September 1, 2021

Sent via eMail and Fed Ex

Barbara Dankmyer
SC DHEC
Bureau of Land and Waste Management
Division of Waste Management
2600 Bull Street
Columbia, SC 29201
(803) 898-0167

Re: RCRA Permit Renewal Application
Safety-Kleen Systems, Inc.
EPA ID#: SCD 077 995 488

Dear Ms. Dankmyer:

Enclosed you will find two (2) hardcopy application binders for the subject RCRA Permit renewal. Additionally, enclosed are two (2) USB flash drives that have redline and final versions of the application uploaded. One (1) flash drive is for SC DHEC and one (1) is for EPA as requested in your 8/5/2021 email to me. The redline version is in Word due to the fact conversion to pdf eliminated all tracking for changes made to the various sections in the application. The final versions of application sections are in pdf, and there is a complete consolidated file uploaded too.

Be advised the facility added some new waste codes to its list of wastes in the RCRA Permit renewal application so those materials can be managed onsite via storage in containers. These additional waste codes are requested to allow for the storage of such wastes in containers should the need arise as has been recently experienced due to the ongoing COVID-19 pandemic and related industry labor shortages as well as recurring severe weather events in areas of the country where final disposal sites are located. Also, perpetual supply chain and transportation issues make the arrangement for shipments of hazardous waste to require longer storage times (e.g., >10-days) between facility to facility transfers. For these new wastes to be stored onsite in containers in permitted storage units no additional container storage capacity is being requested.

For proposed container and tank storage units previously approved by SC DHEC, no changes are requested at this time and none of the previously submitted information has changed.

130-A Frontage Road | Lexington, SC 29073 | 803.356.4061
Safety-Kleen Systems, Inc. | A Clean Harbors Company | **Safety-Kleen.com**

As previously indicated by you, the facility will arrange for a public notice to be published in a local newspaper and mailed to the SC DHEC facility mailing list once that list has been finalized and submitted to the facility. At that time a hardcopy of the application will be made available at a public place in the local vicinity of the facility.

Please contact me with any questions or comments concerning this matter at desha.david@cleanharbors.com or (423) 413-1218.

Sincerely.

David A. DeSha
Director Environmental Compliance
Clean Harbors Environmental Services, Inc.

Enclosures

cc: Eddie Hook (w/o enclosures) Safety-Kleen Systems, Inc.
Facility File

130-A Frontage Road | Lexington, SC 29073 | 803.356.4061
Safety-Kleen Systems, Inc. | A Clean Harbors Company | **Safety-Kleen.com**

RCRA HAZARDOUS WASTE FACILITY OPERATING PERMIT RENEWAL APPLICATION

Safety-Kleen Systems, Inc.
130-A Frontage Road
Lexington, SC 29073

EPA ID#: SCD 077 995 488

September 1, 2021

(Original to SC DHEC)

SECTION A

United States Environmental Protection Agency
RCRA SUBTITLE C SITE IDENTIFICATION FORM

1. Reason for Submittal (Select only one.)

☐	Obtaining or updating an EPA ID number for on-going regulated activities (Items 10-17 below) that will continue for a period of time.
☐	Submitting as a component of the Hazardous Waste Report for _____ (Reporting Year)
	☐ Site was a TSD facility, a reverse distributor, and/or generator of ≥ 1,000 kg of non-acute hazardous waste, > 1 kg of acute hazardous waste, or > 100 kg of acute hazardous waste spill cleanup in **one or more months of the reporting year** (or State equivalent LQG regulations)
☐	Notifying that regulated activity is no longer occurring at this Site
☐	Obtaining or updating an EPA ID number for conducting Electronic Manifest Broker activities
☑	Submitting a new or revised Part A (permit) Form

2. Site EPA ID Number

S	C	D	0	7	7	9	9	5	4	8	8

3. Site Name

Safety-Kleen Systems, Inc.

4. Site Location Address

Street Address	**130-A Frontage Road**				
City, Town, or Village	**Lexington**			County	**Lexington**
State	**South Carolina**	Country	**US**	Zip Code	**29073**
Latitude	**33.972442**	Longitude	**-81.199222**	☐ Use Lat/Long as Primary Address	

5. Site Mailing Address ☑ Same as Location Street Address

Street Address		
City, Town, or Village		
State	Country	Zip Code

6. Site Land Type

☑ Private ☐ County ☐ District ☐ Federal ☐ Tribal ☐ Municipal ☐ State ☐ Other

7. North American Industry Classification System (NAICS) Code(s) for the Site (at least 5-digit codes)

A. (Primary) **562112**	C.
B.	D.

8. Site Contact Information

☐ Same as Location Address

First Name	John	MI	e	Last Name	Hook
Title	Facility General Manager				
Street Address	130-A Frontage Road				
City, Town, or Village	Lexington				
State	South Carolina	Country	US	Zip Code	29073
Email	eddie.hook@safety-kleen.com				
Phone	803-359-2495	Ext		Fax	

9. Legal Owner and Operator of the Site

A. Name of Site's Legal Owner

☐ Same as Location Address

Full Name	Date Became Owner (mm/dd/yyyy)
Safety-Kleen Systems, Inc.	2/1/1974

Owner Type

☑ Private ☐ County ☐ District ☐ Federal ☐ Tribal ☐ Municipal ☐ State ☐ Other

Street Address	42 Longwater Drive		
City, Town, or Village	Norwell		
State	Massachusetts	Country	US	Zip Code	02061-9149
Email	eddie.hook@safety-kleen.com		
Phone	800-323-5040	Ext		Fax	

Comments

B. Name of Site's Legal Operator

☐ Same as Location Address

Full Name	Date Became Operator (mm/dd/yyyy)
Safety-Kleen Systems, Inc.	2/1/1974

Operator Type

☑ Private ☐ County ☐ District ☐ Federal ☐ Tribal ☐ Municipal ☐ State ☐ Other

Street Address	42 Longwater Drive		
City, Town, or Village	Norwell		
State	Massachusetts	Country	US	Zip Code	02061-9149
Email	eddie.hook@safety-kleen.com		
Phone	800-323-5040	Ext		Fax	

Comments

10. Type of Regulated Waste Activity (at your site)

Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.

A. Hazardous Waste Activities

☑ Y ☐ N	1. Generator of Hazardous Waste—If "Yes", mark only one of the following—a, b, c	
☑	a. LQG	-Generates, in any calendar month, 1,000 kg/mo (2,200 lb/mo) or more of non-acute hazardous waste (includes quantities imported by importer site); or - Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lb/mo) of acute hazardous waste; or - Generates, in any calendar month or accumulates at any time, more than 100 kg/mo (220 lb/mo) of acute hazardous spill cleanup material.
☐	b. SQG	100 to 1,000 kg/mo (220-2,200 lb/mo) of non-acute hazardous waste and no more than 1 kg (2.2 lb) of acute hazardous waste and no more than 100 kg (220 lb) of any acute hazardous spill cleanup material.
☐	c. VSQG	Less than or equal to 100 kg/mo (220 lb/mo) of non-acute hazardous waste.
☐ Y ☑ N	2. Short-Term Generator (generates from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section. *Note: If "Yes", you MUST indicate that you are a Generator of Hazardous Waste in Item 10.A.1 above.*	
☑ Y ☐ N	3. Treater, Storer or Disposer of Hazardous Waste—Note: Part B of a hazardous waste permit is required for these activities.	
☑ Y ☐ N	4. Receives Hazardous Waste from Off-site	
☑ Y ☐ N	5 Recycler of Hazardous Waste	
☑	a. Recycler who stores prior to recycling	
☐	b. Recycler who does not store prior to recycling	
☐ Y ☑ N	6. Exempt Boiler and/or Industrial Furnace—If "Yes", mark all that apply.	
☐	a. Small Quantity On-site Burner Exemption	
☐	b. Smelting, Melting, and Refining Furnace Exemption	

B. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g. D001, D003, F007, U112). Use an additional page if more spaces are needed. **See Appendix A-1**

C. Waste Codes for State Regulated (non-Federal) Hazardous Wastes. Please list the waste codes of the State hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed.

11. Additional Regulated Waste Activities (NOTE: Refer to your State regulations to determine if a separate permit is required.)

A. Other Waste Activities

☑ Y ☐ N	1. Transporter of Hazardous Waste—If "Yes", mark all that apply.
☑	a. Transporter
☑	b. Transfer Facility (at your site)
☐ Y ☑ N	2. Underground Injection Control
☐ Y ☑ N	3. United States Importer of Hazardous Waste
☐ Y ☑ N	4. Recognized Trader—If "Yes", mark all that apply.
☐	a. Importer
☐	b. Exporter
☐ Y ☑ N	5. Importer/Exporter of Spent Lead-Acid Batteries (SLABs) under 40 CFR 266 Subpart G—If "Yes", mark all that apply.
☐	a. Importer
☐	b. Exporter

B. Universal Waste Activities

☑ Y ☐ N	1. Large Quantity Handler of Universal Waste (you accumulate 5,000 kg or more) - If "Yes" mark all that apply. Note: Refer to your State regulations to determine what is regulated.
☑	a. Batteries
☑	b. Pesticides
☑	c. Mercury containing equipment
☑	d. Lamps
☑	e. Aerosol Cans
☐	f. Other (specify) _____
☐	g. Other (specify) _____
☐ Y ☑ N	2. Destination Facility for Universal Waste Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities

☑ Y ☐ N	1. Used Oil Transporter—If "Yes", mark all that apply.
☑	a. Transporter
☑	b. Transfer Facility (at your site)
☐ Y ☑ N	2. Used Oil Processor and/or Re-refiner—If "Yes", mark all that apply.
☐	a. Processor
☐	b. Re-refiner
☐ Y ☑ N	3. Off-Specification Used Oil Burner
☑ Y ☐ N	4. Used Oil Fuel Marketer—If "Yes", mark all that apply.
☑	a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
☑	b. Marketer Who First Claims the Used Oil Meets the Specifications

D. Pharmaceutical Activities

☑ Y ☐ N	1. Operating under 40 CFR Part 266, Subpart P for the management of hazardous waste pharmaceuticals—if "Yes", mark only one. Note: See the item-by-item instructions for definitions of healthcare facility and reverse distributor.
☐	a. Healthcare Facility
☑	b. Reverse Distributor
☐ Y ☑ N	2. Withdrawing from operating under 40 CFR Part 266, Subpart P for the management of hazardous waste pharmaceuticals. Note: You may only withdraw if you are a healthcare facility that is a VSQG for all of your hazardous waste, including hazardous waste pharmaceuticals.

12. Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262, Subpart K.

☐ Y ☑ N	A. Opting into or currently operating under 40 CFR Part 262, Subpart K for the management of hazardous wastes in laboratories— If "Yes", mark all that apply. Note: See the item-by-item instructions for definitions of types of eligible academic entities.
☐	1. College or University
☐	2. Teaching Hospital that is owned by or has a formal written affiliation with a college or university
☐	3. Non-profit Institute that is owned by or has a formal written affiliation with a college or university
☐ Y ☑ N	B. Withdrawing from 40 CFR Part 262, Subpart K for the management of hazardous wastes in laboratories.

13. Episodic Generation

☐ Y ☑ N	Are you an SQG or VSQG generating hazardous waste from a planned or unplanned episodic event, lasting no more than 60 days, that moves you to a higher generator category. If "Yes", you must fill out the Addendum for Episodic Generator.

14. LQG Consolidation of VSQG Hazardous Waste

☐ Y ☑ N	Are you an LQG notifying of consolidating VSQG Hazardous Waste Under the Control of the Same Person pursuant to 40 CFR 262.17(f)? If "Yes", you must fill out the Addendum for LQG Consolidation of VSQG hazardous waste.

15. Notification of LQG Site Closure for a Central Accumulation Area (CAA) (optional) OR Entire Facility (required)

☐ Y ☑ N	LQG Site Closure of a Central Accumulation Area (CAA) or Entire Facility.
	A. ☐ Central Accumulation Area (CAA) or ☐ Entire Facility
	B. Expected closure date: _____ mm/dd/yyyy
	C. Requesting new closure date: _____ mm/dd/yyyy
	D. Date closed : _____ mm/dd/yyyy ☐ 1. In compliance with the closure performance standards 40 CFR 262.17(a)(8) ☐ 2. Not in compliance with the closure performance standards 40 CFR 262.17(a)(8)

16. Notification of Hazardous Secondary Material (HSM) Activity

☑ Y ☐ N	Are you notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 260.30, 40 CFR 261.4(a)(23), (24), (25), or (27)? If "Yes", you must fill out the Addendum to the Site Identification Form for Managing Hazardous Secondary Material.

17. Electronic Manifest Broker

☐ Y ☑ N	Are you notifying as a person, as defined in 40 CFR 260.10, electing to use the EPA electronic manifest system to obtain, complete, and transmit an electronic manifest under a contractual relationship with a hazardous waste generator?

18. Comments (include item number for each comment)

19. Certification I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. **Note: For the RCRA Hazardous Waste Part A permit Application, all owners and operators must sign (see 40 CFR 270.10(b) and 270.11).**

Signature of legal owner, operator or authorized representative	Date (mm/dd/yyyy) 8/30/2021
Printed Name (First, Middle Initial Last) **David A DeSha**	Title **Director Environmental Compliance**
Email **desha.david@cleanharbors.com**	

Signature of legal owner, operator or authorized representative	Date (mm/dd/yyyy)
Printed Name (First, Middle Initial Last)	Title
Email	

ADDENDUM TO THE SITE IDENTIFICATION FORM: NOTIFICATION OF HAZARDOUS SECONDARY MATERIAL ACTIVITY

ONLY fill out this form if:

- You are located in a State that allows you to manage excluded hazardous secondary material (HSM) under 40 CFR 260.30, 261.4(a)(23), (24), (25), or (27) (or state equivalent; See https://www.epa.gov/epawaste/hazard/dsw/statespf.htm for a list of eligible states; AND
- You are or will be managing excluded HSM in compliance with 40 CFR 260.30, 261.4(a)(23), (24), (25), or (27) (or state equivalent) or have stopped managing excluded HSM in compliance with the exclusion(s) and do not expect to manage any amount of excluded HSM under the exclusion(s) for at least one year. Do not include any information regarding your hazardous waste activities in this section. Note: If your facility was granted a solid waste variance under 40 CFR 260.30 prior to July 13, 2015, your management of HSM under 40 CFR 260.30 is grandfathered under the previous regulations and you are not required to notify for the HSM management activity excluded under 40 CFR 260.30.

1. Reason for Notification (Include dates where requested)

☑ Facility will begin managing excluded HSM as of **7/1/2021** (mm/dd/yyyy).

☐ Facility is still managing excluded HSM/re-notifying as required by March 1 of each even-numbered year.

☐ Facility has stopped managing excluded HSM as of _____ (mm/dd/yyyy) and is notifying as required.

2. Description of Excluded HSM Activity. Please list the appropriate codes (see Code List section of the instructions) and quantities, in short tons, to describe your excluded HSM activity ONLY (do not include any information regarding your hazardous wastes). Use additional pages if more space is needed.

A. Facility Code	B. Waste Code(s) for HSM	C. Estimate Short Tons of excluded HSM to be managed annually	D. Actual Short Tons of excluded HSM that was managed during the most recent odd-numbered year	E. Land-based Unit Code
07	D001, D018, D039, D040	10,000	0	NA
07	See Appendix A-1	5,000	0	NA

EPA ID Number | S | C | D | 0 | 7 | 7 | 9 | 9 | 5 | 4 | 8 | 8 |

OMB# 2050-0024; Expires 04/30/2024

United States Environmental Protection Agency

HAZARDOUS WASTE PERMIT PART A FORM

1. Facility Permit Contact

First Name	**John**	MI	**E**	Last Name	**Hook**
Title	**Facility General Manager**				
Email	**eddie.hook@safety-kleen.com**				
Phone	**(803) 359-2495**	Ext		Fax	

2. Facility Permit Contact Mailing Address

Street Address	**130-A Frontage Road**		
City, Town, or Village	**Lexington**		
State **South Carolina**	Country **US**	Zip Code **29073**	

3. Facility Existence Date (mm/dd/yyyy)

2/1/1974

4. Other Environmental Permits

A. Permit Type	B. Permit Number	C. Description
R	**SCD077995488**	**SC DHEC Hazardous Waste Permit**
R	**SCD077995488**	**USEPA Hazardous Waste Permit**
E	**156-0039**	**SC DHEC Bureau of Air Quality Control**

5. Nature of Business

Solvent recycling and reclamation services. Solvents are recycled for reuse in industry using distillation and evaporation equipment. Solvents that cannot be recycled for reuse are blended into supplemental fuel for off-site energy recovery in industrial boilers and furnaces, or are shipped to other TSD facilities for management. Spent solvents are stored in containers and tanks prior to recycling.

6. Process Codes and Design Capacities **See Appendix A-2**

Line Number		A. Process Code			B. Process Design Capacity (1) Amount	B. Process Design Capacity (2) Unit of Measure	C. Process Total Number of Units	D. Unit Name
	1	S	0	1	99,600	G	1	Module 1 A
	2	S	0	1	99,600	G	1	Module 1 B
	3	S	0	1	99,600	G	1	Module 1 C
	4	S	0	1	99,600	G	1	Module 1 D (proposed)
	5	S	0	1	79,486	G	1	Module 3

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1)) **See Appendix A-2**

Line No.		A. EPA Hazardous Waste No.				B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes (1) Process Codes									D. Processes (2) Process Description (if code is not entered in 7.D1))
	1	D	0	0	1	10,000,000	G	S	0	1	S	0	2				
	2	D	0	0	2	10,000,000	G	S	0	1	S	0	2				
	3	D	0	0	3	5,000,000	G	S	0	1	S	0	2				
	4	D	0	0	4	5,000,000	G	S	0	1	S	0	2				
	5	D	0	0	5	5,000,000	G	S	0	1	S	0	2				
	6	D	0	0	6	5,000,000	G	S	0	1	S	0	2				
	7	D	0	0	7	5,000,000	G	S	0	1	S	0	2				
	8	D	0	0	8	5,000,000	G	S	0	1	S	0	2				
	9	D	0	0	9	5,000,000	G	S	0	1	S	0	2				
1	0	D	0	1	0	5,000,000	G	S	0	1	S	0	2				
1	1	D	0	1	1	5,000,000	G	S	0	1	S	0	2				

8. Map

Attach to this application a topographical map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all spring, rivers, and other surface water bodies in this map area. See instructions for precise requirements. **See Attachment A-1**

9. Facility Drawing

All existing facilities must include a scale drawing of the facility. See instructions for more detail. **See Attachment A-2**

10. Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment, and disposal areas; and sites of future storage, treatment, or disposal areas. See instructions for more detail. **See Attachment A-3**

11. Comments

Appendix A-1

8700-12 Section 10. B							
D001	D028	F019	K014	U009	U083	U191	P013
D002	D029	F022	K015	U019	U084	U196	P014
D003	D030	F024	K016	U031	U107	U210	P015
D004	D032	F026	K019	U037	U108	U211	P016
D005	D033	F027	K022	U043	U110	U226	P017
D006	D034	F028	K029	U044	U112	U227	P018
D007	D035	F037	K030	U051	U113	U228	P020
D008	D036	F038	K031	U052	U117	U239	P021
D009	D037	F039	K048	U055	U118	U359	P022
D010	D038	K002	K049	U056	U121	P001	P023
D011	D039	K003	K050	U057	U125	P002	P024
D016	D040	K004	K051	U068	U140	P003	P026
D018	D041	K005	K052	U069	U154	P004	P027
D019	D042	K006	K085	U070	U159	P005	P028
D021	D043	K007	K086	U071	U161	P006	P029
D022	F001	K008	K095	U072	U162	P007	P030
D023	F002	K009	K096	U075	U165	P008	
D024	F003	K010	U001	U077	U169	P009	
D025	F004	K011	U002	U078	U171	P010	
D026	F005	K012	U003	U079	U178	P011	
D027	F006	K013	U004	U080	U188	P012	

8700-12 Hazardous Secondary Material Addendum Section 2. B						
D001	D025	D042	K014	U001	U071	U159
D004	D026	D043	K015	U002	U072	U161
D005	D027	F001	K016	U003	U075	U162
D006	D028	F002	K019	U004	U077	U165
D007	D029	F003	K022	U009	U078	U169
D008	D030	F004	K029	U019	U079	U171
D009	D032	F005	K030	U031	U084	U178
D010	D033	K002	K048	U037	U107	U211
D011	D034	K003	K049	U044	U108	U226
D016	D035	K004	K050	U051	U110	U359
D018	D036	K005	K051	U052	U112	
D019	D037	K008	K052	U055	U113	
D021	D038	K009	K085	U057	U117	
D022	D039	K010	K086	U068	U125	
D023	D040	K011	K095	U069	U140	
D024	D041	K013	K096	U070	U154	

Appendix A-2

8700-23 Section 6 Continuation								
6. Process Codes and Design Capacities								
Line Number		A. Process Code			B. Process Design Capacity		C. Process Total Numbers of Units	D. Unit Name
					(1) Amount	(2) Unit of Measure		
	6	S	0	2	18,500	G	1	Tank 05
	7	S	0	2	18,500	G	1	Tank 06
	8	S	0	2	20,000	G	1	Tank 10
	9	S	0	2	20,000	G	1	Tank 11
1	0	S	0	2	10,000	G	1	Tank 12
1	1	S	0	2	10,000	G	1	Tank 13
1	2	S	0	2	10,000	G	1	Tank 14
1	3	S	0	2	15,000	G	1	Tank 16
1	4	S	0	2	15,000	G	1	Tank 17
1	5	S	0	2	15,000	G	1	Tank 18
1	6	S	0	2	15,000	G	1	Tank 19
1	7	S	0	2	15,000	G	1	Tank 21
1	8	S	0	2	15,000	G	1	Tank 22
1	9	S	0	2	15,000	G	1	Tank 23
2	0	S	0	2	15,000	G	1	Tank 24
2	1	S	0	2	15,000	G	1	Tank 25
2	2	S	0	2	20,000	G	1	Tank 73
2	3	S	0	2	20,000	G	1	Tank 75
2	4	S	0	2	20,000	G	1	Tank 76
2	5	S	0	2	10,000	G	1	Tank 77
2	6	S	0	2	20,000	G	1	Tank 78
2	7	S	0	2	20,000	G	1	Tank 80
2	8	S	0	2	20,000	G	1	Tank 81
2	9	S	0	2	20,000	G	1	Tank 82
3	0	S	0	2	20,000	G	1	Tank 83
3	1	S	0	2	20,000	G	1	Tank 85
3	2	S	0	2	20,000	G	1	Tank 86
3	3	S	0	2	20,000	G	1	Tank 87
3	4	S	0	2	20,000	G	1	Tank 88
3	5	S	0	2	20,000	G	1	Tank 90
3	6	S	0	2	20,000	G	1	Tank 212
3	7	S	0	2	20,000	G	1	Tank 213
3	8	S	0	2	20,000	G	1	Tank 214
3	9	S	0	2	20,000	G	1	Tank 215
4	0	S	0	2	20,000	G	1	Tank 216
4	1	S	0	2	10,000	G	1	Tank 41
4	2	S	0	2	10,000	G	1	Tank 42
4	3	S	0	2	10,000	G	1	Tank 43
4	4	S	0	2	10,000	G	1	Tank 44
4	5	S	0	2	10,000	G	1	Tank 45
4	6	S	0	2	20,000	G	1	Tank 46
4	7	S	0	2	20,000	G	1	Tank 47

4	8	S	0	2	20,000	G	1	Tank 48
4	9	S	0	2	20,000	G	1	Tank 49
5	0	S	0	2	20,000	G	1	Tank 50
5	1	S	0	2	20,000	G	1	Tank 51
5	2	S	0	2	20,000	G	1	Tank 52
5	3	S	0	2	20,000	G	1	Tank 53
5	4	S	0	2	20,000	G	1	Tank 54
5	5	S	0	2	15,000	G	1	Tank 55
5	6	S	0	2	19,900	G	1	Tank 56
5	7	S	0	2	19,900	G	1	Tank 57
5	8	S	0	2	19,900	G	1	Tank 58
5	9	S	0	2	20,000	G	1	Tank 59
6	0	S	0	2	20,000	G	1	Tank 60
6	1	S	0	2	18,500	G	1	Tank 1
6	2	S	0	2	18,500	G	1	Tank 2
6	3	S	0	2	18,500	G	1	Tank 3
6	4	S	0	2	18,500	G	1	Tank 4
6	5	S	0	2	18,500	G	1	Tank 7
6	6	S	0	2	18,500	G	1	Tank 8
6	7	S	0	2	18,500	G	1	Tank 9
6	8	S	0	2	18,500	G	1	Tank 15
6	9	S	0	2	18,500	G	1	Tank 20
7	0	S	0	2	18,500	G	1	Tank 91
7	1	S	0	2	18,500	G	1	Tank 92
7	2	S	0	2	18,500	G	1	Tank 93
7	3	S	0	2	18,500	G	1	Tank 95
7	4	S	0	2	18,500	G	1	Tank 96
7	5	S	0	2	18,500	G	1	Tank 97
7	6	S	0	2	18,500	G	1	Tank 98
7	7	S	0	2	18,500	G	1	Tank 100
7	8	S	0	2	18,500	G	1	Tank 101
7	9	S	0	2	18,500	G	1	Tank 102
8	0	S	0	2	18,500	G	1	Tank 103
8	1	S	0	2	18,500	G	1	Tank 104
8	2	S	0	2	39,500	G	1	Tank 105
8	3	S	0	2	39,500	G	1	Tank 106
8	4	S	0	2	39,500	G	1	Tank 107
8	5	S	0	2	39,500	G	1	Tank 108
8	6	S	0	2	39,500	G	1	Tank 109
8	7	S	0	2	39,500	G	1	Tank 110
8	8	S	0	2	39,500	G	1	Tank 111
8	9	S	0	2	39,500	G	1	Tank 112
9	0	S	0	2	39,500	G	1	Tank 113
9	1	S	0	2	39,500	G	1	Tank 114
9	2	S	0	2	39,500	G	1	Tank 115
9	3	S	0	2	39,500	G	1	Tank 116
9	4	S	0	2	39,500	G	1	Tank 117
9	5	S	0	2	39,500	G	1	Tank 118

9	6	S	0	2	39,500	G	1	Tank 119
9	7	S	0	2	39,500	G	1	Tank 120
9	8	S	0	2	18,500	G	1	Tank 121
9	9	S	0	2	18,500	G	1	Tank 122
0	0	S	0	2	18,500	G	1	Tank 123
0	1	S	0	2	18,500	G	1	Tank 124
0	2	S	0	2	18,500	G	1	Tank 125
0	3	S	0	2	18,500	G	1	Tank 126
0	4	S	0	2	18,500	G	1	Tank 127
0	5	S	0	2	18,500	G	1	Tank 128
0	6	S	0	2	18,500	G	1	Tank 129
0	7	S	0	2	18,500	G	1	Tank 130
0	8	S	0	2	18,500	G	1	Tank 131
0	9	S	0	2	18,500	G	1	Tank 132
1	0	S	0	2	18,500	G	1	Tank 133
1	1	S	0	2	18,500	G	1	Tank 134
1	2	S	0	2	18,500	G	1	Tank 135
1	3	S	0	2	18,500	G	1	Tank 136
1	4	S	0	2	18,500	G	1	Tank 137
1	5	S	0	2	18,500	G	1	Tank 138
1	6	S	0	2	18,500	G	1	Tank 139
1	7	S	0	2	18,500	G	1	Tank 140
1	8	S	0	2	18,500	G	1	Tank 141
1	9	S	0	2	18,500	G	1	Tank 142
2	0	S	0	2	18,500	G	1	Tank 143
2	1	S	0	2	18,500	G	1	Tank 144
2	2	S	0	2	18,500	G	1	Tank 145
2	3	S	0	2	18,500	G	1	Tank 146
2	4	S	0	2	18,500	G	1	Tank 147
2	5	S	0	2	18,500	G	1	Tank 148
2	6	S	0	2	18,500	G	1	Tank 149
2	7	S	0	2	18,500	G	1	Tank 150
2	8	S	0	2	18,500	G	1	Tank 151
2	9	S	0	2	18,500	G	1	Tank 152
3	0	S	0	2	18,500	G	1	Tank 153
3	1	S	0	2	18,500	G	1	Tank 154
3	2	S	0	2	18,500	G	1	Tank 155
3	3	S	0	2	18,500	G	1	Tank 156
3	4	S	0	2	20,000	G	1	Tank 206
3	5	S	0	2	20,000	G	1	Tank 207
3	6	S	0	2	20,000	G	1	Tank 208
3	7	S	0	2	20,000	G	1	Tank 209
3	8	S	0	2	20,000	G	1	Tank 210
3	9	S	0	2	20,000	G	1	Tank 211
4	0	S	0	2	20,000	G	1	Tank 217

8700-23 Section 7 Continuation																	
7. Description of Hazardous Wastes																	
Line No.		A. EPA Hazardous Waste No.				B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes									
								(1) Process Codes									(2) Process Description (if code is not entered in 7.D1)
1	2	D	0	1	6	5,000,000	G	S	0	1	S	0	2				
1	3	D	0	1	8	5,000,000	G	S	0	1	S	0	2				
1	4	D	0	1	9	5,000,000	G	S	0	1	S	0	2				
1	5	D	0	2	1	5,000,000	G	S	0	1	S	0	2				
1	6	D	0	2	2	5,000,000	G	S	0	1	S	0	2				
1	7	D	0	2	3	5,000,000	G	S	0	1	S	0	2				
1	8	D	0	2	4	5,000,000	G	S	0	1	S	0	2				
1	9	D	0	2	5	5,000,000	G	S	0	1	S	0	2				
2	0	D	0	2	6	5,000,000	G	S	0	1	S	0	2				
2	1	D	0	2	7	5,000,000	G	S	0	1	S	0	2				
2	2	D	0	2	8	5,000,000	G	S	0	1	S	0	2				
2	3	D	0	2	9	5,000,000	G	S	0	1	S	0	2				
2	4	D	0	3	0	5,000,000	G	S	0	1	S	0	2				
2	5	D	0	3	2	5,000,000	G	S	0	1	S	0	2				
2	6	D	0	3	3	5,000,000	G	S	0	1	S	0	2				
2	7	D	0	3	4	5,000,000	G	S	0	1	S	0	2				
2	8	D	0	3	5	5,000,000	G	S	0	1	S	0	2				
2	9	D	0	3	6	5,000,000	G	S	0	1	S	0	2				
3	0	D	0	3	7	5,000,000	G	S	0	1	S	0	2				
3	1	D	0	3	8	5,000,000	G	S	0	1	S	0	2				
3	2	D	0	3	9	5,000,000	G	S	0	1	S	0	2				
3	3	D	0	4	0	5,000,000	G	S	0	1	S	0	2				
3	4	D	0	4	1	5,000,000	G	S	0	1	S	0	2				
3	5	D	0	4	2	5,000,000	G	S	0	1	S	0	2				
3	6	D	0	4	3	5,000,000	G	S	0	1	S	0	2				
3	7	F	0	0	1	5,000,000	G	S	0	1	S	0	2				
3	8	F	0	0	2	5,000,000	G	S	0	1	S	0	2				
3	9	F	0	0	3	5,000,000	G	S	0	1	S	0	2				
4	0	F	0	0	4	5,000,000	G	S	0	1	S	0	2				
4	1	F	0	0	5	5,000,000	G	S	0	1	S	0	2				
4	2	F	0	0	6	5,000,000	G	S	0	1	S	0	2				
4	3	F	0	1	9	5,000,000	G	S	0	1	S	0	2				
4	4	F	0	2	2	5,000,000	G	S	0	1	S	0	2				
4	5	F	0	2	4	5,000,000	G	S	0	1	S	0	2				
4	6	F	0	2	6	5,000,000	G	S	0	1	S	0	2				
4	7	F	0	2	7	5,000,000	G	S	0	1	S	0	2				
4	8	F	0	2	8	5,000,000	G	S	0	1	S	0	2				
4	9	F	0	3	7	5,000,000	G	S	0	1	S	0	2				
5	0	F	0	3	8	5,000,000	G	S	0	1	S	0	2				
5	1	F	0	3	9	5,000,000	G	S	0	1	S	0	2				

5	2	K	0	0	2	5,000,000	G	S	0	1	S	0	2				
5	3	K	0	0	3	5,000,000	G	S	0	1	S	0	2				
5	4	K	0	0	4	5,000,000	G	S	0	1	S	0	2				
5	5	K	0	0	5	5,000,000	G	S	0	1	S	0	2				
5	6	K	0	0	6	5,000,000	G	S	0	1	S	0	2				
5	7	K	0	0	7	5,000,000	G	S	0	1	S	0	2				
5	8	K	0	0	8	5,000,000	G	S	0	1	S	0	2				
5	9	K	0	0	9	5,000,000	G	S	0	1	S	0	2				
6	0	K	0	1	0	5,000,000	G	S	0	1	S	0	2				
6	1	K	0	1	1	5,000,000	G	S	0	1	S	0	2				
6	2	K	0	1	2	5,000,000	G	S	0	1	S	0	2				
6	3	K	0	1	3	5,000,000	G	S	0	1	S	0	2				
6	4	K	0	1	4	5,000,000	G	S	0	1	S	0	2				
6	5	K	0	1	5	5,000,000	G	S	0	1	S	0	2				
6	6	K	0	1	6	5,000,000	G	S	0	1	S	0	2				
6	7	K	0	1	9	5,000,000	G	S	0	1	S	0	2				
6	8	K	0	2	2	5,000,000	G	S	0	1	S	0	2				
6	9	K	0	2	9	5,000,000	G	S	0	1	S	0	2				
7	0	K	0	3	0	5,000,000	G	S	0	1	S	0	2				
7	1	K	0	3	1	5,000,000	G	S	0	1	S	0	2				
7	2	K	0	4	8	5,000,000	G	S	0	1	S	0	2				
7	3	K	0	4	9	5,000,000	G	S	0	1	S	0	2				
7	4	K	0	5	0	5,000,000	G	S	0	1	S	0	2				
7	5	K	0	5	1	5,000,000	G	S	0	1	S	0	2				
7	6	K	0	5	2	5,000,000	G	S	0	1	S	0	2				
7	7	K	0	8	5	5,000,000	G	S	0	1	S	0	2				
7	8	K	0	8	6	5,000,000	G	S	0	1	S	0	2				
7	9	K	0	9	5	5,000,000	G	S	0	1	S	0	2				
8	0	K	0	9	6	5,000,000	G	S	0	1	S	0	2				
8	1	U	0	0	1	5,000,000	G	S	0	1	S	0	2				
8	2	U	0	0	2	5,000,000	G	S	0	1	S	0	2				
8	3	U	0	0	3	5,000,000	G	S	0	1	S	0	2				
8	4	U	0	0	4	5,000,000	G	S	0	1	S	0	2				
8	5	U	0	0	9	5,000,000	G	S	0	1	S	0	2				
8	6	U	0	1	9	5,000,000	G	S	0	1	S	0	2				
8	7	U	0	3	1	5,000,000	G	S	0	1	S	0	2				
8	8	U	0	3	7	5,000,000	G	S	0	1	S	0	2				
8	9	U	0	4	3	5,000,000	G	S	0	1	S	0	2				
9	0	U	0	4	4	5,000,000	G	S	0	1	S	0	2				
9	1	U	0	5	1	5,000,000	G	S	0	1	S	0	2				
9	2	U	0	5	2	5,000,000	G	S	0	1	S	0	2				
9	3	U	0	5	5	5,000,000	G	S	0	1	S	0	2				
9	4	U	0	5	6	5,000,000	G	S	0	1	S	0	2				
9	5	U	0	5	7	5,000,000	G	S	0	1	S	0	2				
9	6	U	0	6	8	5,000,000	G	S	0	1	S	0	2				
9	7	U	0	6	9	5,000,000	G	S	0	1	S	0	2				
9	8	U	0	7	0	5,000,000	G	S	0	1	S	0	2				
9	9	U	0	7	1	5,000,000	G	S	0	1	S	0	2				

0	0	U	0	7	2	5,000,000	G	S	0	1	S	0	2				
0	1	U	0	7	5	5,000,000	G	S	0	1	S	0	2				
0	2	U	0	7	7	5,000,000	G	S	0	1	S	0	2				
0	3	U	0	7	8	5,000,000	G	S	0	1	S	0	2				
0	4	U	0	7	9	5,000,000	G	S	0	1	S	0	2				
0	5	U	0	8	0	5,000,000	G	S	0	1	S	0	2				
0	6	U	0	8	3	5,000,000	G	S	0	1	S	0	2				
0	7	U	0	8	4	5,000,000	G	S	0	1	S	0	2				
0	8	U	1	0	7	5,000,000	G	S	0	1	S	0	2				
0	9	U	1	0	8	5,000,000	G	S	0	1	S	0	2				
1	0	U	1	1	0	5,000,000	G	S	0	1	S	0	2				
1	1	U	1	1	2	5,000,000	G	S	0	1	S	0	2				
1	2	U	1	1	3	5,000,000	G	S	0	1	S	0	2				
1	3	U	1	1	7	5,000,000	G	S	0	1	S	0	2				
1	4	U	1	1	8	5,000,000	G	S	0	1	S	0	2				
1	5	U	1	2	1	5,000,000	G	S	0	1	S	0	2				
1	6	U	1	2	5	5,000,000	G	S	0	1	S	0	2				
1	7	U	1	4	0	5,000,000	G	S	0	1	S	0	2				
1	8	U	1	5	4	5,000,000	G	S	0	1	S	0	2				
1	9	U	1	5	9	5,000,000	G	S	0	1	S	0	2				
2	0	U	1	6	1	5,000,000	G	S	0	1	S	0	2				
2	1	U	1	6	2	5,000,000	G	S	0	1	S	0	2				
2	2	U	1	6	5	5,000,000	G	S	0	1	S	0	2				
2	3	U	1	6	9	5,000,000	G	S	0	1	S	0	2				
2	4	U	1	7	1	5,000,000	G	S	0	1	S	0	2				
2	5	U	1	7	8	5,000,000	G	S	0	1	S	0	2				
2	6	U	1	8	8	5,000,000	G	S	0	1	S	0	2				
2	7	U	1	9	1	5,000,000	G	S	0	1	S	0	2				
2	8	U	1	9	6	5,000,000	G	S	0	1	S	0	2				
2	9	U	2	1	0	5,000,000	G	S	0	1	S	0	2				
3	0	U	2	1	1	5,000,000	G	S	0	1	S	0	2				
3	1	U	2	2	0	5,000,000	G	S	0	1	S	0	2				
3	2	U	2	2	6	5,000,000	G	S	0	1	S	0	2				
3	3	U	2	2	7	5,000,000	G	S	0	1	S	0	2				
3	4	U	2	2	8	5,000,000	G	S	0	1	S	0	2				
3	5	U	2	3	9	5,000,000	G	S	0	1	S	0	2				
3	6	U	3	5	9	5,000,000	G	S	0	1	S	0	2				
3	7	P	0	0	1	2,500,000	G	S	0	1							
3	8	P	0	0	2	2,500,000	G	S	0	1							
3	9	P	0	0	3	2,500,000	G	S	0	1							
4	0	P	0	0	4	2,500,000	G	S	0	1							
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4	2	P	0	0	6	2,500,000	G	S	0	1							
4	3	P	0	0	7	2,500,000	G	S	0	1							
4	4	P	0	0	8	2,500,000	G	S	0	1							
4	5	P	0	0	9	2,500,000	G	S	0	1							
4	6	P	0	1	0	2,500,000	G	S	0	1							
4	7	P	0	1	1	2,500,000	G	S	0	1							

4	8	P	0	1	2	2,500,000	G	S	0	1							
4	9	P	0	1	3	2,500,000	G	S	0	1							
5	0	P	0	1	4	2,500,000	G	S	0	1							
5	1	P	0	1	5	2,500,000	G	S	0	1							
5	2	P	0	1	6	2,500,000	G	S	0	1							
5	3	P	0	1	7	2,500,000	G	S	0	1							
5	4	P	0	1	8	2,500,000	G	S	0	1							
5	5	P	0	2	0	2,500,000	G	S	0	1							
5	6	P	0	2	1	2,500,000	G	S	0	1							
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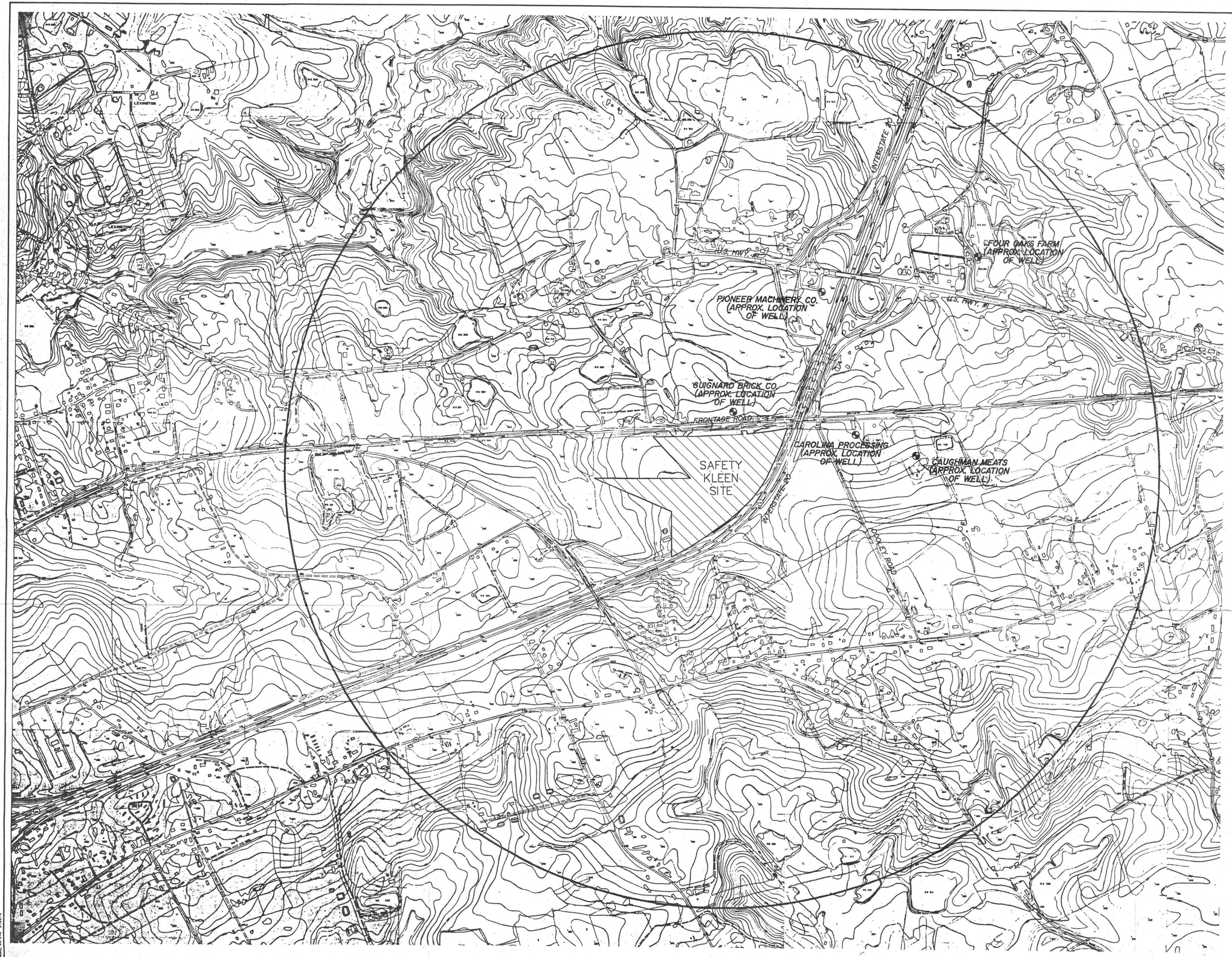
5	9	P	0	2	4	2,500,000	G	S	0	1							
6	0	P	0	2	6	2,500,000	G	S	0	1							
6	1	P	0	2	7	2,500,000	G	S	0	1							
6	2	P	0	2	8	2,500,000	G	S	0	1							
6	3	P	0	2	9	2,500,000	G	S	0	1							
6	4	P	0	3	0	2,500,000	G	S	0	1							

ATTACHMENT A-1



TOPOGRAPHIC MAP SUPPLIED BY:
POWER ENGINEERING CO., INC.
COLUMBIA, S. C.

SCALE: 1" = 600' 600 300 0 600 1200 1800

EXHIBIT NO. 3

NO.	DESCRIPTION	BY	CHKD	APPR	DATE
1	ISSUED FOR PART "B" PERMIT NOD 1997	MCO	KJM		013197
0	ISSUED FOR PART B PERMIT	M.O'C	KJM		1/28/92

REVISIONS

TITLE

1 MILE RADIUS TOPOGRAPHY MAP

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

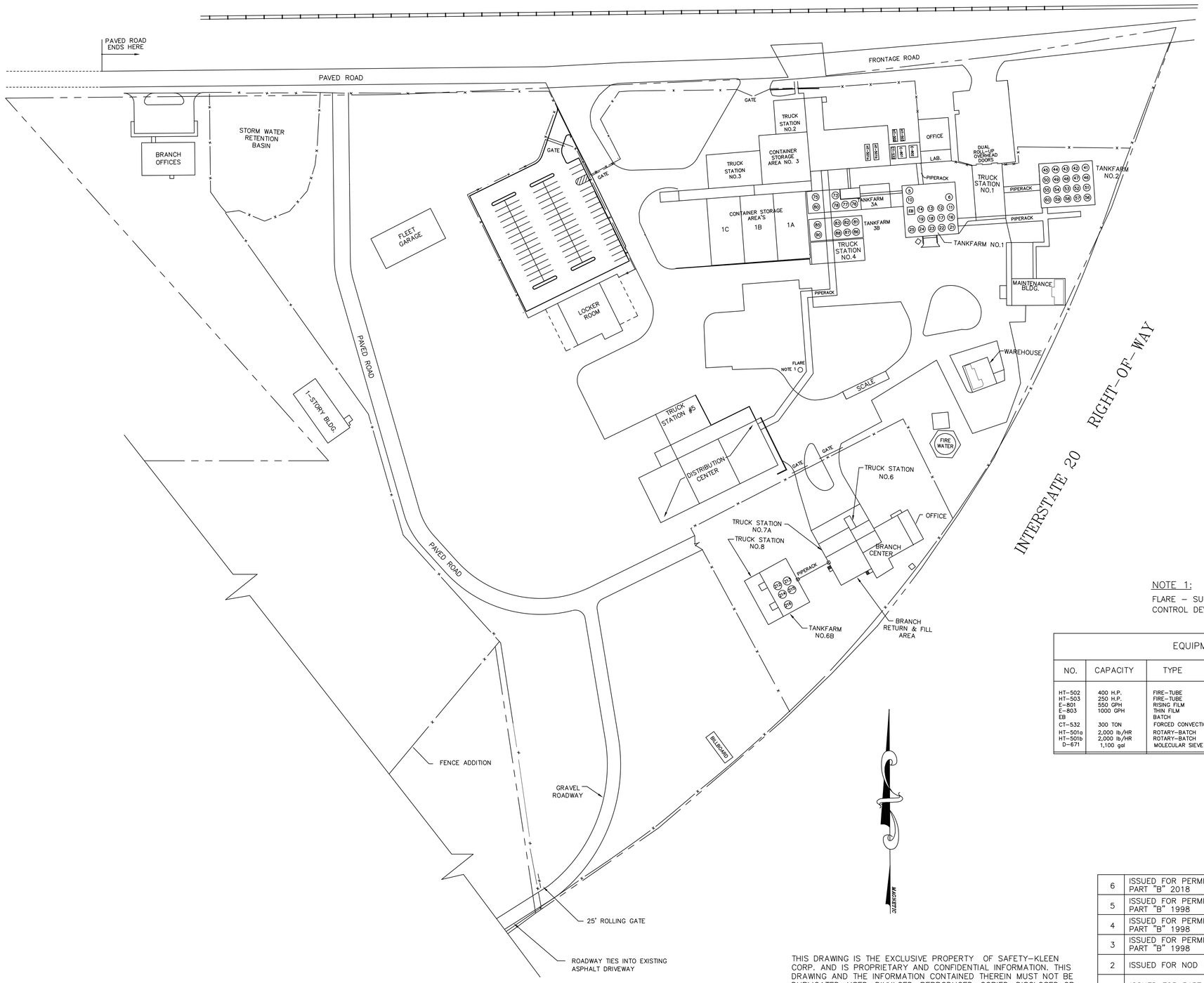
PROJ. ENG. APPR.	OPERATIONS APPR.	SCALE	DRAWN	DATE
		1" = 600'		

BRANCH: LEXINGTON, S. C. RECYCLE CENTER
DRAWING NO.: 92-6300B-005
REV.: 1

DRUMMING 44-542 516215

ATTACHMENT A-2

NORFOLK SOUTHERN RAILWAY



CONTAINER STORAGE AREA SCHEDULE

AREA	TOTAL STORAGE CAPACITY (GALLONS)	10% OF TOTAL STORAGE CAPACITY (GALLONS)	CALCULATED SECONDARY CONTAINMENT (GALLONS)	EXISTING/ PROPOSED	EXHIBIT NUMBER
1A	99,600	9,960	35,285	E	9
1B	99,600	9,960	35,150	E	9
1C	99,600	9,960	25,841	E	9
3	79,860	7,986	10,250	E	11

TANK SCHEDULE

TANKFARM NO.	NO.	CAPACITY (GAL.)	TYPE	PERMITTED USAGE	EXHIBIT NO.
NO. 1	5	20,000	CS/FB	HAZARDOUS WASTE STORAGE	33
	6	20,000	CS/FB	HAZARDOUS WASTE STORAGE	32
	10	20,000	CS/FB	IN-PROCESS STORAGE	
	11	20,000	CS/FB	HAZARDOUS WASTE STORAGE	33
	12	10,000	CS/CB	HAZARDOUS WASTE STORAGE	29
	13	10,000	CS/CB	HAZARDOUS WASTE STORAGE	29
	14	10,000	CS/CB	HAZARDOUS WASTE STORAGE	29
	16	15,000	CS/CB	HAZARDOUS WASTE STORAGE	31
	17	15,000	CS/CB	HAZARDOUS WASTE STORAGE	31
	18	15,000	CS/CB	HAZARDOUS WASTE STORAGE	31
	19	15,000	CS/CB	HAZARDOUS WASTE STORAGE	31
	21	15,000	CS/CB	HAZARDOUS WASTE STORAGE	31
	22	15,000	CS/CB	HAZARDOUS WASTE STORAGE	31
	23	15,000	CS/CB	HAZARDOUS WASTE STORAGE	31
	24	15,000	CS/CB	HAZARDOUS WASTE STORAGE	31
	25	15,000	CS/CB	HAZARDOUS WASTE STORAGE	31
NO. 2	41	10,000	CS-L/FB	PRODUCT/HAZARDOUS STORAGE	
	42	10,000	CS-L/FB	PRODUCT/HAZARDOUS STORAGE	
	43	10,000	CS-L/FB	PRODUCT/HAZARDOUS STORAGE	
	44	10,000	CS-L/FB	PRODUCT/HAZARDOUS STORAGE	
	45	10,000	CS/FB	PRODUCT/HAZARDOUS STORAGE	
	46	20,000	CS/FB	PRODUCT/HAZARDOUS STORAGE	
	47	20,000	CS/FB	PRODUCT/HAZARDOUS STORAGE	
	48	20,000	CS/FB	PRODUCT/HAZARDOUS STORAGE	
	49	20,000	CS-L/FB	PRODUCT/HAZARDOUS STORAGE	
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	51	20,000	CS-FB	PRODUCT/HAZARDOUS STORAGE	
	52	20,000	CS-FB	PRODUCT/HAZARDOUS STORAGE	
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	55	15,000	CS-L/FB	PRODUCT/HAZARDOUS STORAGE	
	56	19,900	CS-FB	PRODUCT/HAZARDOUS STORAGE	
	57	19,900	CS-FB	PRODUCT/HAZARDOUS STORAGE	
	58	19,900	CS-FB	PRODUCT/HAZARDOUS STORAGE	
	59	20,000	CS-FB	PRODUCT/HAZARDOUS STORAGE	
	60	20,000	CS-FB	PRODUCT/HAZARDOUS STORAGE	
NO. 3A	73	20,000	CS-L/FB	HAZARDOUS WASTE STORAGE	34
	75	20,000	CS-L/FB	HAZARDOUS WASTE STORAGE	34
	76	20,000	CS-L/FB	HAZARDOUS WASTE STORAGE	34
	77	10,000	CS-FB	HAZARDOUS WASTE STORAGE	30
	78	20,000	CS/DB	HAZARDOUS WASTE STORAGE	
	80	20,000	SS/FB	PRODUCT STORAGE	
NO. 3B	81	20,000	CS/DB	HAZARDOUS WASTE STORAGE	36
	82	20,000	CS/DB	IN-PROCESS STORAGE	
	83	20,000	CS/DB	IN-PROCESS STORAGE	
	85	20,000	CS/DB	HAZARDOUS WASTE STORAGE	36
	86	20,000	CS/DB	HAZARDOUS WASTE STORAGE	36
	87	20,000	CS/DB	HAZARDOUS WASTE STORAGE	36
	88	20,000	CS/DB	HAZARDOUS WASTE STORAGE	36
	90	20,000	CS/DB	HAZARDOUS WASTE STORAGE	36
NO. 6B	212	20,000	CS/DB	PRODUCT STORAGE	
	213	20,000	CS/DB	HAZARDOUS WASTE STORAGE	35
	214	20,000	CS/DB	HAZARDOUS WASTE STORAGE	35
	215	20,000	CS/DB	HAZARDOUS WASTE STORAGE	35
	216	20,000	CS/DB	HAZARDOUS WASTE STORAGE	35

NOTE 1:

FLARE – SUBPART AA PROCESS EMISSIONS CONTROL DEVICE.

EQUIPMENT

NO.	CAPACITY	TYPE	DESCRIPTION
HT-502	400 H.P.	FIRE-TUBE	CLEAVER BROOKS BOILER
HT-503	250 H.P.	FIRE-TUBE	CLEAVER BROOKS BOILER
E-801	550 GPH	RISING FILM	ARTISAN EVAPORATOR
E-803	1000 GPH	THIN FILM	LUWA LN-500 EVAPORATOR
EB		BATCH	MINERAL SPIRITS EMULSION BREAKING PROCESS
CT-532	300 TON	FORCED CONVECTION	BALTIMORE AIRCOIL COOLING TOWER
HT-501a	2,000 lb/HR	ROTARY-BATCH	SAFETY-THERM
HT-501b	2,000 lb/HR	ROTARY-BATCH	SAFETY-THERM
D-671	1,100 gal	MOLECULAR SIEVE	LECTRODRYER, AXR-8000

LEGEND:

CB – CONE BOTTOM
DB – DISH BOTTOM
FB – FLAT BOTTOM

CS – CARBON STEEL
L – LINED

DF=E92001B6

NO.	DESCRIPTION	BY	CK	PROJ.MGR APPR.	PROCESS APPR.	DATE
6	ISSUED FOR PERMIT RENEWAL PART "B" 2018	KMC	DAD			042418
5	ISSUED FOR PERMIT RENEWAL PART "B" 1998	RDK				050898
4	ISSUED FOR PERMIT RENEWAL PART "B" 1998	RDK				012698
3	ISSUED FOR PERMIT RENEWAL PART "B" 1998	RDK				012298
2	ISSUED FOR NOD 1997	RDK	KJM			022497
1	ISSUED FOR PART "B" PERMIT NOD	MO'C	KJM			092793

REVISIONS

EXISTING SITE PLAN

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
1"=80'	RDK				8/26/92

LEXINGTON, SC RECYCLE CENTER

DRAWING NO. 92-6300B-001 REV 6

ATTACHMENT A-3

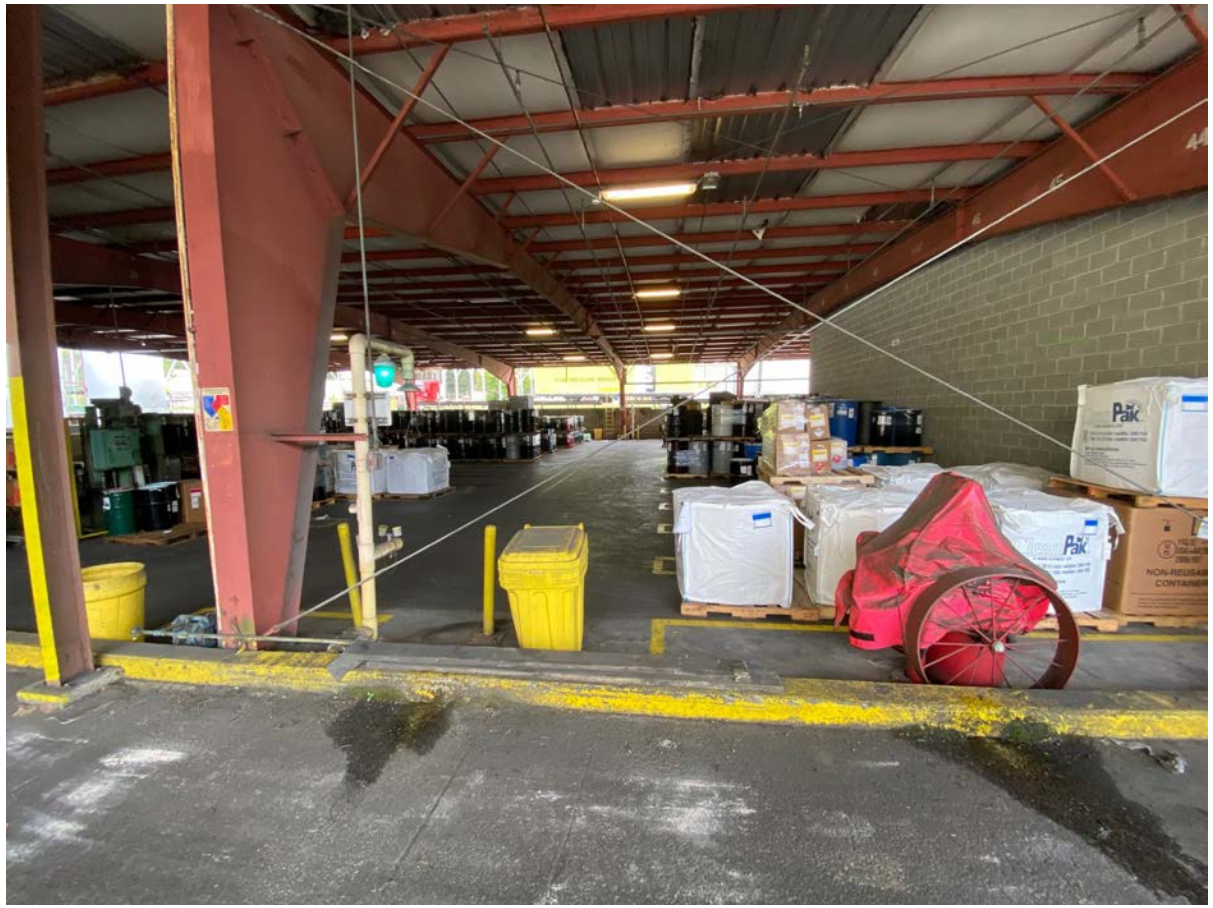
Container Storage Areas

Module 1A – North to South

Module 1A – South to North

Container Storage Areas

Module 1B – North to South



Module 1B – South to North

Container Storage Areas

Module 1C – North to South

Module 1C – South to North

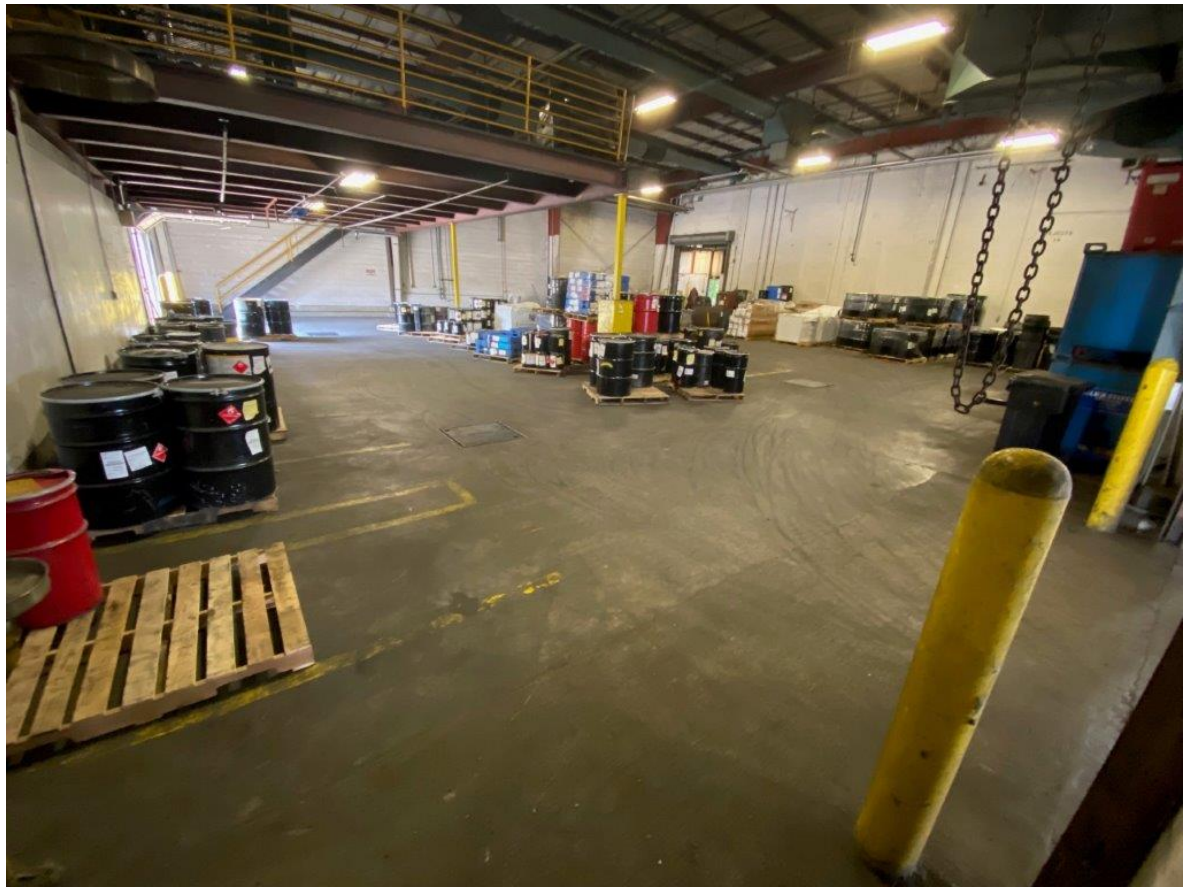
Container Storage Areas

Module 1C – West to East (1)

Module 1C – West to East (2)

Container Storage Areas

Module 3 – North to South



Module 3 – East to West

Tank Storage

Tank Farm 1 – North to South

Tank Farm 1 – South to North

Tank Storage

Tank Farm 2 – North to South

Tank Farm 2 – South to North

Tank Storage

Tank Farm 3A – North to South

Tank Farm 3A – South to North

Tank Storage

Tank Farm 3B – North to South

Tank Farm 3B– South to North

Tank Storage

Tank Farm 3B – East to West

Tank Storage

Tank Farm 6B – East to West

Tank Farm 6B– West to East

Section B

Table of Contents

B FACILITY DESCRIPTION

B-1 GENERAL DESCRIPTION/NATURE OF BUSINESS

This section provides a general description of the hazardous waste management facility known as Safety-Kleen Systems, Inc. Lexington Recycle Center (Safety-Kleen), as required by South Carolina Hazardous Waste Management Regulations R.61-79.270.14(b). The description is intended to provide an overview of the facility and operations associated with the hazardous waste management activities. A site diagram of the Recycle Center is attached as **Exhibit 1**.

LOCATION AND GEOGRAPHIC SETTING

Safety-Kleen owns approximately thirty- eight (38) acres near the town of Lexington, SC. Maps showing the locations (United States Geographic Survey map) and zoning of the Safety-Kleen property are attached as **Exhibits 2 and 4**. The facility is located approximately 3 miles southeast of Lexington, South Carolina. Lexington, SC is situated in Lexington County and is approximately 10 miles west of Columbia, SC. The street address and mailing address of the facility are:

Safety-Kleen Systems, Inc.
130-A Frontage Road
Lexington, SC 29073

The facility is located to the west and adjacent to 1-20 and one-half mile south of U.S. #1. The legal boundaries of the property, which occupies 38 acres of land and is situated in a combination of commercial/industrial/ residential areas, is shown in **Exhibit 8**. The property includes a land parcel of 8.0 acres purchased in early 1989 immediately to the west of the facility. In 1993, a 3.29-acre parcel of land was purchased immediately to the southwest of the facility

to serve as an alternate egress route. Also, in 1994, a 0.541-acre parcel of land was purchased east of the facility.

GENERAL FACILITY DESCRIPTION

The day-to-day operation of the Lexington Recycle Center is the responsibility of the Facility General Manager. The Facility Manager reports to the Director of Facility Operations who in turn reports to the Senior Vice President of Operations. The Safety-Kleen Corporate Environment and Health and Safety Departments provide assistance to the plant in the areas of regulatory affairs, permitting, and environmental compliance and health and safety.

The company has been operating a solvent reclamation facility at 130-A Frontage Road in Lexington, SC for more than 4 decades. A site diagram of the Recycle Center is attached as **Exhibit 1**. Each year the Lexington Recycle Center processes millions of gallons of solvents and other organic chemicals. In each instance, used solvents or chemicals are brought to the Recycle Center, processed and returned to customers for use or sent to other facilities for energy recovery.

Recycle Center

The Safety-Kleen Lexington Recycle Center operates solvent recycling systems located on-site. The facility receives spent parts cleaner (ex. Petroleum Naphtha), paint wastes, waste oil, oil filters, and several aqueous cleaners. These wastes arrive primarily from company operated service centers in the eastern United States. Some wastes are transported directly from industrial customers, and occasionally wastes from other regions are brought to the Lexington facility.

The spent parts cleaner and spent immersion cleaner are brought in by tank trucks and box trailers. The parts cleaner can be received in bulk and/or drums and can be recycled at the facility. The recycled parts cleaner and immersion cleaner are re-distributed to the service centers.

The Dry-Cleaning Process Wastes consist of filter cartridges, still bottoms and muck, and are received in box trailers from Safety-Kleen Service Centers. The Dry-Cleaning Process Wastes consist of primarily residues of Perchloroethylene, mineral spirits or Freon, and are collected in containers. The dry-cleaning filter cartridge wastes are reduced to a form which can be processed by a shredder and recycled with other forms of dry-cleaning wastes. The recovered distillate is shipped to other Safety-Kleen Recycle Centers for purification of the solvents.

Spent solvents are received from industrial users for processing on-site or temporary storage prior to being transferred to other treatment facilities for recycling. The Safety-Kleen Lexington Recycle Center also stores paint wastes, using a materials management system similar to that used for the parts cleaner solvents.

Distillation bottoms from the recovery processes of spent solvents, solvents which are uneconomical to recover, and mixed solvents which cannot be separated are blended into fuel for use offsite in cement kilns or other industrial furnaces. The Lexington facility blends fuel to meet specifications for burning in the cement kilns.

Waste oil is accumulated at the facility and either transported off site for re-refining or blended and sold as fuel to permitted facilities. The waste oil is primarily made up from crankcase oils, lubricating oils and hydraulic fluids collected from maintenance and industrial facilities.

The following process units are involved in the onsite generation of hazardous waste: the distillation units, return and fill dumpsters, and evaporator. These processes are described in more detail in Section D.

Service Center (AKA Branch)

Safety-Kleen operates a service center on the same property as the recycle center. Solvent is collected from customers by sales representatives based at the service center and stored until sufficient quantities are collected. The solvent is then transported to a recycle center for reclamation. Solvent used in Safety-Kleen's core business, parts cleaner and immersion cleaner are part of a "closed loop" system. The customers in the "closed loop" system are primarily small quantity generators engaged in automotive repair and industrial maintenance. The service center collects spent solvents on a pre-determined schedule from its customer base, most of whom are small quantity generators. Services offered by Safety-Kleen involve the leasing and selling of a parts cleaner machine; parts cleaner and immersion cleaner solvent replacement; and waste collection. The following services involve the handling of hazardous waste.

Parts Cleaner Service

The original service offered by the Company in 1968 was the parts cleaner service and it remains the primary business activity. This service involves the leasing or selling of a small parts degreasing unit which typically consists of a sink affixed to a drum containing a parts cleaner solvent. On a regularly scheduled basis, a Safety-Kleen sales representative cleans and inspects the parts washer machine and replaces the drum of used solvent with one of clean product. Each sales representative performs about fifteen of these services per day, collecting the drums of used solvent on a route van. At the end of each day, the solvent is transferred from the drums to a permitted storage tank and drums of product are prepared for the next day's services.

Safety-Kleen has also established a parts cleaner service for users who own their machines. This service, known as the Customer Owned Machine Service (COMS), provides a solvent reclamation service to these customers regardless of machine model.

A second type of parts washer, the immersion cleaner, is available for the removal of varnish and gum from such things as carburetors and transmissions. This machine consists of an immiscible basket with an agitator affixed to a drum containing the immersion cleaner (IC) solvent. The spent solvent remains in the drum after delivery to the facility where it is stored in a contained area of the warehouse.

Dry Cleaner Service

In 1984, Safety-Kleen began offering a service for the collection of filter cartridges and still bottoms contaminated with dry cleaning solvents (usually Perchloroethylene). These wastes are drummed on the customer's premises and are periodically collected by a sales representative. The drummed waste is accumulated in a contained area of the warehouse prior to shipment to a Safety-Kleen recycle center where they are recycled. About 35% of this recycled waste is returned to dry cleaners as usable product.

Paint Waste Collection Service

In 1986, a paint waste reclamation program was initiated to service automobile body repair businesses. Wastes containing various thinners and paints are collected in pails and drums on the customer's premises. The sales representative collects these containers and stores them in the drum storage area prior to shipment to a recycle center.

Industrial Solvents Collection Service

Safety-Kleen offers generators of large quantities of industrial solvents a reclamation service through its industrial solvents collection service. Wastes

containing parts cleaner, halogenated solvents and lacquer thinners are shipped from the generator to the facility in drums or directly to the recycle center in bulk or containers.

Safety-Kleen also collects drums of non-closed loop solvents from small quantity generators in the Containerized Waste Services (CWS) program. Safety-Kleen's wide distribution network allows the pickup of these small lots of drums which normally would be prohibitively expensive. These drums are typically collected and stored at the service centers prior to transportation to a recycle center for either recovery or incorporation into the fuels program. Accumulation centers often act as an intermediate collection and dispensing point for drummed waste and product, respectively, for several (six to eight) service centers in a geographic area. The Lexington Recycle Center functions as a "super accumulation center" in that it collects material from the entire southeastern region of the United States.

Waste Oil Collection Service

The Safety-Kleen Service Center may serve as an accumulation point for waste oils generated by the various Safety-Kleen customers on the east coast. The waste oils are stored in tanks until sufficient quantities are collected and then are shipped to a permitted facility for further processing. The processed oil is either blended and sold as a waste oil fuel or re-refined for reuse.

GENERAL MAP INFORMATION

A site plan of the Lexington Recycle Center is included as **Exhibit 1**. The site

plan illustrates existing and proposed facility buildings, structures, hazardous waste and product storage areas, process units, truck stations, rail lines, site boundary and fence line, and controlled access points. Details of the existing and proposed facility are described in Section D.

B-2 TOPOGRAPHIC MAP INFORMATION

A United States Geographical Survey topographical map of the area surrounding the Lexington facility is furnished as **Exhibit 2**. The map indicates that the site and surrounding area display a gently sloping topography with elevations ranging from 370 feet to 400 feet (in the southern portions) NGVD (National Geodetic Vertical Datum of 1929). The facility includes approximately 95,000 ft^2 of roofed area.

Surface water runoff generally follows topography and drains from the southeast to the northwest. Runoff from the non-operational area of the facility is controlled by a system of storm drains and is directed to a drainage ditch that is situated along the northern portion of the facility. This drainage ditch feeds into a retention basin located in the northwest corner of the facility. All hazardous waste management areas are either indoors, under roof, and/or have containment dikes to prevent run-on and run-off. Rainwater accumulated within the diked areas of the tank farms and drum storage areas are inspected and if there are signs of contamination (e.g., sheen), pumped to designated aboveground tanks for treatment and reuse or discharge. Accumulated rainwater that does not exhibit signs of contamination is pumped over the dike walls to follow natural drainage patterns and allowed to remain in the local watershed. The storm drainage system is displayed in **Exhibit 1A**.

A wind rose from the Columbia, SC airport is provided as **Attachment B-1**

as required by R. 61- 7 9.2 6 4. This graphical presentation indicates that wind direction is predominantly from the west and west-southwest.

B-3 LOCATION

B-3a SEISMICSTANDARD

The Lexington Recycle Center is not located within 200 feet of any fault line which has had displacement during Holocene time, as indicated by 40 CFR and R61-79. 264.18(a), 270.14(b), and Appendix VI of Part 264. The proposed units at the facility are located in Lexington County, South Carolina which is not listed in Appendix VI of R.61-79.264 (40 CFR 264 and R61-79).

B-3b FLOODPLAIN STANDARD

The Lexington Recycle Center is not located within the 100-year floodplain. Floodplain contours are shown on the Federal Insurance Administration Map included as **Exhibit 5**. The map designates the facility to be located in Zone C, an area of minimal flooding. The Lexington Recycle Center conducts no on-site disposal of waste and is therefore not required to meet floodplain standards for disposal facilities.

B-4 TRAFFIC INFORMATION

General Area Traffic

The facility is one-half mile south of U.S. #1 and adjacent to I-20. Highway U.S. #1 has a speed limit of 55 mph and Interstate 20 has a speed limit of 70 mph. Access to the site from U.S. #1 and I-20 is by Dooley Road.

Traffic Approach

Trucks that serve the site, tank trucks, box trailers, and route trucks, use I-20 or U.S. #1 as their major approach route to Dooley Road, travel south on Dooley Road one-half mile to the Southern Railroad and then turn west onto Frontage Road which passes immediately in front of the facility.

Traffic Control

There is a left turn lane coming from the East (U.S. #1) onto Dooley Road. A traffic light is located at the intersection of U.S. #1 and Dooley Road.

On-Site

Existing and proposed traffic flow, emergency equipment locations and evacuation routes are shown in **Exhibits 5-1**. The estimated traffic volume is shown in **Table B-1**.

Road Surfacing

All parking, driveway and loading areas are paved with concrete or blacktop. Dooley Road is also paved with blacktop along with U.S. #1 and I-20. The on-site roads are constructed of 5" asphalt on a base of 6" of 304 gravel, or 6" reinforced concrete in areas of tanker and semitrailer traffic. The off-site roads are made up of 1-1/2" 404 surface, 1-1/2" leveling and 6" bituminous aggregate base.

Load Bearing Capacity

Safety-Kleen[1]s bulk tank trucks and box trailers have a maximum gross vehicle weight of less than 80,000 pounds, with maximum axle loads conforming to the limitations of various states in the region. Access roads to the facility have a load bearing capacity of up to 80,000 pounds for certain types of loads, as described in "South Carolina Laws Governing Size, Weight, Load and Truck Operations." The on-site roads and parking facility are designed employing steel-reinforced concrete rated at 3000 psi to sustain the expected traffic loads.

Table B-1

Table B-1

Estimated Daily Traffic Volume
Safety-Kleen Systems, Inc.
Lexington, South Carolina

Vehicle Type	Load Description	# Vehicles
Tanker Trailer/Van Trailer	Bulk Containerized Incoming Waste	2 - 8
Tanker Trailer/Van Trailer	Bulk Containerized Outgoing Product	2 - 8
Tanker Trailer/Van Trailer	Empty Drums, Virgin Product, Solids for off-site disposal	1-5
Automobiles	Employees*, Sales Personnel, Vendors, Visitors	50 - 60
Utility, Maintenance, Light Trucks	Parts, Supplies, Mail Deliveries, etc.	2 - 8
Single Box and Route Trucks	Containerized Incoming Waste	8-14

* *Employee driving to and from work is counted as a single trip for this estimate.*

Attachment B-1

South Carolina State Climatology Office

Lexington County

30 Year Climate Normals (Pelion)						
	Max Temp.	Mean Temp.	Min Temp.	Precip	CDD	HDD
1971-2000	75.2 F	63.2 F	51.1 F	51.03 Inches	1926	2574
1981-2010	73.8 F	61.2 F	48.7 F	50.30 Inches	1630	3001
1991-2020	77 F	64.8 F	52.6 F	51.98 Inches	2339	2373

Temperature Records (1948-2020)

Highest Maximum: 109 F, June 30, 2012; Columbia Metro Airport
Lowest Minimum: -4 F, February 14, 1899; Batesburg

Precipitation Records (1948-2020)

Highest Daily Rainfall (COOP): 7.10 Inches, September 4, 1998; Pelion 0.8 NW
Highest Daily Rainfall (CoCoRaHS): 9.00 inches, October 4, 2015; West Columbia 1.2 ESE
Annual Average Rainfall: 46.98 Inches; Columbia Metro Airport
Wettest Year: 1964, 76.11 inches; Batesburg
Driest Year: 1954, 27.39 Inches; Columbia Metro Airport
Highest Daily Snowfall: 12.3 Inches, February 10, 1973; Columbia Metro Airport

Severe Weather Events- Countywide

Tornado

36 Tornadoes (1950-2020)
- E/F0: 10
- E/F1: 15
- E/F2: 8
- E/F3: 3
- E/F4: 0

Period Of Record: 1950-2020
Strongest: F3 on August 16, 1994 (2) and November 2, 1995
Longest Path: 21.3 miles on April 5, 1957
Widest Path: 450 yards on February 22, 1993
1 tornado related fatality
26 tornado related injuries
Total Damage Costs: $58.1 Million

Thunderstorm, High, and Strong Wind Events

565 Total Wind Events (winds exceeding 50 knots or 58 miles per hour, 1955-2020)
- 552 Thunderstorm wind events
- 6 High wind events
- 7 Strong wind events

2 Wind-related fatalities
9 Wind-related injuries
Total Damage Costs: $3.21 Million

Hail (>1.0 inch)

129 Hail events (1955-2020)

Lightning

10 Lightning events (1993-2020)
2 Lightning related fatalities
1 Lightning related injury
Total Damage Costs: $1.508 Million

Flood

77 Total Flood Events (1993-2020)
- 12 Flood Events
- 0 Coastal Flood Events
- 65 Flash Flood Events

0 Flood-related fatalities
0 Flood-related injuries
Total Damage Costs: $18.746 Million

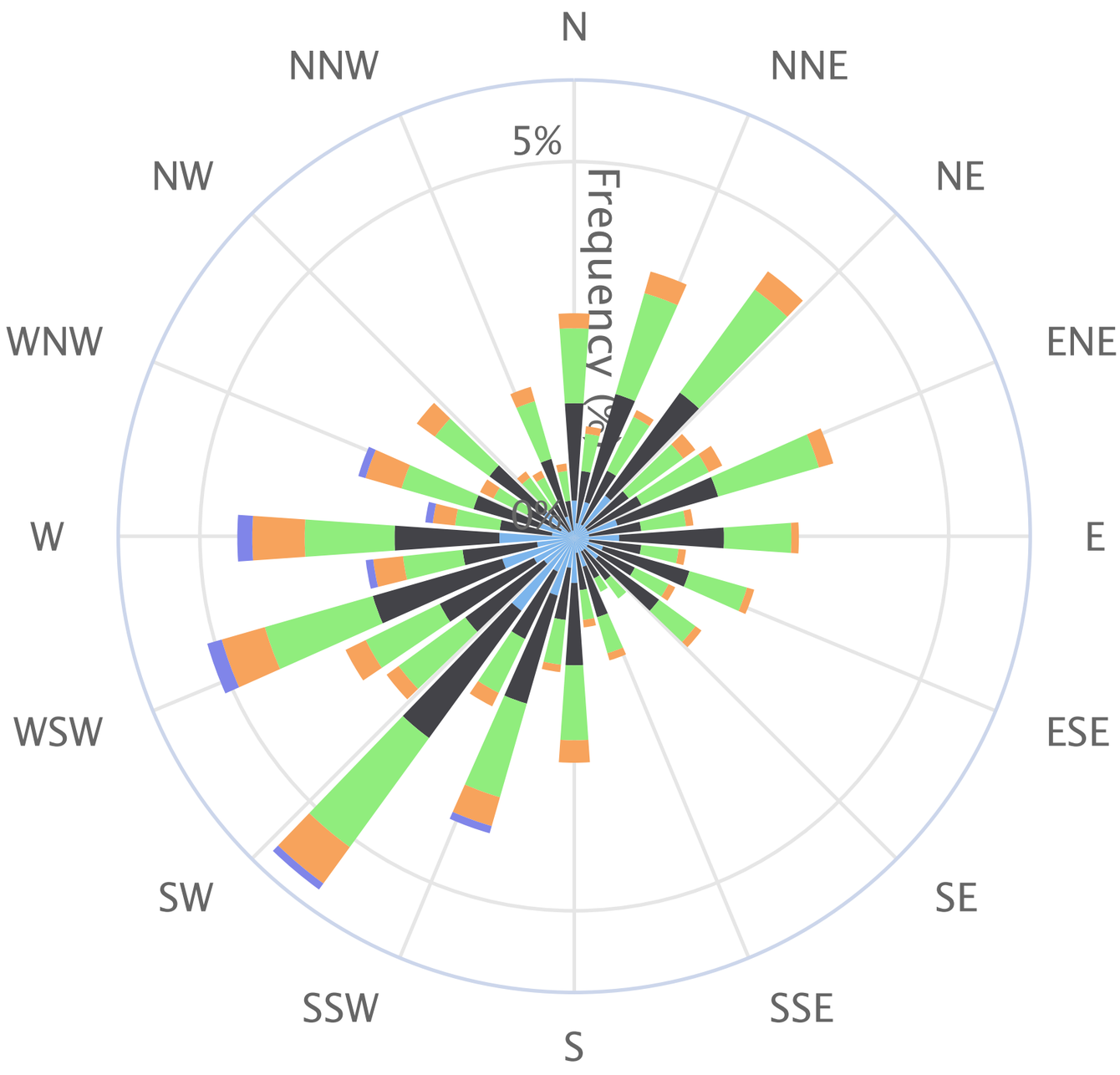
Winter Weather-Related Events

21 Total Winter Weather-Related Events
- 8 Winter storm events
- 4 Ice storm events
- 1 Heavy snow event
- 0 Frost/freeze events
- 8 Winter weather events
- 0 Cold/wind chill events

0 Winter weather-related fatalities
0 Winter weather-related injuries
Total Damage Costs: $12,000

COLUMBIA METRO AP (SC) Wind Rose

Apr. 1, 1942 - Aug. 30, 2021
Sub-Interval: Jan. 1 - Dec. 31, 0 - 23

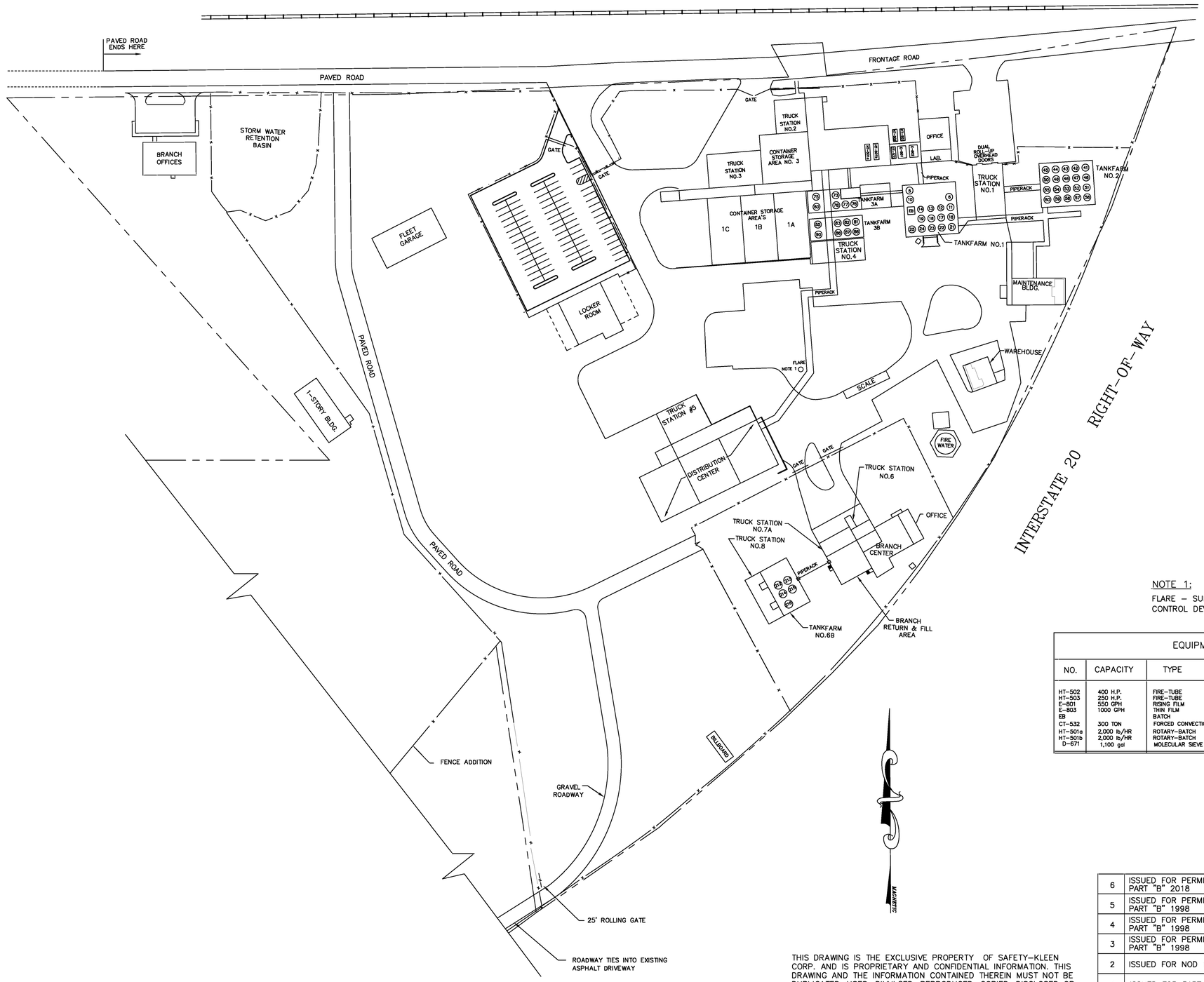


Wind Speed (mph)

- 1.3 - 4
- 4 - 8
- 8 - 13
- 13 - 19
- 19 - 25
- 25 - 32
- 32 - 39
- 39 - 47
- 47 -

Click and drag to zoom

Exhibit 1



CONTAINER STORAGE AREA SCHEDULE

AREA	TOTAL STORAGE CAPACITY (GALLONS)	10% OF TOTAL STORAGE CAPACITY (GALLONS)	CALCULATED SECONDARY CONTAINMENT (GALLONS)	EXISTING/ PROPOSED	EXHIBIT NUMBER
1A	99,600	9,960	35,285	E	9
1B	99,600	9,960	35,150	E	9
1C	99,600	9,960	25,841	E	9
3	79,860	7,986	10,250	E	11

TANK SCHEDULE

TANKFARM NO.	NO.	CAPACITY (GAL.)	TYPE	PERMITTED USAGE	EXHIBIT NO.
NO. 1	5	20,000	CS/FB	HAZARDOUS WASTE STORAGE	33
	6	20,000	CS/FB	HAZARDOUS WASTE STORAGE	32
	10	20,000	CS/FB	IN-PROCESS STORAGE	
	11	20,000	CS/FB	HAZARDOUS WASTE STORAGE	33
	12	10,000	CS/CB	HAZARDOUS WASTE STORAGE	29
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	23	15,000	CS/CB	HAZARDOUS WASTE STORAGE	31
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	25	15,000	CS/CB	HAZARDOUS WASTE STORAGE	31
NO. 2	41	10,000	CS-L/FB	PRODUCT/HAZARDOUS STORAGE	
	42	10,000	CS-L/FB	PRODUCT/HAZARDOUS STORAGE	
	43	10,000	CS-L/FB	PRODUCT/HAZARDOUS STORAGE	
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NO. 3A	73	20,000	CS-L/FB	HAZARDOUS WASTE STORAGE	34
	75	20,000	CS-L/FB	HAZARDOUS WASTE STORAGE	34
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	77	10,000	CS-FB	HAZARDOUS WASTE STORAGE	30
	78	20,000	CS/DB	HAZARDOUS WASTE STORAGE	
	80	20,000	SS/FB	PRODUCT STORAGE	
NO. 3B	81	20,000	CS/DB	HAZARDOUS WASTE STORAGE	36
	82	20,000	CS/DB	IN-PROCESS STORAGE	
	83	20,000	CS/DB	IN-PROCESS STORAGE	
	85	20,000	CS/DB	HAZARDOUS WASTE STORAGE	36
	86	20,000	CS/DB	HAZARDOUS WASTE STORAGE	36
	87	20,000	CS/DB	HAZARDOUS WASTE STORAGE	36
	88	20,000	CS/DB	HAZARDOUS WASTE STORAGE	36
	90	20,000	CS/DB	HAZARDOUS WASTE STORAGE	36
NO. 6B	212	20,000	CS/DB	PRODUCT STORAGE	
	213	20,000	CS/DB	HAZARDOUS WASTE STORAGE	35
	214	20,000	CS/DB	HAZARDOUS WASTE STORAGE	35
	215	20,000	CS/DB	HAZARDOUS WASTE STORAGE	35
	216	20,000	CS/DB	HAZARDOUS WASTE STORAGE	35

NOTE 1:

FLARE – SUBPART AA PROCESS EMISSIONS CONTROL DEVICE.

EQUIPMENT

NO.	CAPACITY	TYPE	DESCRIPTION
HT-502	400 H.P.	FIRE-TUBE	CLEAVER BROOKS BOILER
HT-503	250 H.P.	FIRE-TUBE	CLEAVER BROOKS BOILER
E-801	550 GPH	RISING FILM	ARTISAN EVAPORATOR
E-803	1000 GPH	THIN FILM	LUWA LN-500 EVAPORATOR
EB		BATCH	MINERAL SPIRITS EMULSION BREAKING PROCESS
CT-532	300 TON	FORCED CONVECTION	BALTIMORE AIRCOIL COOLING TOWER
HT-501a	2,000 lb/HR	ROTARY-BATCH	SAFETY-THERM
HT-501b	2,000 lb/HR	ROTARY-BATCH	SAFETY-THERM
D-671	1,100 gal	MOLECULAR SIEVE	LECTRODRYER, AXR-8000

LEGEND:

CB – CONE BOTTOM
DB – DISH BOTTOM
FB – FLAT BOTTOM

CS – CARBON STEEL
L – LINED

DF=E92001B6

NO.	DESCRIPTION	BY	CK	PROJ.MGR APPR.	PROCESS APPR.	DATE
6	ISSUED FOR PERMIT RENEWAL PART "B" 2018	KMC	DAD			042418
5	ISSUED FOR PERMIT RENEWAL PART "B" 1998	RDK				050898
4	ISSUED FOR PERMIT RENEWAL PART "B" 1998	RDK				012698
3	ISSUED FOR PERMIT RENEWAL PART "B" 1998	RDK				012298
2	ISSUED FOR NOD 1997	RDK	KJM			022497
1	ISSUED FOR PART "B" PERMIT NOD	MO'C	KJM			092793

REVISIONS

EXISTING SITE PLAN

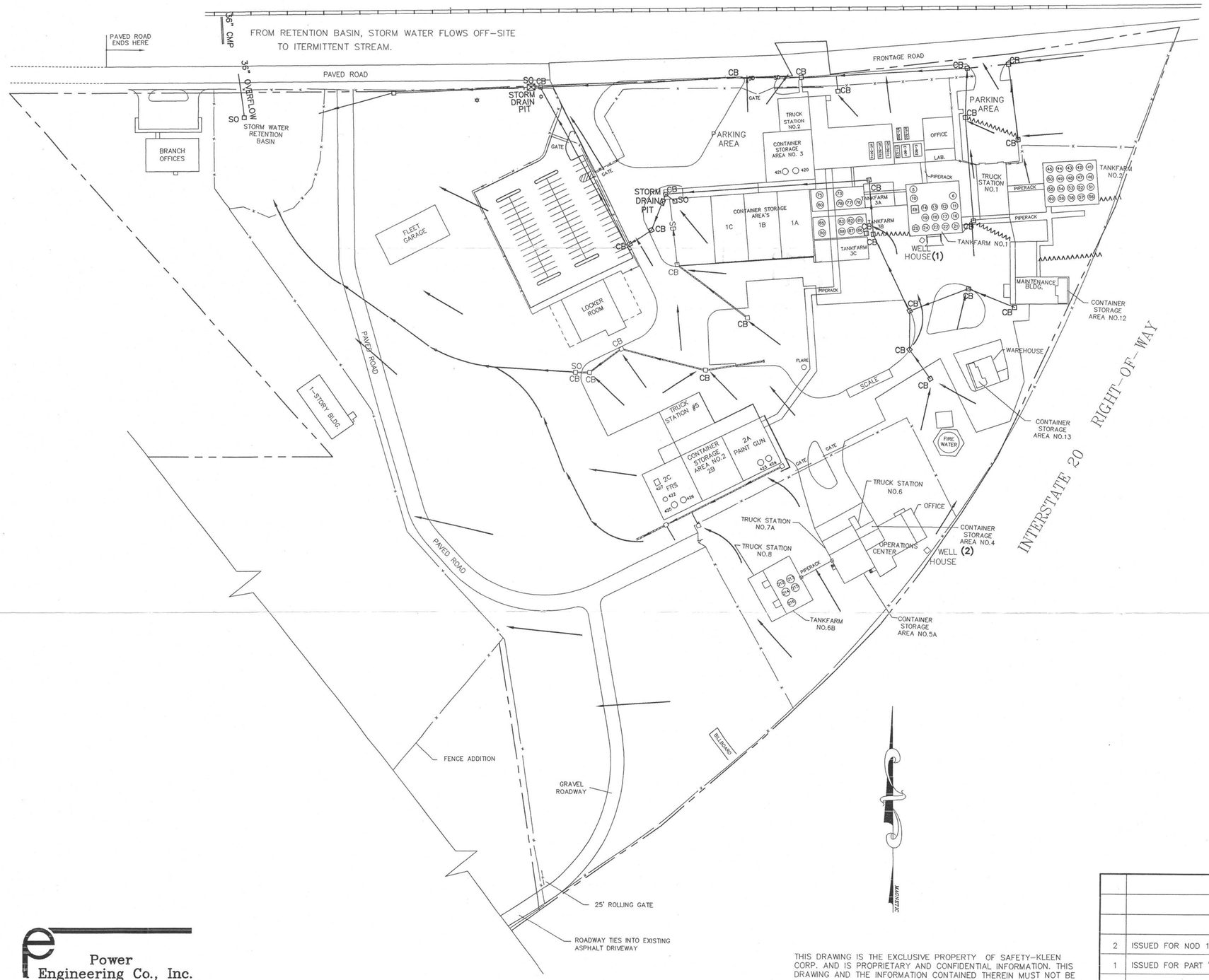
SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
1"=80'	RDK				8/26/92

LEXINGTON, SC RECYCLE CENTER

DRAWING NO. 92-6300B-001 REV 6

NORFOLK SOUTHERN RAILWAY



WELLS

(1) PROVIDES WATER TO BOILERS, COOLING TOWER, OUTDOOR EMERGENCY SHOWERS, AND IC WAREHOUSE.
(2) PROVIDES POTABLE WATER BUT NOT DRINKING WATER TO SERVICE CENTER AREA.

LEGEND

CB = CATCH BASIN
SO = SHUT-OFF VALVE
ΛΛΛΛΛ = BERM TO REDIRECT SURFACE WATER

NOTE:
1) SHUT-OFF VALVES WERE DESIGNED TO STOP FLOW OF LIQUID IN STORM SEWER SYSTEM IN CASE OF A SPILL.
2) ARROWS DENOTE DIRECTION OF WATER FLOW

AS UNITS ARE BUILT, THIS DRAWING WILL BE UPDATED

Power Engineering Co., Inc.
3112 Devine Street
Columbia, S.C. 29205
(803) 799-7600
4801 Chastain Avenue
Charlotte, N.C. 28217
(704) 522-0242

DF=E92003B1

EXHIBIT 1A

NO.	DESCRIPTION	BY	CK	PROJ.MGR APPR.	PROCESS APPR.	DATE
2	ISSUED FOR NOD 1997	RDK / KJM				020797
1	ISSUED FOR PART "B" PERMIT NOD	MO'C / KJM				092997
0	NEW RELEASE	MO'C / KJM				082692

REVISIONS

EXISTING STORM WATER DRAINAGE

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
1"=80'	RDK				01/28/92

LEXINGTON, SC RECYCLE CENTER

DRAWING NO. 92-6300B-003 REV 2

Exhibit 2

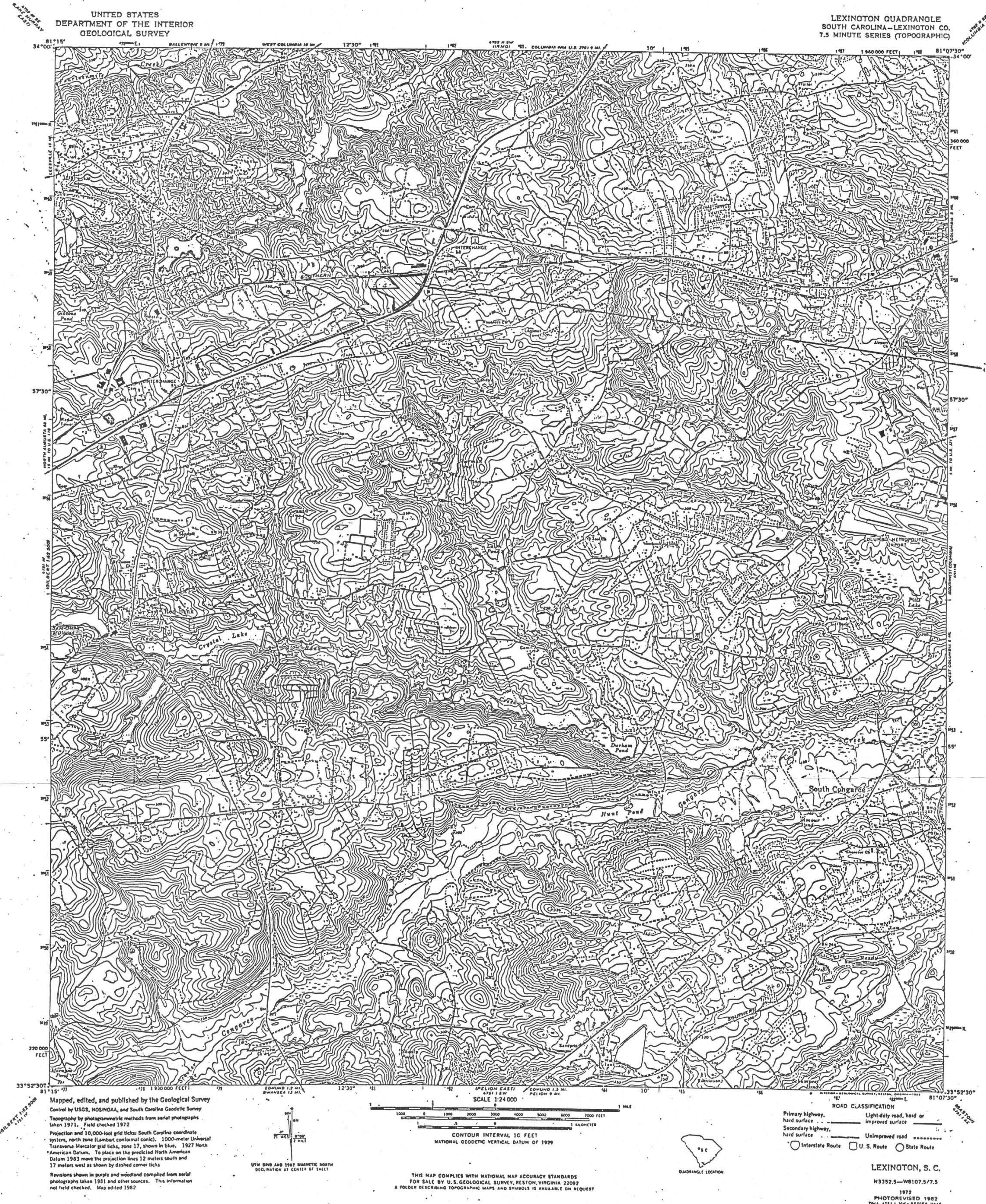


EXHIBIT 2

RCRA PART B
PERMIT DRAWING

NO	DESCRIPTION	BY	CHK	APPR	DATE
1	ISSUED FOR PART "B" PERMIT NOD 1997	MCO	KJM		013197
0	NEW RELEASE	M.O'C	KJM		1/29/92

REVISIONS

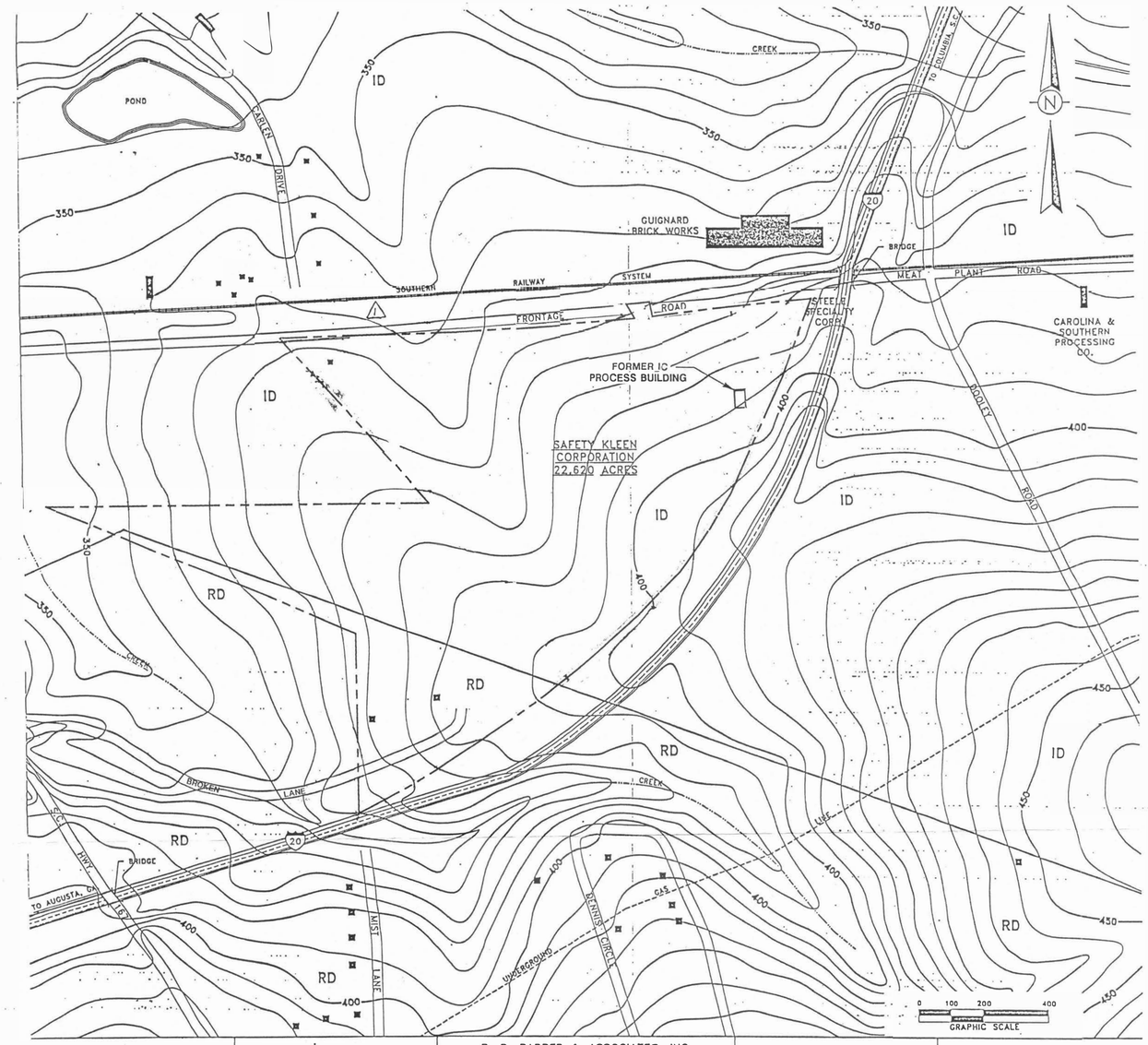
TITLE: **U. S. G. S. MAP**

SAFETY-KLEEN CORP.
1000 RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE 847/697-8460

SCALE	DRAWN	CHECKED	PROCESS APPR	OPERATION APPR	DATE
—	—	KJM			✓

LEXINGTON S.C.
RECYCLE CENTER

DRAWING NO: 92-6300B-004 REV. 1



LEGEND

ID - INDUSTRIAL DEVELOPMENT
RD - RESIDENTIAL DEVELOPMENT

1. THIS MAP COMPILED FROM VARIOUS MAPS AND INFORMATION ON FILE IN OUR OFFICE.
2. THERE ARE NO FLOOD HAZARD ZONES IN THIS AREA ACCORDING TO FLOOD INSURANCE RATE MAP (FIRM) FOR LEX. CO. SOUTH CAROLINA (UNINCORPORATED AREAS) COMMUNITY PANEL # 450129 0255 B, EFF. DATE JUNE. 15. 1981

B. P. BARBER & ASSOCIATES, INC.
ENGINEERS - PLANNERS - SURVEYORS
2611 FOREST DRIVE
P.O. BOX 1116
COLUMBIA, S.C. 29202
(803) 254-4400

TOPOGRAPHIC MAP PREPARED FOR SAFETY-KLEEN CORPORATION

MARCH 29, 1989

FILE NO.

24,566-G11

RCRA PART B PERMIT DRAWING

NO.	DESCRIPTION	BY	CHK.	APPR.	DATE
	ISSUED FOR PART "B" PERMIT NOD 1997	MCO	KJM		013197
0	NEW RELEASE	MCO	KJM		5/2/97

REVISIONS

TITLE: TOPOGRAPHIC MAP

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

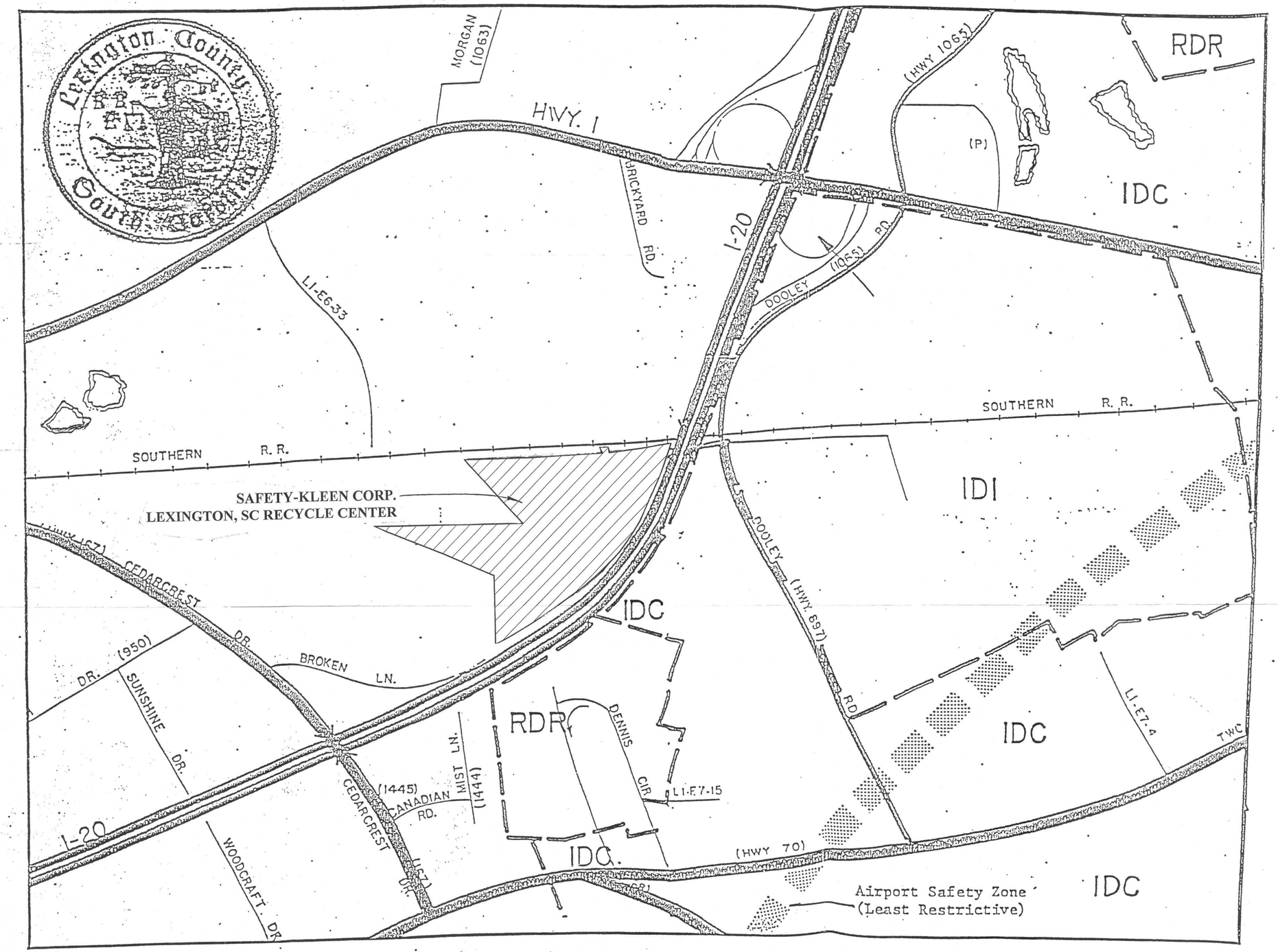
SCALE	DRAWN	CHECKED	PROCESS APPR.	OPERATION APPR.	DATE
—	—	KJM			

LEXINGTON S.C. RECYCLE CENTER

DRAWING NO. 92-6300B-008

FILE 1

Exhibit 4



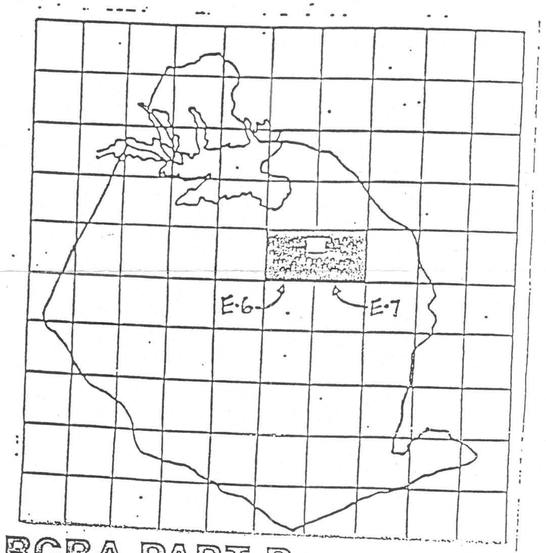
SCALE IN FEET

0 400 800 1200 1600

IDC – Intensive Development
Commercial Oriented

IDI – Intensive Development
Industrial Oriented

RDR – Restricted Development
Residential Oriented



RCRA PART B
PERMIT DRAWING

EXHIBIT 4
LEXINGTON COUNTY
ZONING MAP

92-6300B-006

Exhibit 5

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Lambert Conformal Conic State Plane South Carolina FIPS 3900. The **horizontal datum** was NAD83 HARN, GRS1980 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242** or visit its website at http://www.ngs.noaa.gov/.

Base map information shown on this FIRM was provided in digital format by Lexington County, South Carolina.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

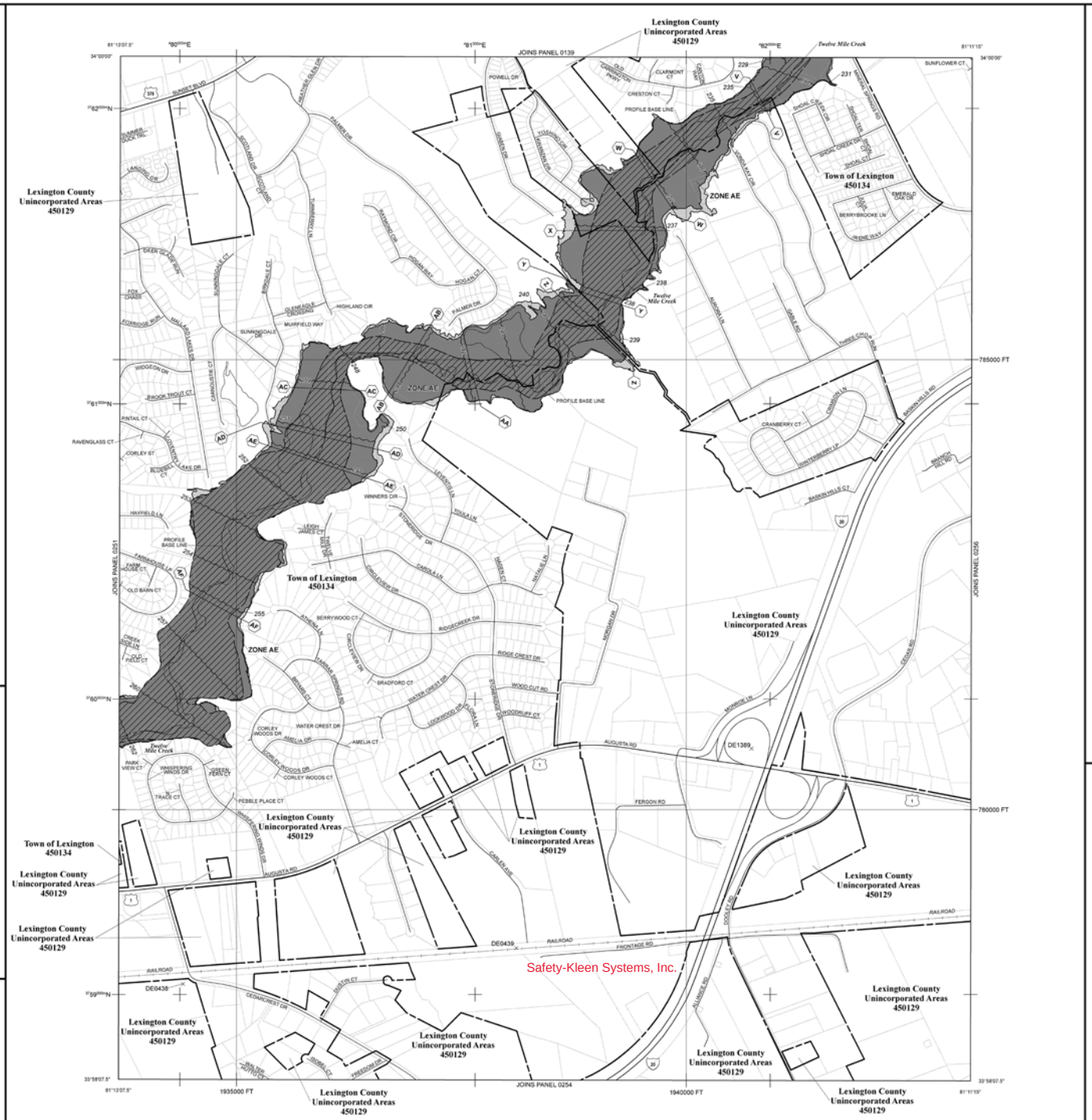
For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products or the National Flood Insurance Program in general, please call the **FEMA Map Information eXchange** at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Map Service Center website at http://www.msc.fema.gov/. Available products may include previously issued Letters of Map Change, a Flood Insurance Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website. Users may determine the current map date for each FIRM panel by visiting the FEMA Map Service Center website or by calling the FEMA Map Information eXchange.

The "profile base lines" depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the "profile base line", in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.

DNR

This digital Flood Insurance Rate Map (FIRM) was produced through a unique cooperative partnership between the State of South Carolina and the Federal Emergency Management Agency (FEMA). The State of South Carolina has implemented a long term approach of floodplain management to decrease the costs associated with flooding. This is demonstrated by the State's commitment to map floodplain areas at the local level. As a part of this effort, the state of South Carolina has joined in a Cooperating Technical State agreement with FEMA to produce and maintain this digital FIRM.

http://www.dnr.state.sc.us/



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- **ZONE A** — No Base Flood Elevations determined.
- **ZONE AE** — Base Flood Elevations determined.
- **ZONE AH** — Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- **ZONE AO** — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- **ZONE AR** — Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- **ZONE A99** — Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
- **ZONE V** — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- **ZONE VE** — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- **ZONE X** — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- **ZONE X** — Areas determined to be outside the 0.2% annual chance floodplain.
- **ZONE D** — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- Floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities
- 513 (EL 987) — Base Flood Elevation line and value; elevation in feet*
- Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- A — A — Cross section line
- 23 — 23 — Transect line
- 97°07'30", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) HARN, Western Hemisphere
- 4275000mE — 1000-meter Universal Transverse Mercator grid ticks, zone 17
- 6000000 FT — 5000-foot grid values: South Carolina State Plane coordinate system (FIPSZONE = 3900), Lambert projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORIES
Refer to Map Repositories List on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
July 17, 1995

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
February 6, 2000 - to change Base Flood Elevations, to add Base Flood Elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to add roads and road names, to incorporate previously issued Letters of Map Revision, and to reflect updated topographic information.

July 5, 2018 - to update corporate limits, to change Base Flood Elevations, to add Base Flood Elevations, to change Special Flood Hazard Areas, to change zone designations, to update roads and road names, to incorporate previously issued Letters of Map Revision, to reflect updated topographic information, to change floodway, and to advance suffix.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

200 0 200 400 600 800 FEET
100 0 100 200 METERS

NFIP NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0252J

FIRM

FLOOD INSURANCE RATE MAP

LEXINGTON COUNTY, SOUTH CAROLINA AND INCORPORATED AREAS

PANEL 252 OF 555

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
LEXINGTON COUNTY	450129	0252	J
LEXINGTON, TOWN OF	450134	0252	J

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

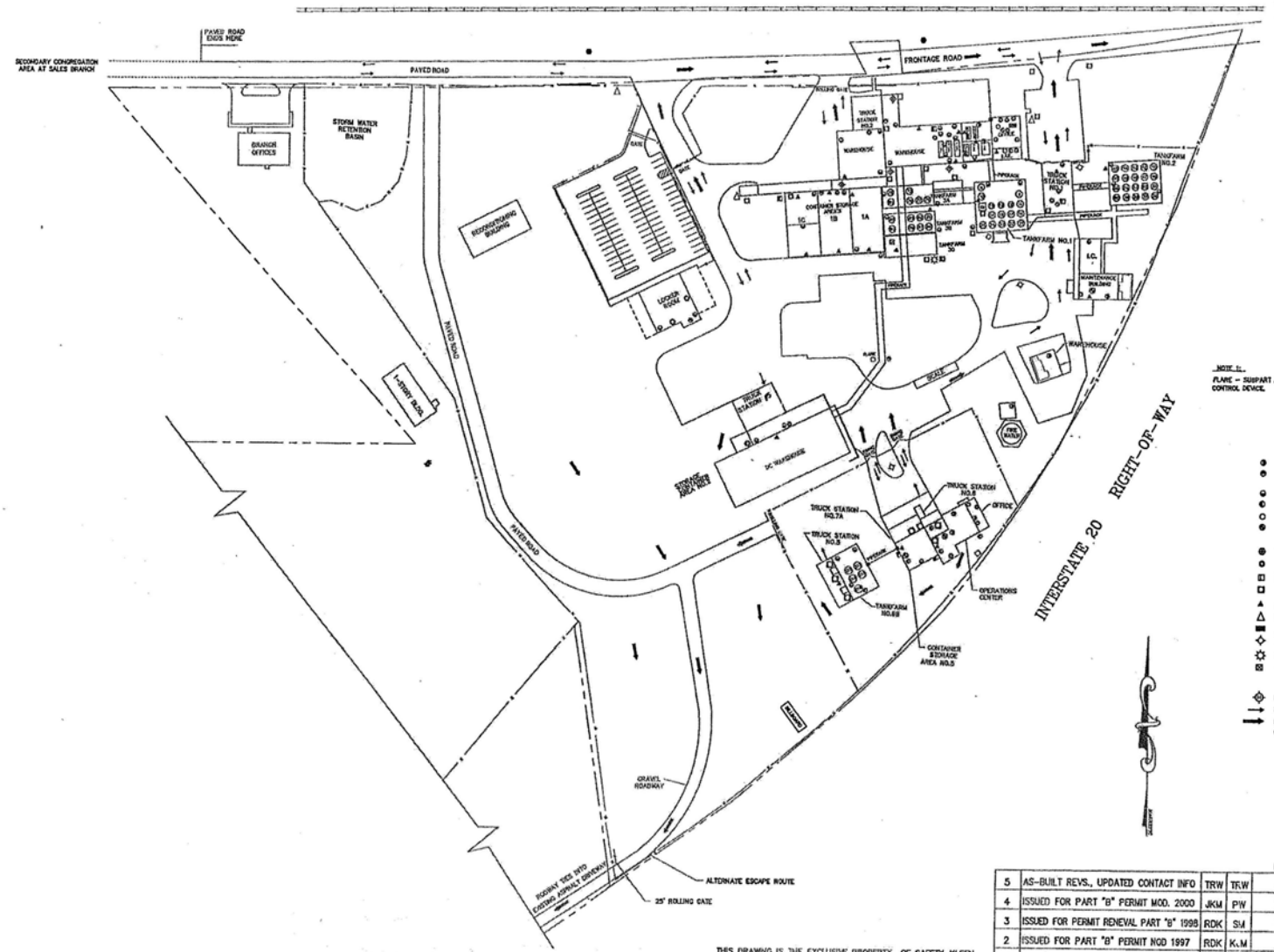
MAP NUMBER
45063C0252J

MAP REVISED
JULY 5, 2018

Federal Emergency Management Agency

Exhibit 5-1

NORFOLK SOUTHERN RAILWAY



NOTE 1:
FLARE – SUSPART AA PROCESS EMISSION CONTROL DEVICE.

LEGEND

- DRY CHEMICAL FIRE EXTINGUISHER – HAND HELD TYPE (10# ABC)
- DRY CHEMICAL FIRE EXTINGUISHER –CART TYPE W/150# CHARGE BOTTLE (150# ABC)
- DRY CHEMICAL FIRE EXTINGUISHER –HAND HELD TYPE (20# ABC)
- DRY CHEMICAL FIRE EXTINGUISHER – HAND HELD TYPE (5#)
- CARBON DIOXIDE (10#)
- FIRST-AID KIT
- FIRE HYDRANT
- TELEPHONE
- EMERGENCY RESPONSE BOXES ALSO CONTAINS SPILL KITS
- ABSORBENT DRUMS
- EMERGENCY EYE WASH AND SHOWER
- STORM DRAIN WITH SLUICE GATE
- FIRE BLANKET & STRETCHER
- FIRE SUPPRESSION WATER CANONS
- 125# AFFF WHEELED 8x
- SME UNIT
- FIRE HOSE
- EXIT
- EMERGENCY EVACUATION ROUTES (LOCATIONS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY)

REF. EXHIBIT G-1

EXHIBIT 5-1

DF-E9201085

NO.	DESCRIPTION	BY	CK.	APPR.	DATE
5	AS-BUILT REVS., UPDATED CONTACT INFO	TRW	TRW		6/12/96
4	ISSUED FOR PART "B" PERMIT MOD. 2000	JKM	PW		2/07/01
3	ISSUED FOR PERMIT RENEVAL PART "B" 1998	RDK	SM		2/20/98
2	ISSUED FOR PART "B" PERMIT MOD 1997	RDK	KJM		2/20/97
1	ADDED NEW PROPERTY AQUISITION	M.O'C	KJM		3/25/93
0	NEW RELEASE	RDK	KJM		1/28/92

REVISIONS

EXISTING EMERGENCY EQUIPMENT LOCATION, TRAFFIC FLOW AND EVACUATION ROUTES

SAFETY-KLEEN CORP.

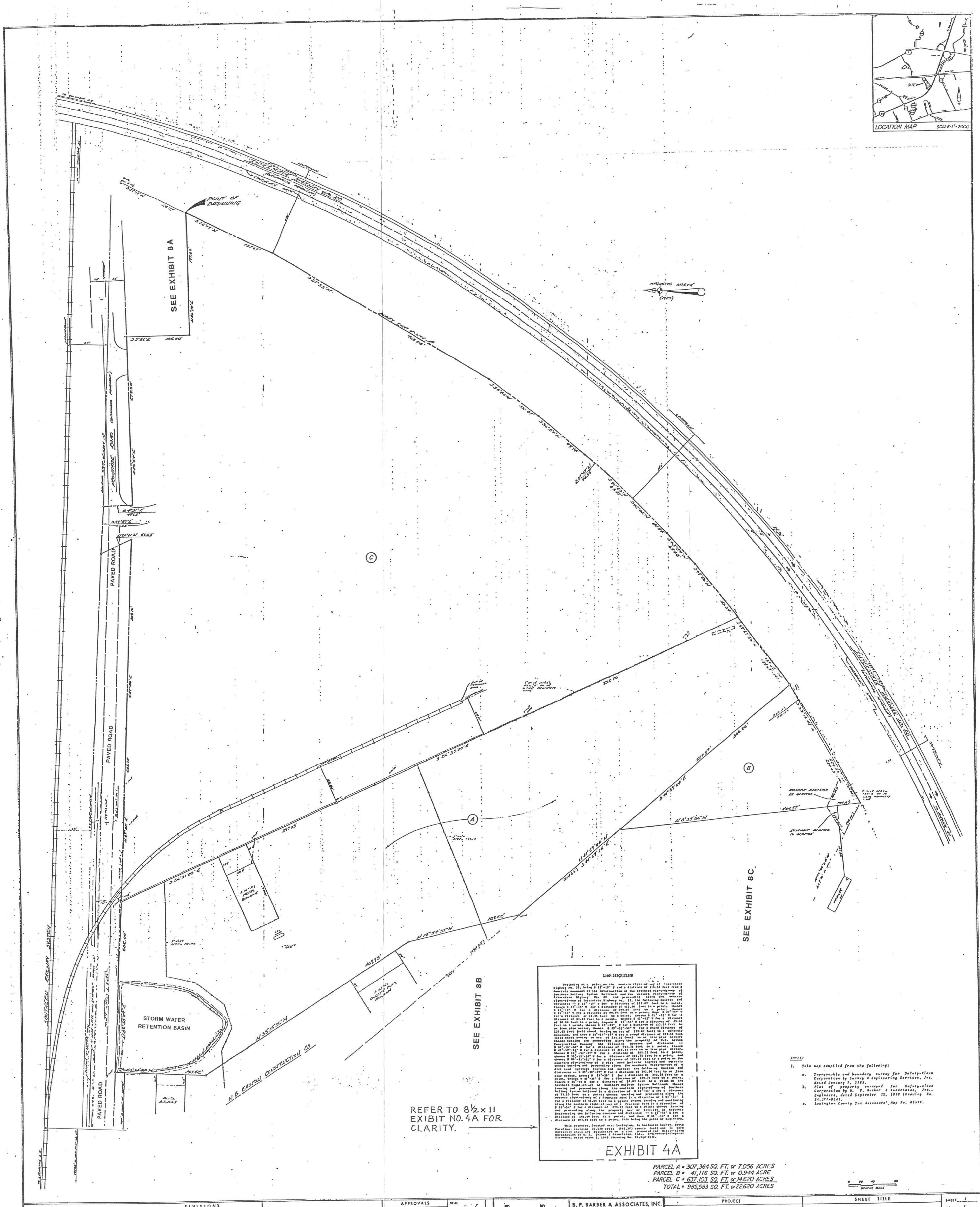
1500 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR.	DATE
1" = 80'	RDK				5/11/90

LEXINGTON, S.C. RECYCLE CENTER

DRAWING NO. 92-6300B-010 REV 5

Exhibit 8



B. P. BARBER & ASSOCIATES, INC.
ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 1116
COLUMBIA, S.C.

PROJECT: SAFETY-KLEEN CORPORATION
NEAR LEXINGTON, IN LEXINGTON COUNTY, S.C.

SHEET TITLE: PLAT PREPARED FOR

EXHIBIT 8
RCRA PART B PERMIT DRAWING

NO.	DESCRIPTION	BY	CHK.	APPR.	DATE
1	ISSUED FOR PART "B" PERMIT NOD 1997	MCO			012997
0	NEW RELEASE	M.O'C	KJM		1/29/92

REVISIONS

TITLE: **PROPERTY SURVEY**

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

LEXINGTON S.C. RECYCLE CENTER

DRAWING NO. 92-6300B-009 REV. 1

EXHIBIT 8
DRAWING NO. 92-6300B-009 REV. 1

N/F
SAFETY KLEEN CORP.
TMS 5596-01-05
D.B. 703, PG. 17

WATER WELL (ABANDON)

IP (F) REBAR

S 86°14'00" W 197.64'

FENCE typ.

IP(F) REBAR

GUARD POST

6.40'

10.25'

MONITORING WELL

9.14'

12.5'

INTERSTATE 20 (300' R/W)

S 22°23'15" W

118.48'

40.4' CONCRETE BLOCK OFFICE

ONE STORY METAL BUILDING

0.541 ACRES
23,567 SQ. FT.

104.41'

N 03°54'13" W

25.32'

19.9'

100.5'

67.5'

14.6'

DIRT DRIVE

SEPTIC TANK (approx. loc.)

GUARD POST

DIRT DRIVE

MONITORING WELL

32.43'

TELEPHONE PEDESTAL

FENCE typ.

R/W MON. (F)

N 85°47'19" E 250.12'

PP

P

IP (F) PINCH TOP

WATER METER

190' TO ℄ I-20

W

TELEPHONE PEDESTAL

18" RCP

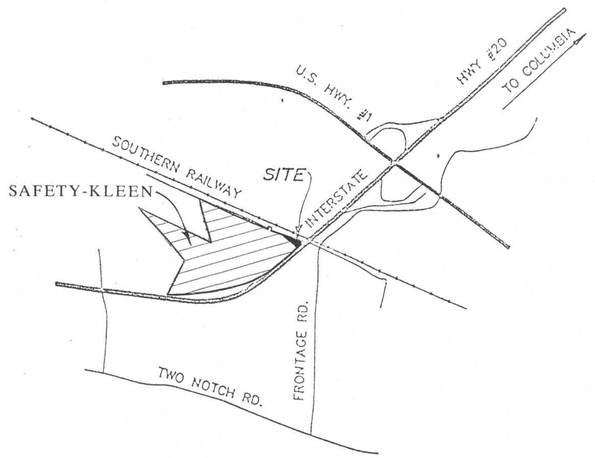
24" RCP

CATCH BASIN

U/GT

MANHOLE

FRONTAGE ROAD (58' R/W)



VICINITY MAP
N.T.S.

N/F
SAFETY KLEEN CORP.
TMS 5596-01-05
D.B. 703, PG. 17

PLAT FOR
SAFETY KLEEN CORPORATION
LEXINGTON COUNTY, NEAR LEXINGTON, S.C.

I HEREBY CERTIFY THAT I HAVE CONSULTED THE FEDERAL INSURANCE ADMINISTRATION FLOOD HAZARD BOUNDARY MAP AND FOUND THAT THE ABOVE DESCRIBED IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA PER FEMA PANEL 450129-0255-B DATED JUNE 15, 1981.

I HEREBY STATE THAT TO BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINIMUM STANDARDS MANUAL FOR THE PRACTICE OF LAND SURVEYING IN SOUTH CAROLINA AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "A" SURVEY AS SPECIFIED THEREIN, ALSO THERE ARE NO VISIBLE ENCROACHMENTS OR PROJECTIONS OTHER THAN SHOWN.

JANUARY 26, 1993

KENNETH C. SIGLER, RLS 9763

REF:
TOPOGRAPHIC AND BOUNDARY SURVEY FOR SAFETY KLEEN CORP. BY SURVEY AND ENGINEERING SERVICES, INC. DATED 01-07-85.

PLAT FOR STEEL SPECIALTY CORP. PREPARED BY JOHN K. DAVIS, DATED 07-27-68

PLAT FOR SAFETY KLEEN CORP. PREPARED BY JOHN K. DAVIS DATED 12-17-74.

S.C.H.D. DOCKET NO. 32,455 - SHEET 86 OF 320.

NOTE:
THE HEREON SHOWN IS SUBJECT TO ANY AND ALL CONDITIONS, RESTRICTION, EASEMENTS AND RIGHTS-OF-WAY AFFECTING SAID PROPERTY.

REF. PLAT BY SURVEY & ENGINEERING INC. DATED 01-09-85

MAGNETIC

NO.	DESCRIPTION	BY	CK	APPR	DATE
1	ISSUED FOR PART "B" PERMIT NOD 1997	MCO	KJM		013197
0	ISSUED FOR PART 'B' PERMIT NOD	RDK			9/27/93

REVISIONS

POWER ENGINEERING COMPANY, INC.
ENGINEERS - PLANNERS - SURVEYORS

RCRA PART B
PERMIT DRAWING

EXHIBIT 8A

PROPERTY SURVEY

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

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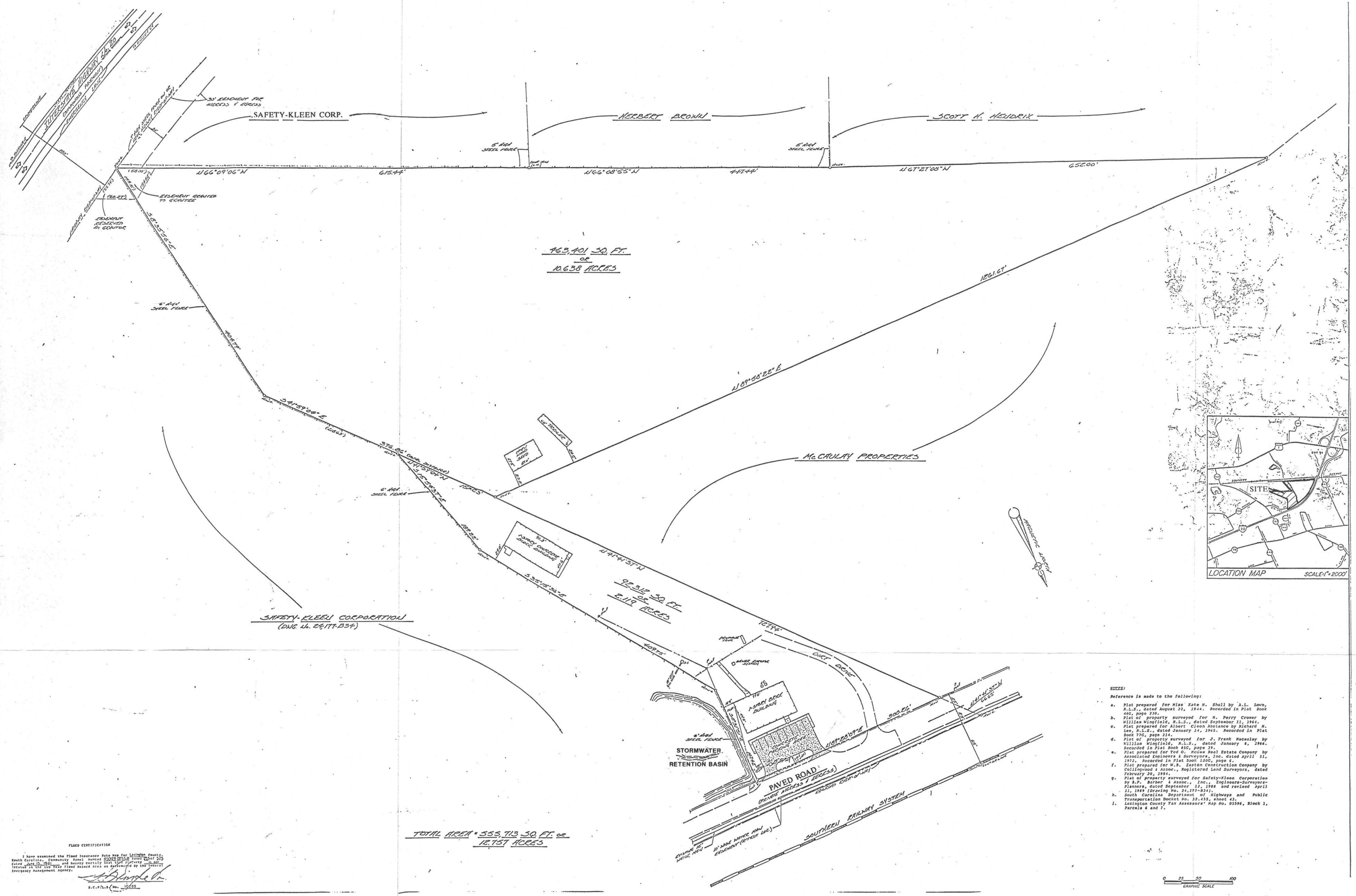
LEXINGTON RECYCLE CENTER

DRAWING NO. 92-6300B-012

REV 1



NOTES:

Reference is made to the following:

a. Plat prepared for Miss Kate H. Shull by A.L. Lown, R.L.S., dated August 22, 1944. Recorded in Plat Book 46G, page 230.
b. Plat of property surveyed for H. Perry Cromer by William Wingfield, R.L.S., dated September 11, 1964.
c. Plat prepared for Albert Cleon Abstance by Richard H. Lee, R.L.S., dated January 14, 1965. Recorded in Plat Book 77G, page 214.
d. Plat of property surveyed for J. Frank Macaulay by William Wingfield, R.L.S., dated January 8, 1966. Recorded in Plat Book 85G, page 39.
e. Plat prepared for Ted O. McGee Real Estate Company by Associated Engineers & Surveyors, Inc. dated April 11, 1972. Recorded in Plat Book 120G, page 6.
f. Plat prepared for W.B. Easton Construction Company by Collingwood & Assoc., Registered Land Surveyors, dated February 20, 1984.
g. Plat of property surveyed for Safety-Kleen Corporation by B.P. Barber & Assoc., Inc., Engineers-Surveyors-Planners, dated September 12, 1988 and revised April 11, 1989 (Drawing No. 24,177-B34).
h. South Carolina Department of Highways and Public Transportation Docket No. 32.455, sheet 43.
i. Lexington County Tax Assessors' Map No. 05596, Block 1, Parcels 6 and 7.

FLOOD CERTIFICATION

I have examined the Flood Insurance Rate Map for Lexington County, South Carolina, Community Panel Number 450129 0255 B Panel 255 of 525 dated June 15, 1981 and hereby certify that this property is not located in the 100 Year Flood Hazard Area as determined by the Federal Emergency Management Agency.

S.C.P.L.S. No. 10289

"I hereby certify that the ratio of precision of the field survey is 1/49,562' as shown hereon and the area was determined by the coordinate method of area calculation."

By: H.B. Dingle, Jr. No. 10289
S.C. Professional Land Surveyor

APPROVALS	
PROJECT ENGR :	
DESIGNED BY :	
DRAWN BY :	KCH
CHECKED BY :	HBD
APPROVED BY :	HBD

SEAL:

B. P. BARBER & ASSOCIATES, INC.
ENGINEERS • SURVEYORS • PLANNERS
2611 FOREST DRIVE
P.O. BOX 1116
COLUMBIA, S. C. 29202
803 – 254-4400

RCRA PART B
PERMIT DRAWING

EXHIBIT **8B**

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO SAFETY–KLEEN CORP. ANY REPRODUCTIONS, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY–KLEEN OR AS SAFETY–KLEEN MAY AGREE IN WRITTING.

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REVISIONS

PROPERTY SURVEY

SAFETY–KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

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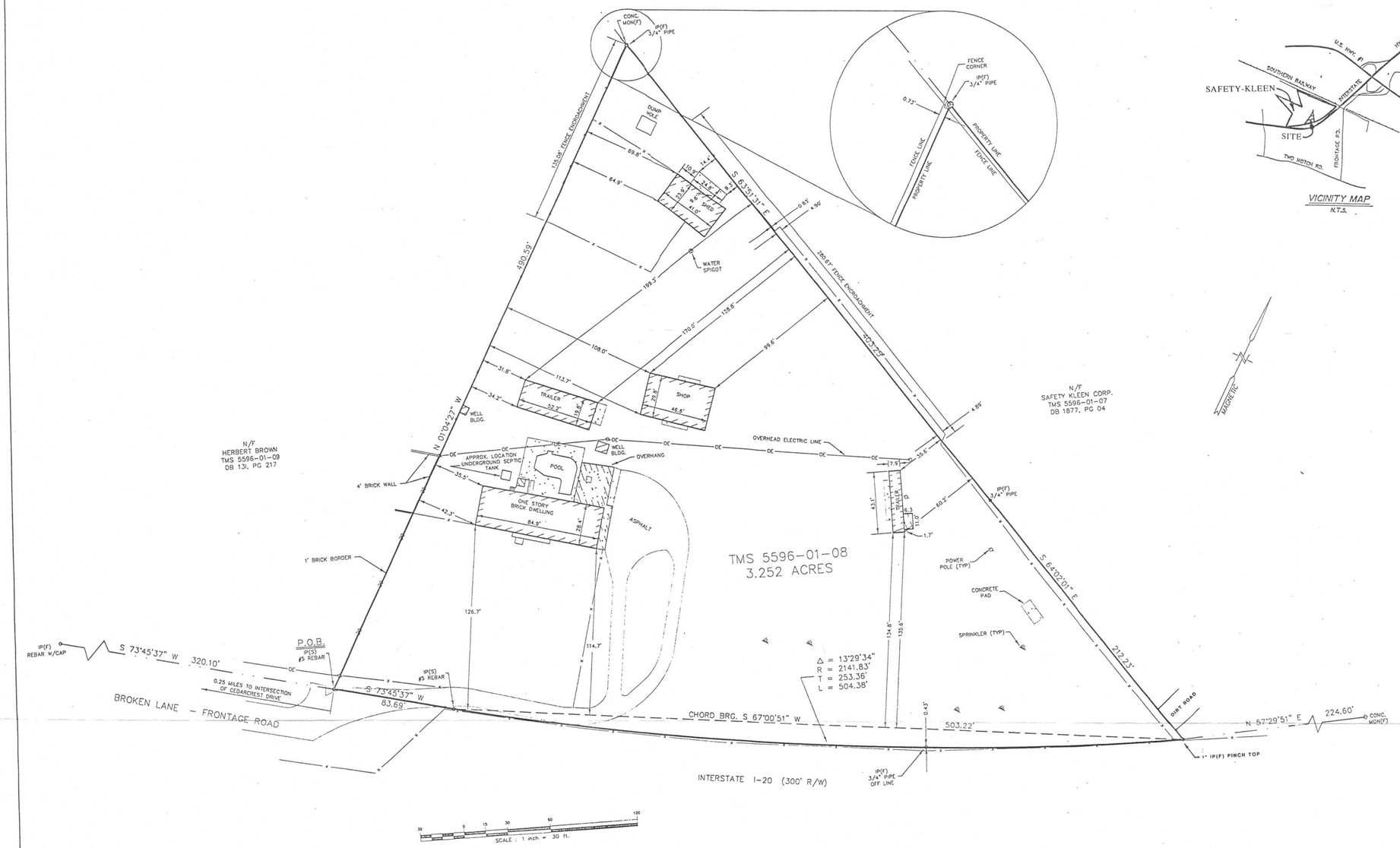
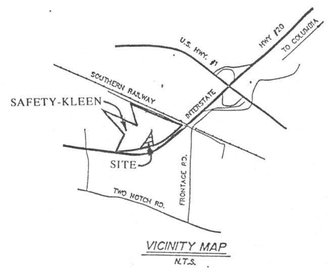
LEXINGTON RECYCLE CENTER

DRAWING NO. 92-6300B-013 REV 1





VICINITY MAP
N.T.S.

METES AND BOUNDS DESCRIPTION

ALL THAT CERTAIN PIECE, PARCEL, OR TRACT OF LAND LYING AND BEING SITUATED IN LEXINGTON COUNTY, NEAR LEXINGTON, SOUTH CAROLINA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A NEW #5 REBAR, LOCATED ON THE NORTHERN SIDE OF I-20 FRONTAGE ROAD (BROKEN LANE) APPROXIMATELY 0.25 MILES EAST OF ITS INTERSECTION WITH CEDARCREST DRIVE, AND RUNNING THENCE, N 01° 04'27"W ALONG PROPERTY N/F OF HERBERT BROWN FOR A DISTANCE OF 490.59 FEET TO AN OLD 3/4" IRON PIPE; THENCE, S 63°51'31" E ALONG PROPERTY N/F OF SAFETY KLEEN CORP. FOR A DISTANCE OF 403.25 FEET TO AN OLD 3/4" IRON PIPE; THENCE, CONTINUING ALONG SAID PROPERTY S 64°02'01" E FOR A DISTANCE OF 212.23 FEET TO A 1" PINCHED TOP PIPE AT THE R/W OF INTERSTATE 20; THENCE ALONG SAID R/W ALONG A CIRCULAR CURVE TO THE RIGHT HAVING A RADIUS OF 2141.83 FEET, AN ARC LENGTH OF 504.38 FEET, AND BEING SUBTENDED BY A CHORD OF S 67°00'51" W, 503.22 FEET TO A NEW #5 REBAR; THENCE, CONTINUING ALONG SAID R/W S 73°45'37" W FOR A DISTANCE OF 83.69 FEET TO THE POINT AND PLACE OF BEGINNING, CONTAINING 3.252 ACRES, MORE OR LESS.

NOTES:

THE FOLLOWNG EASEMENTS, LISTED IN SCHEDULE B - SECTION 2 OF TITLE COMMITMENT NO. 20-183, DATED JUNE 4, 1993, AND PROVIDED TO US BY DOOLEY, DOOLEY, SPENCE, & PARKER, P.A., CANNOT BE ACCURATELY LOCATED BASED ON THEIR DESCRIPTION, BUT DO NOT APPEAR TO AFFECT THE PROPERTY SHOWN HEREON:

DEED BOOK 11-E, PAGE 24	-	DIXIE PIPELINE COMPANY
DEED BOOK 11-E, PAGE 235	-	DIXIE PIPELINE COMPANY
DEED BOOK 11-E, PAGE 237	-	DIXIE PIPELINE COMPANY
DEED BOOK 7-O, PAGE 144	-	SOUTH CAROLINA ELECTRIC & GAS COMPANY
DEED BOOK 7-O, PAGE 145	-	SOUTH CAROLINA ELECTRIC & GAS COMPANY

REF:

"PLAT OF PROPERTY SURVEYED FOR M. PERRY CROMER"
PREPARED BY WILLIAM WINGFIELD, DATED SEPT. 11, 1964
AND RECORED IN THE LEXINGTON COUNTY R.M.C. OFFICE;
PLAT BOOK 76-G, PG. 73

"PLAT PREPARED FOR ALBERT CLEOH ADSTANCE"
PREPARED BY RICHARD M. LEE, DATED JAN. 14, 1965
AND RECORDED IN THE LEXINGTON COUNTY R.M.C. OFFICE;
PLAT BOOK 77-G, PG. 214

"PLAT PREPARED FOR ALBERT CLEOH ADSTANCE"
PREPARED BY RICHARD MILEE, DATED DEC. 17, 1964
AND RECORDED IN THE LEXINGTON COUNTY R.M.C. OFFICE;
PLAT BOOK 77-G, PG. 215

"PROPERTY SURVEY, SAFETY KLEEN CORP."
PREPARED BY B.P. BARBER AND ASSOCIATES,
DATED SEPT. 12, 1988 AND RECORDED IN THE LEXINGTON
COUNTY R.M.C. OFFICE; PLAT BOOK 230, PG. 80,81

I HEREBY STATE THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREON WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINIMUM STANDARDS MANUAL FOR THE PRACTICE OF LAND SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "A" SURVEY AS SPECIFIED THEREIN.

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE (I) IN ACCORDANCE WITH THE "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA AND ACSM LAND TITLE SURVEYS", JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND ACSM IN 1992, AND INCLUDES ITEMS _____ OF TABLE "A" THEREOF, AND (II) PURSUANT TO THE ACCURACY STANDARDS (AS ADOPTED BY ALTA AND ACSM AND IN EFFECT ON THE DATE OF THIS CERTIFICATION) OF AN URBAN SURVEY.

KENNETH C. SIGLER, RLS #9763

SOUTH CAROLINA
POWER ENGINEERING COMPANY, INC.
No. C00195
CERTIFICATE OF AUTHORIZATION

RCRA PART B
PERMIT DRAWING

EXHIBIT **8C**

PREPARED BY
POWER ENGINEERING COMPANY, INC.
ENGINEERS - PLANNERS - SURVEYORS
P.O. BOX 2566 COLUMBIA, SOUTH CAROLINA 29202-2566
PH:(803)799-7600 FAX (803)779-2924

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REVISIONS

PROPERTY SURVEY

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

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LEXINGTON RECYCLE CENTER

DRAWING NO. 92-6300B-014 REV 1

Section C

Table of Contents

C WASTE CHARACTERISTICS

The Lexington Recycle Center specializes in the receipt, storage, recovery and recycling of spent solvents as well as other organic and associated wastes. Therefore, the facility accepts and manages a wide variety of wastes of various hazardous characteristics. The waste streams managed at the facility typically are designated hazardous by the USEPA and the SCDHEC due to their ignitability and/or toxicity.

This section describes the hazardous wastes that are handled at the Lexington facility. The Waste Analysis Plan is appended to this section. Appendix C is the Waste Analysis Plan for the Safety-Kleen Lexington facility.

C-1 CHEMICAL/PHYSICAL ANALYSIS (of Wastes Stored)

The types of hazardous and non-hazardous waste streams managed at the Lexington facility include solvents and solvent containing wastes, oils and oil bearing materials, industrial and automotive coolants, and other wastes which are amenable to recycling by reclamation or blending into useable fuels, or can be safely managed and stored at the facility before being shipped to another appropriate waste facility.

The following sub-sections describe the types of wastes from the various sources and are followed by Table 4 in Appendix C which is a list of the EPA waste codes accepted at the facility. This table also lists the description of each waste code as to their basis for hazardous designations, waste specific parameters, and other information required for safe operation of container storage.

Before a hazardous waste stream is accepted at the facility for processing on-site or for subsequent shipment to a third party (non-Safety Kleen or Clean Harbors) facility for management, laboratory testing must be performed on the waste to categorize the waste into its specific waste code and deem it acceptable or unacceptable for management. Specific laboratory testing will be performed on various wastes received at this facility. Table 2 in Appendix C lists the laboratory analysis to be performed on each waste stream.

C-1a CONTAINERS

Section 2.2.1 of Appendix C addresses the procedure and various information Safety Kleen uses to accept and process containerized wastes.

Safety-Kleen will store wastes and waste residues generated on site in containers appropriate for shipment off site to a permitted facility for treatment and/or disposal. In accordance with R.61-79.264.172, Safety-Kleen will use containers made of or lined with materials which will not react with, and are otherwise compatible with the hazardous waste to be stored, so that the ability of the container to contain the waste is not impaired. Precautions will also be taken to comply with R. 61-79.264.17(b).

C-1 b TANKS

Section 2.2.1 of Appendix C addresses the procedure and various information Safety-Kleen uses to accept and process wastes placed in tanks. Procedures will be taken to comply with R.61-79.264.17(b). The tanks are capable of holding all wastes placed in them without risk of failure.

C-2 WASTE ANALYSIS PLAN

The Waste Analysis Plan for the Lexington Recycle Center is provided in

Appendix C. This plan outlines the steps taken to ensure that the facility has sufficient information to verify the generator-provided information on the waste's characteristics. As most wastes received and processed by the facility are designated as characteristic, D, K or F-wastes, the plan focuses on analyses designed to categorize the waste according to those codes.

C-2a PARAMETERS AND RATIONALE

Listed in Table 1 of Appendix C are the parameters and rationale used for hazardous waste analysis at the Facility.

C-2b TEST METHODS

Test methods to be used at the facility to analyze a representative sample are listed in Table 1 of Appendix C. Analyses will be performed using methods identified in SW-846 (latest edition) or equivalent methods.

C-2c SAMPLING METHODS

Located in Table 1 of Appendix C are the sampling methods and equipment used to collect representative waste samples.

C-2d FREQUENCY OF ANALYSIS

At various time intervals samples must be taken and analyzed as per R61-79.264.13(b) (4). The frequency of analysis for various waste streams that the Facility accepts is located in Table 3 of Appendix C.

C-2e ADDITIONAL REQUIREMENTS FOR WASTES GENERATED OFF SITE

The previously described program applies to this section because this is a commercial hazardous waste recycling facility which handles materials generated off site.

C-2f ADDITIONAL REQUIREMENTS FOR FACILITIES HANDLING IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTE

Prior to bulking materials from individual waste streams into a receiving container, the Lab Manager or his designee will review each pre-acceptance evaluation or packing list for the waste which is to be bulked. The pre-acceptance evaluation and packing lists are reviewed for incompatible constituents and waste specific parameters.

No ignitable or reactive wastes will be stored within 50 feet of the property line. Wastes will not be mixed or placed in containers or tanks which hold or had previously held incompatible materials.

C-3 ADDITIONAL WASTE ANALYSIS REQUIREMENTS PERTAINING TO LAND DISPOSAL RESTRICTIONS

A description of Safety-Kleen's acceptance procedure of land disposal restrictions is addressed in Section 6.0 of Appendix C.

APPENDIX C

SAFETY-KLEEN SYSTEMS, INC.
LEXINGTON, SC RECYCLE CENTER

WASTE ANALYSIS PLAN

WAP Table of Contents

TABLES

ATTACHMENTS

1.0 INTRODUCTION

Safety-Kleen Systems, Inc., Lexington, SC (SK) provides solvent distribution, collection, and reclamation services as well as storage in containers and tanks over all sectors of industry. As an additional safeguard, SK personnel are instructed to inspect the outsides of containers and the Lexington facility collects QA/QC samples from each hazardous waste stream prior to accepting them for reclamation and/or storage. This mode of operation has been proven to safeguard the recycling process and maintain a quality product as well as providing safe and secure storage.

This document presents the Waste Analysis Plan for the SK Lexington Recycle Center. The Waste Analysis Plan describes the sampling procedures, the monitoring of waste shipments, and the quality assurance and quality control program to be followed to safely and effectively handle, store and process wastes accepted at the Lexington facility. The purpose of the Waste Analysis Plan is to verify the information provided by the generator, to ensure the safe and effective handling of the wastes; and to protect the health and safety of the facility's personnel, as well as the general public. This information is submitted in accordance with the requirements of 40 CFR and R61-79.270.14(b).

2.0 RECEIPT CONTROL AND ACCEPTANCE

Proper knowledge of the characteristics and quality control of the material received at the Lexington facility is of major importance to the safe and effective handling, storage, and processing of the accepted wastes. The QA/QC process includes but not limited to evaluation of the waste volume, appearance, and consistency. SK's personnel are familiar with the characteristics of all wastes. As detailed in the following document SK has established specific criteria for wastes managed at their facilities based on known characteristics and completed waste material profiles completed by the original generator of the waste. If a particular container of waste does not meet the established acceptance criteria, the appropriate SK representative will contact the generator regarding any non-conformance and the material will be handled properly (in accordance with all applicable regulations) from that point forward. The waste may be rejected back to the generator after it is properly identified or alternately the customer may choose to dispose of the material by using another (non-SK) facility.

In order to properly identify the waste it will be sampled for further analysis in the SK onsite laboratory. The laboratory testing involves analyzing the suspect waste for a range of compounds related to the process producing the waste (e.g., volatile organics, halogenated organics, PCBs, etc.). If the laboratory analysis reveals the waste does not contain contaminants not able to be stored or processed by SK, The Lexington facility will correct all necessary paperwork and accept the waste from the customer. If the laboratory confirms the waste contains compounds not able to be managed by SK the generator will be responsible for securing alternate disposal options.

The above acceptance criteria enable Safety-Kleen to ensure the wastes being received at the facility are acceptable wastes and do not contain unacceptable contaminates. Receipt control consists of at least two steps: waste stream pre-qualification and shipment receipt control analysis.

2.1 WASTE STREAM PRE-QUALIFICATION

S-K requires knowledge of each particular waste before handling, storing or recycling materials. This is achieved through historical data, knowledge of the industry or by analytical testing for each waste stream.

Onsite recycled wastes include used parts washer solvent (mineral spirits). In these services, SK provides the parts washing equipment and clean solvent; collects the spent solvent, recycles the solvent and returns the recycled solvent back to commerce.

Waste streams received for storage and not recycled at the facility result from a wide sector of industrial services and processes producing waste byproducts. Due to the greater variability in the compositions; their application or use; and the source industry, SK characterizes each stream from each generator separately. When an industrial source waste stream is considered, the generator provides S-K with a waste material profile which contains specific information about the waste stream. A sample of such a waste material profile is illustrated on Attachment C-1 of this WAP. Other forms with good information may be utilized to supplement the completed waste material profile.

The waste material profile information is required by SK to make a technical judgment as to whether the proposed waste stream meets operational and permit criteria. Many different factors go into determining whether or not a material will be accepted by the facility. Standard Operating Procedures (SOP's) have been developed and are implemented for the qualification of a waste stream being received by the facility. The procedures outline the approach to be applied to waste streams being considered for acceptance as recoverable or stored. The purpose of the Standard Operating Procedures serves as a guide for those interacting with potential customers as to what information will be required for the waste to be approved for acceptance at SK; define the analyses to be performed if necessary on each waste stream and describe the criteria by which any information might be waived or modified. Safety-Kleen has a Central Profile Group that includes a technical support staff and chemists who are responsible for determining a material's eligibility for acceptance into the Safety-Kleen network of facilities.

The procedures are to be used by SK laboratories when considering waste streams for evaluation, prior to qualification of the waste stream for shipment to a SK facility. The final decision as to acceptability of the waste stream by SK is based on the waste characterization obtained from the survey and:

1. Permit limitations and conditions;
2. Safety and health provisions;
3. Process/storage capability and availability;
4. Storage volume availability

See Attachment C-1 for an example process flow for waste material profile approvals. The information format may be modified from time to time to improve its usefulness or data accessibility.

2.2 SHIPMENT RECEIPT

2.2.1 Acceptance Procedures

Having previously determined, through surveying the generator and any pre-qualification requirements that the waste is acceptable, the second receipt control step occurs upon actual delivery

to the Lexington facility. When a shipment arrives at the facility, the manifest(s) and containers included in the shipment is (are) reviewed for completeness and for accuracy against the material actually arriving at the facility. Information that is checked includes:

Generator Name, Address, EPA ID and Phone Number

Transporter Name and EPA ID

Facility Name, Address. EPA ID and Phone Number

DOT Waste Description

US. EPA Waste Code(s)

Quantity

Names, Signature and Date of Generation and Transport

Inspection for leaks or other packaging problems.

See Attachment C-2 for hazardous waste acceptance process flow. If a problem is identified the facility office and the generator are notified, and appropriate measures are taken.

In accordance with regulations concerning manifesting, any significant discrepancy that is discovered is first discussed with the generator. If it cannot be reconciled, but the material can otherwise be accepted, a manifest discrepancy report is filed with the SC DHEC and a copy sent to the generator. The shipment must be rejected or shipped to an alternate treatment or disposal site under direction of the generator if the material is determined to be unacceptable for storage and/or processing at the Lexington Recycle Center.

If all regulatory paperwork is in order and it is determined the shipment can be received, the manifest is signed and a copy of the manifest is given or sent to the transporter. Within 30 days of delivery, a copy of the completed manifest is uploaded to USEPA's electronic manifest system where it is accessible to the waste generator as well as other authorized to access EPA eManifest system.

When a bulk load is accepted, it is assigned to a storage tank and off-loaded into that tank. The facility maintains records of the receiving tank for each off-loaded shipment. It also maintains current data on the contents of each tank. A material will not be placed in a tank system if the material could cause the tank system to rupture, leak, corrode, or otherwise fail, or if the tank contains incompatible materials.

When a containerized (drum) load of industrial waste is accepted, the visual inspection ensures a barcode has been applied on each container/drum, and the containers are transferred from the unloading area to one of the permitted drum storage areas. An entry as to the specific storage area used for each shipment is made on the receipt control form. Containerized liquid waste is stored inside a permitted container storage area with secondary containment.

2.2.2 Sampling, Sample Handling and Record-Keeping

SK uses standard procedures for sampling hazardous wastes. The methods and equipment used in sampling materials are based on 40 CFR and R61-79, Part 261, Appendix I.

The methods and equipment used for sampling waste materials will vary with the form and consistency of the waste materials to be sampled. Upon receipt, sample collection uses the sampling protocols listed below:

1. Extremely viscous liquid - ASTM Standard D140
2. Crushed or powdered material - ASTM Standard D346,
3. Soil or rock-like material - ASTM Standard D420, Soil-like material - ASTM Standard D1452,
4. Fly-ash-like material - ASTM Standard D2234,
5. Containerized liquid wastes - “COLIWASA” described in “Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods”, SW846, U.S. Environmental Protection Agency, Office of Solid Waste.

Table 1 presents the sampling equipment and methods used by SK for sampling hazardous wastes. When a customer offers for transportation any waste to be received by SK is required to certify that the sample is representative of the waste generated.

Bulk shipments that will be processed on-site or will be subsequently shipped to a third party (non-Safety-Kleen or Clean Harbors) facility for management are sampled individually. Drums that are received for processing on-site or for subsequent shipment to a third party (non Safety-Kleen or Clean Harbors) facility for management will be sampled. Bulk shipments and containers that are received but will not be processed for recycling on-site and will be shipped to Safety-Kleen or Clean Harbors facilities for subsequent management will not be subject to sampling or analysis. Container samples are composited according to waste description (e.g., different containers of USEPA and SCDHEC waste codes from various generators may be compositely sampled). A maximum of twenty (20) drums is represented in a composite sample analyzed for the primary analyses. If the primary analyses identify a problem, the composite is broken down as described below, until the problem drum(s) can be determined. The waste contained in the drums is not composited into bulk tanks until the results of the primary analysis are received.

In cases where composites of drum samples are made for the purposes of analysis, should the analysis identify non-conforming waste material or a problem in its character and a suspect shipment cannot be identified, a new composite of half of the first drum sample count is made and analyzed. This composite-halving process is done until the problem source is identified. If the analysis identifies a problem with a bulk load, the shipment will be resampled and tested. If the problem is confirmed, the generator will be notified, and the load rejected or sent to an alternate TSD facility for management. If the material was delivered in containers and the analyses identify a problem with the contents of the day receipts holding tank, the tank is quarantined until the problem source is identified and/or appropriate disposal arrangements can be made.

The following paragraphs describe the sample handling procedures for the Lexington facility once a representative sample has been collected. Prior to and during analysis, samples are stored in the laboratory or laboratory storage area. The label information recorded from the shipment papers and

containers themselves assures that samples are properly tracked and easily identified. The sample label identifies the company name, waste type, sample date, purchase order number or SK control number and the sampler.

A record of all samples received by the laboratory is kept either by logbook, or computerized data base. Each sample is identified by number, customer or source, waste type, and date received. Various analytical testing is performed on the waste samples. Table 2 shows the various tests that are performed on different waste categories. Upon completion of lab analysis, the analyst dates and signs the log entry. The results from the analytical testing are recorded on standard SK worksheets and forms. Typical examples of these worksheets and forms are provided in Attachment C-2.

Hazardous waste samples are retained for at least sixty (60) days after the analysis is completed and are then disposed of in accordance with federal and local regulations at an offsite approved and permitted hazardous waste facility.

2.2.3 Receipt Analysis

The facility is permitted to accept certain USEPA waste codes. A list of the hazardous waste codes that can be accepted at the facility are listed in Table 4. Therefore, primary tests have been developed to establish conformance with those waste codes.

The wastes received may exhibit a wide variety of hazardous characteristics. The primary purpose of sampling and analysis upon receipt is to confirm that the site is receiving the material described on the waste manifest and the material can be safely handled. A number of checks and reviews of a shipment are performed when the shipment is received at the facility. In addition to the paperwork, labels, descriptions and permit checks, a receipt analysis is done on wastes which will be processed on-site or shipped to third party (non Safety-Kleen or Clean Harbors) facilities for management. Once samples are obtained from the shipment, they are submitted to the facility laboratory for composite or individual analysis. The laboratory then conducts the appropriate tests, as described in **Table 2**.

In cases where composites of drum samples are made for the purposes of analysis, should the analysis identify non-conforming waste material or a problem in its character and a suspect shipment cannot be identified, a new composite of half of the first drum sample count is made and analyzed. This composite halving process is done until the problem source is identified. If the analysis identifies a problem with a bulk load, the shipment will be resampled and tested. If the problem is confirmed, the generator will be notified and the load rejected or arrangements be made to ship the material to a permitted and approved hazardous waste treatment or disposal facility. If the material is in containers and the analyses identify a problem with the contents of the day receipts holding tank, the tank is quarantined until the problem source is identified and/or appropriate disposal arrangements can be made.

2.2.3.1 Waste Generated By the Facility

Regulations (40 CFR and R61-79. 262) that govern safe and effective management of waste require that a generator must determine if that waste is a hazardous waste. To do this, the generator must first determine if the waste is identified in Subpart C of 40 CFR and R61-79. 261 by either 1) testing the waste, or 2) applying knowledge of the hazard characteristic of the waste in light of the material or the process he's used. If the waste is determined to be hazardous, the generator must determine the proper requirements for the proper and safe management of his specific waste.

The SK Lexington Recycle Center is a RCRA TSD facility that receives waste from off- site generators and generates several waste streams which are residuals of the recovery/recycling process which produces liquid products from waste materials. Waste streams generated by such a facility as the S-K Lexington Recycle Center might include such wastes as:

Still-Bottom Oils:

The residual liquid (usually oil) or sludge remaining from the distillation of fractionation of a material to recover an overhead product.

Miscellaneous Solids:

The solids that result from various handling steps such as pipeline filters, settling or emptying of drums. These solids are those that cannot be suspended and processed or blended for recovery or recycling.

Other wastes might also be generated from the recovery or the recycling, or otherwise processing of materials at this facility.

When a waste stream is generated, the facility will refer to 40 CFR and R61-79. Part 261, as specified, to determine if the generated waste is indeed a hazardous waste by virtue of being either a listed waste or a characteristic waste and is not otherwise excluded from regulation. Consideration is given to the source of the process that generates the waste.

Wastes generated by the Lexington Recycle Center may be managed as accumulated waste for up to 90-days at the facility. If the material is still at the site after 90-days, it will be placed in properly permitted storage areas at the Recycle Center.

2.2.3.2 Land Disposal Restrictions

In its characterization of the material and determination of proper handling, it is necessary that the Lexington Recycle Center consider whether or not this material is restricted from land disposal under 40 CFR and R61-79. Part 268. If a waste is determined to be of the type restricted from land disposal, it is necessary to determine if the material meets the appropriate treatment standard, or the material must go for treatment or other disposal, prior to land disposal, as identified in the land disposal restriction requirements. For instance, the best demonstrated available technology for the processing of non-recoverable, non-recyclable materials that are listed as an F001, F002, F003, or F005 wastes is incineration. The major portion of the materials handled by the Lexington Recycle Center are those F-code wastes. Therefore, those materials that do not meet the treatment standards and are non-recyclable/ non-recoverable are sent for incineration.

If a material restricted from land disposal is to be sent to a treatment facility, a notice identifying the material as restricted from land disposal, along with identification of the treatment standard associated

with that restriction accompanies the first waste shipment to the treatment facility. A subsequent notice will be sent to the treatment facility if the waste changes. If a waste restricted from land disposal meets the treatment standard and will be sent to a land disposal unit, a certification that the material meets the treatment standard and can be land disposed will accompany the shipment. For the purposes of land disposal restrictions an incinerator is considered treatment and therefore, the first shipment to an incinerator is accompanied by a Notice of Land Disposal Restriction as specified in Part 268 of 40 CFR and R61-79. The Notices of Land Disposal Restriction received with shipments to the Lexington Recycle Center are kept on file at the facility for a period of five years, as required by 40 CFR and R6 1-79. 268.7. See Attachment C-3 for an example form.

2.2.3.5 Receipt Analyses – Hazardous waste "Industrial Source"

SK manages hazardous waste from a broad spectrum of industrial hazardous waste in both containers and in bulk. A list of acceptable waste codes can be found in Table 4 of the permit application. This section deals with those wastes the facility will accept for storage into the facility in one or more of its permitted units approved to store hazardous waste. This waste will not be reprocessed at the facility but instead put into storage to be accumulated and ultimately be shipped offsite to a permitted and approved hazardous waste treatment, storage and disposal facility (TDSF). Wastes which will be shipped to third party (non Safety-Kleen or Clean Harbors) TSD facilities for management will follow all the normal sample collection and analysis steps outlined above in Section 2.2.1. In addition, due to waste conformity requirements these wastes will be analyzed for the parameters described in Table 2. After the waste has been sampled and analyzed and conformity is confirmed the waste will be placed into storage. At some later date depending on the accumulation of other waste to build a full shipment of containers for offsite disposal the accepted waste will be relabeled with SK being the generator and shipped on a proper hazardous waste manifest to an approved and permitted offsite designated TSDF.

2.2.3.6 Receipt Analysis – (Toll Recycling, Solvent Recycling)

SK provides recycling services for large quantity users of organic solvents and SK brand solvents used in industry as parts washing agents. Whether toll recycling or SK brand solvents, a specific amount of waste solvent is shipped from customers to the Recycle Center. Since the material is considered a hazardous waste and is received on a hazardous waste manifest, it is sampled and analyzed pursuant to the parameters listed in Table 2, isolated into a permitted hazardous waste storage tank, processed separately, and the reclaimed solvent for tolling is shipped back to the customer or sold as a commodity into commerce. SK brand solvents are reclaimed into product and redistributed to the SK network of branches and service centers to be distributed to SK customers.

3.0 QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

SK uses standard quality control procedures as part of the overall Quality Assurance Program. Safety-Kleen controls the use and management of its solvents by:

1. Limiting the solvents stored to those compatible with one another and their containers:
2. Determining the customer's type of business (i.e., his SIC code is recorded) and the purpose for which he will use the machine;
3. Educating customers on proper use of the machine;
4. Training employees to inspect spent solvent and determine whether it is acceptable;
5. Indicating on the service document, every time waste is collected, whether the spent solvent meets Safety-Kleen's acceptance criteria;
6. Marking each container with the customer's name, address, and EPA I.D. number (if required). This information remains on containerized waste until it is accepted at the reclamation facility;
7. Keeping a record of each incoming and outgoing shipment in the operating log at each facility;

8. Demonstrating the chemical and physical homogeneity of the wastes by sampling and analyzing a representative portion of generator waste streams on an ongoing annual basis at the national level; and
9. Routine analysis of the wastes received at the Recycle Centers.

Safety-Kleen's customers sign a service document containing the following information:

1. The name, address, and EPA I.D. number of the facility to which the waste is being shipped;
2. The customer's name, address, and EPA I.D. number (if required); and
3. The description and amount of Safety-Kleen solvent waste generated.

Each incoming and outgoing shipment is recorded in the facility's operating log. In addition, each sales representative must complete an acceptance criteria checklist each time a waste is picked up. In accordance with Safety-Kleen's pre-printed documents, all generators sign a statement with each shipment that there has been no material added to the closed-loop products supplied by Safety-Kleen since the last shipment. Finally, environmental activity reviews may be utilized to guard against the addition of other wastes into the generator's waste.

If a waste is rejected at the time of service based on the volume or consistency discrepancies, the customer will be given a choice as to whether he will dispose of the waste himself or will require Safety-Kleen's assistance. If the customer requests Safety-Kleen's assistance, a sample will be drawn using a Coliwasa tube and it will be analyzed for flash point, volatile organic compounds, and other parameters to adequately define the constituents (e.g., for halogenated organic solvents, polychlorinated biphenyls (PCBs), flash point, etc.).

The quality control procedures also specify that QC checks must be conducted, to verify that all analyses are accurate and precise. Each SK laboratory has a Quality Assurance Manual, tailored to the analyses done at the laboratory. In addition, the analytical methods used by the Lexington Recycle Center Laboratory are taken from the SK Standard Operating Procedures Manual. These SOP's may be modified or changed for a particular situation, or to improve their usefulness or data collection

abilities. Each Safety-Kleen Systems analytical procedure uses the following QC checks, where applicable:

1. Calibration and Reagent Standardization

   Each time an instrument is calibrated or a reagent is standardized, such is recorded. The analytical methods specify the procedure and frequency required to maintain accuracy.

2. Control Samples

   If a method is not calibrated at an equivalent frequency, a known standard is analyzed on a frequent basis. Calibration or analysis of a known standard is done either daily or weekly, depending upon the specific requirements of the analytic method. Calibration or analysis of a known standard is done at least once for every twenty samples run, even if that is more frequent than weekly or daily.

3. Blanks

   Where applicable, blanks are run for each analytical method on a daily basis: the results are recorded in the laboratory log.

4. Duplicates

   A duplicate sample is run after the analysis of ten (10) or twenty (20) samples, depending upon method, and the results recorded in the laboratory log.

5. Spiked Samples

   Where applicable, samples are spiked with the analyte and analyzed. Spikes are conducted after ten (10) or twenty (20) samples, depending upon method.

6. Blind Standards

   Where available, a blind standard is analyzed at least once every three months. A blind standard contains a known compound at a concentration which is unknown to the analyst.

7. Performance Testing

   The facility conducts Performance Testing studies through a SCDHEC approved lab twice per year.

4.0 ONSITE ENVIRONMENTAL ACTIVITY REVIEW PROGRAM

Based on historical operating and analytical records, SK has determined that the characteristics of its customer's wastes (particularly the last 10 years) reflect that there has, in fact, been a continuing reduction in the trace levels of characteristically toxic constituents in these wastes. Therefore, in concert with the sampling described in this waste analysis plan, Safety-Kleen may conduct reviews of customer's waste streams if the customer's waste stream does satisfy Safety-Kleen's Qualitative Waste Acceptance Criteria. This review, in addition to the analytical baseline of information, will confirm that the hazardous waste streams managed under conditions of the Part B Permit have not changed.

5.0 WASTE ANALYSIS PLAN UPDATE

This waste analysis plan will be modified when it has been deemed necessary due to regulatory changes, evidence of the plan being inadequate, or when sampling/testing and material management methods change.

6.0 LAND BAN NOTIFICATION/CERTIFICATION FORMS

In accordance with 40 CFR and R61-79. 268.7, Safety-Kleen will provide notification/certification for wastes restricted from landfill disposal as follows:

1. Printing the Notice language on the manifests; or,
2. Special forms for each regularly handled waste types; or,
3. A general form that must be completed for unique or non-standard waste streams.

Shipments lacking the proper Notice will not be accepted by any SK facility. When a shipment with the proper Notice is received, the Notice is kept in the files of the receiving facility with the manifest (see Attachment C-4 for an example manifest form). An example LDR form is in Attachment C-3.

TABLES

TABLE 1

METHODS USED TO SAMPLE HAZARDOUS WASTES

Hazardous Waste	**Reference for Sampling***	**Description of Sampling Method**	**Sampler**
1.Used Mineral Spirits (aka Parts Washer)	Sampling a tanker "Samples & Sampling procedures for Hazardous Waste Streams" EPA-600/2-80-018	Test Methods for the Evaluation of Solid Waste Physical. Chemical Methods, SW846, U.S. EPA Section 1.2.1.1	For tanker-Coliwasa Tube, Bomb ampler, or weighted bottle sampler For container-Coliwasa (liquid), scoop sampler (solid, sludge) For Roll Off Box - Scoop Sampler
2.Mineral Spirits Tank Bottom Sediment & free water	Same as number 1	Same as number 1	Same as number 1
3.Mineral Spirits Dumpster Sediment	Sampling a drum "Samplers & Sampling Procedures for Hazardous Waste Streams" EPA-600/2-80-01 8	Evaluation of Solid Waste, Physical/Chemical Methods" (latest edition).	Same as number 1
4.Used Immersion Cleaner Dry Cleaning Wastes Paint Waste (Lacquer	Same as number 3 Same as number 3 Same as number 3	Same as number 3 Same as number 3 Same as number 3	Same as number 1 Same as number 1 Same as number 1
5.ABC Waste Plant Generated Waste Industrial Waste (aka FRS) Tolling Wastes	Same as number 3 Same as number 3 Same as number 3 Bulk - Same as number 1; Batch - Same as number 3	Same as number 3 Same as number 3 Same as number 3 Bulk - Same as number 1; Batch - Same as number 3	Same as number 1 Same as number 1 Same as number 1 Same as Number 1

*1 Generally, representative sampling will be performed using methods described in "Test Methods for the Evaluation of Solid Waste Physical. Chemical Methods, SW846

TABLE 2

Waste Stream Test Parameters Acceptance Matrix

TABLE 2

WASTE STREAM TEST PARAMENTERS ACCEPTANCE MATRIX

Waste Analysis Matrix							
Parameters	**PCBs**	**Flashpoint**	**pH**	**VOC Content**	**H2O**	**Metals**	**BTU/Halogens**
Type of Waste							
Solvent Reclamation	X	X	X	As needed	As needed	As needed	As needed
Tolling Streams	X	X	X	As needed	As needed	As needed	As needed
Bulk Fuel	X	X	X	As needed	As needed	As needed	As needed
Hazardous Waste received from offsite to be placed in on-site storage prior to reshipment offsite to third party management outlets	X	X	X	As needed	As needed	As needed	As needed

NOTE: Wastes for storage only prior to shipment offsite to Safety-Kleen or Clean Harbors facilities will not be sampled/tested.

Containerized Hazardous Waste: Composite by manifest line # up to 20 containers per composite sample if required.

Bulk Shipments: 1 per shipment if required.

Table 3

Frequency of Analysis

Frequency of Analysis

Hazardous Waste	Analyses*	Frequency
Used Mineral Spirits	Flash Point TCLP**	At least annually*** When needed
Mineral Spirits Tank Bottom Sludge and Free Water	Flash Point TCLP	At least annually*** When needed
Mineral Spirits Dumpster Mud	Flash Point TCLP	At least annually*** When needed
Dry Cleaning Wastes {including filter cartridges, Filter powders from diatomaceous earth filters, filter powders from others systems and still bottoms)	Perchloroethylene 1,1,2-trichloro-1,2,2-trifluoroethane Flash Point TCLP	At least annually*** At least annually*** At least annually*** When needed
Paint Wastes	Toluene, xylene, methyl, ethyl ketone, methyl isobutyl ketone, acetone, isopropanol, methanol, ethanol, normal butyl acetate, iso-butyl acetate, cadmium chromium, lead, TCLP	At least annually***
All Other Waste streams	Generator Data (e.g. waste material profile, differing analytical results, process changes, etc.) review	At the time of receipt – i.e., minimum of shipping papers being compared to associated waste material profile(s); sampling/testing when required (e.g., containers opened and/or processed – see Table 2)

* Past analyses have indicated the parameters listed are the only ones of concern.

** Toxicity Characteristic Leaching Procedure

*** Part of Safety-Kleen Systems, Inc.'s Annual Recharacterization - see Attachment C-1 for example

Table 4

Waste Codes Accepted at Lexington, SC Recycle Center

Table 4							
D001	D028	F019	K014	U009	U083	U191	P013
D002	D029	F022	K015	U019	U084	U196	P014
D003	D030	F024	K016	U031	U107	U210	P015
D004	D032	F026	K019	U037	U108	U211	P016
D005	D033	F027	K022	U043	U110	U226	P017
D006	D034	F028	K029	U044	U112	U227	P018
D007	D035	F037	K030	U051	U113	U228	P020
D008	D036	F038	K031	U052	U117	U239	P021
D009	D037	F039	K048	U055	U118	U359	P022
D010	D038	K002	K049	U056	U121	P001	P023
D011	D039	K003	K050	U057	U125	P002	P024
D016	D040	K004	K051	U068	U140	P003	P026
D018	D041	K005	K052	U069	U154	P004	P027
D019	D042	K006	K085	U070	U159	P005	P028
D021	D043	K007	K086	U071	U161	P006	P029
D022	F001	K008	K095	U072	U162	P007	P030
D023	F002	K009	K096	U075	U165	P008	
D024	F003	K010	U001	U077	U169	P009	
D025	F004	K011	U002	U078	U171	P010	
D026	F005	K012	U003	U079	U178	P011	
D027	F006	K013	U004	U080	U188	P012	

ATTACHMENTS

Attachment C-1 Example Waste Material Profile & Annual Recharacterization

Attachment C-2 Laboratory Forms

Attachment C-3 LDR Notification Examples

Attachment C-4 Manifest Example

ATTACHMENT C-1

Example Waste Material Profile & Annual Recharacterization

S-K Waste Stream Profile Process (Industrial & Other Sources)

Material Profile completed by the generator & S-K representative

SDSs &/or analytical data will be provided if available

Material Profile and other miscellaneous data sent to S-K for review

Is adequate data available to approve

No

Obtain additional information from the generator, to include analytical data or a representative sample for analysis if needed to complete profile

Yes

S-K Evaluates Data/Information Using the Following Criteria:

- Health & Safety Review
- Selection of EPA Waste Codes
- Non-Haz Waste Evaluation
- State Waste Code Selection
- US DOT Selection
- Facility Part Number Selection
- LDR Selection
- SIP Evaluations

Can S-K RC accept this waste based on permit?

Yes

Profile Approved

Sample obtained upon Receipt and Analyzed

No

Profile is not approved for S-K RC, subject to further evaluation regarding site criteria

After further evaluation can the waste be accepted?

Yes

Notify customer of approval

No

Notify generator of disapproval

Attachment C-1 – Waste Material Profile Approval Flow

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No.

A. GENERAL INFORMATION

GENERATOR EPA ID:

GENERATOR PROFILE No.

GENERATOR CODE (Assigned by Clean Harbors)

GENERATOR NAME:

ADDRESS

CITY STATE ZIP/POSTAL CODE

PHONE:

CUSTOMER CODE (Assigned by Clean Harbors) CUSTOMER NAME:

ADDRESS CITY STATE/PROVINCE ZIP/POSTAL CODE

B. WASTE DESCRIPTION

WASTE DESCRIPTION:

PROCESS GENERATING WASTE (Please provide detailed description of process generating waste):

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE
- SOLID WITHOUT FREE LIQUID
- POWDER
- MONOLITHIC SOLID
- LIQUID WITH NO SOLIDS
- LIQUID/SOLID MIXTURE
  - % FREE LIQUID
  - % SETTLED SOLID
  - % TOTAL SUSPENDED SOLID
- SLUDGE
- GAS/AEROSOL

NUMBER OF PHASES/LAYERS

1 2 3

% BY VOLUME (Approx.)

TOP
MIDDLE
BOTTOM

VISCOSITY (If liquid present)
- 1 - 100 (e.g. WATER)
- 101 - 500 (e.g. MOTOR OIL)
- 501 - 10,000 (e.g. MOLASSES)
- > 10,000

COLOR

ODOR
- NONE
- MILD
- STRONG

Describe:

BOILING POINT °F (°C)
- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- >= 130 (>54)

MELTING POINT °F (°C)
- < 140 (<60)
- 140-200 (60-93)
- > 200 (>93)

TOTAL ORGANIC CARBON
- <= 1%
- 1-9%
- >= 10%

FLASH POINT °F (°C)
- < 73 (<23)
- 73 - 100 (23-38)
- 101 -140 (38-60)
- 141 -200 (60-93)
- > 200 (>93)

Actual:

pH
- <= 2
- 2.1 - 6.9
- 7 (Neutral)
- 7.1 - 12.4
- >= 12.5

Actual:

SPECIFIC GRAVITY
- < 0.8 (e.g. Gasoline)
- 0.8-1.0 (e.g. Ethanol)
- 1.0 (e.g. Water)
- 1.0-1.2 (e.g. Antifreeze)
- > 1.2 (e.g. Methylene Chloride)

ASH
- < 0.1
- 0.1 - 1.0
- 1.1 - 5.0
- 5.1 - 20.0
- > 20
- Unknown

Actual:

BTU/LB (MJ/kg)
- < 2,000 (<4.6)
- 2,000-5,000 (4.6-11.6)
- 5,000-10,000 (11.6-23.2)
- > 10,000 (>23.2)

Actual:

VAPOR PRESSURE (for liquids only) mm Hg

D. COMPOSITION (List the complete composition of the waste, include any inert components and /or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN – MAX	UOM	CHEMICAL	MIN – MAX	UOM

ANY METAL OBJECTs PRESENT? YES NO

If yes include dimension:

E. CONSTITUENTS -- Are these values based on testing or knowledge? ☐ Knowledge ☐ Testing

If constituent concentrations are base on analytical testing, analysis must be provided. If based on knowledge, basis of knowledge must be provided below.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm
D004	ARSENIC	5.0		
D005	BARIUM	100.0		
D006	CADMIUM	1.0		
D007	CHROMIUM	5.0		
D008	LEAD	5.0		
D009	MERCURY	0.2		
D010	SELENIUM	1.0		
D011	SILVER	5.0		

RCRA	VOLATILE COMPOUNDS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm
D018	BENZENE	0.5		
D019	CARBON TETRACHLORIDE	0.5		
D021	CHLOROBENZENE	100.0		
D022	CHLOROFORM	6.0		
D028	1,2-DICHLOROETHANE	0.5		
D029	1,1-DICHLOROETHYLENE	0.7		
D035	METHYL ETHYL KETONE	200.0		
D039	TETRACHLOROETHYLENE	0.7		
D040	TRICHLOROETHYLENE	0.5		
D043	VINYL CHLORIDE	0.2		

RCRA	SEMI-VOLATILE COMPOUND	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm
D023	o-CRESOL	200.0		
D024	m-CRESOL	200.0		
D025	p-CRESOL	200.0		
D026	CRESOL (TOTAL)	200.0		
D027	1,4-DICHLOROBENZENE	7.5		
D030	2,4-DINITROTOLUENE	0.13		
D032	HEXACHLOROBENZENE	0.13		
D033	HEXACHLOROBUTADIENE	0.5		
D034	HEXACHLOROETHANE	3.0		
D036	NITROBENZENE	2.0		
D037	PENTACHLOROPHENOL	100.0		
D038	PYRIDINE	5.0		
D041	2,4,5-TRICHLOROPHENOL	400.0		
D042	2,4,6-TRICHLOROPHENOL	2.0		

RCRA	PESTICIDES AND HERBICIDES	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm
D012	ENDRIN	0.02		
D013	LINDANE	0.4		
D014	METHOXYCHLOR	10.0		
D015	TOXAPHENE	0.5		
D016	2,4-D	10.0		
D017	2,4,5-TP (SILVEX)	1.0		
D020	CHLORDANE	0.03		
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008		

OTHER METALS	MIN	MAX	UOM
ALUMINUM			
ANTIMONY			
BERYLLIUM			
CALCIUM			
COPPER			
MAGNESIUM			
MOLYBDENUM			
NICKEL			
POTASSIUM			
SILICON			
SODIUM			
THALLIUM			
TIN			
VANADIUM			
ZINC			

NON-METALS	MIN	MAX	UOM
BROMINE			
CHLORINE			
FLUORINE			
IODINE			
SULFUR			

OTHER NON-METALS	MIN	MAX	UOM
AMMONIA			
REACTIVE SULFIDE			
CYANIDE-TOTAL			
CYANIDE AMENABLE			
CYANIDE REACTIVE			

OTHER CHEMICALS	MIN	MAX	UOM
PHENOL			
Total Petroleum Hydrocarbons			

OTHER

HOCs

NONE
< 1000 PPM
>= 1000 PPM

PCBs

NONE
<50 PPM
>= 50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES NO

ADDITIONAL HAZARD

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES NO (If yes, explain)

ASBESTOS
DEA REGULATED SUBSTANCES
DIOXIN
EXPLOSIVE
HERBICIDE
FUMING / SMOKING WASTE
INFECTIOUS, PATHOGENIC, OR ETIOLOGICAL AGENT
OXIDIZER
OSHA REGULATED CARCINOGENS
PESTICIDE
POLYMERIZABLE
RADIOACTIVE
REDUCING AGENT
SHOCK SENSITIVE
SPONTANEOUSLY IGNITES WITH AIR
THERMALLY SENSITIVE
WATER REACTIVE

NONE OF THE ABOVE

Clean Harbors Profile No.

F. REGULATORY STATUS

YES NO USEPA HAZARDOUS WASTE?

YES NO DO ANY STATE WASTE CODES APPLY?

YES NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?
LDR CATEGORY:
VARIANCE INFO:

YES NO IS THIS A UNIVERSAL WASTE?

YES NO IS THIS A WASTEWATER PER 40 CFR PART 268.2?

YES NO IF ANY WASTE CODES D001, D002, D003 (OTHER THAN REACTIVE CYANIDE OR REACTIVE SULFIDE), D004-D0011, D012-DO17 NON-WASTEWATERS, OR D018- D043 APPLY, ARE ANY UNDERLYING HAZARDOUS (UHCs) PRESENT ABOVE UNIVERSAL TREATMENT STANDARDS (UTS)?

YES NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHARGE STANDARDS?

IF YES, SPECIFY POINT SOURCE CATEGORY LISTED IN 40 CFR PART 401.

YES NO IS THIS WASTE REGULATED UNDER THE BENZENE NESHAP RULES?
IF YES IS THE GENERATOR'S TOTAL ANNUAL BENZENE >= 10 Megagrams? YES NO

YES NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE GREATER THAN 77 KPa (11.2PSIA)?

YES NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES NO IS THIS WASTE REGULATED UNDER THE OZONE DEPLETING SUBSTANCE ACT FOR ONTARIO?

G. D.O.T INFORMATION: (Include proper shipping name, hazard class and ID number)
US D.O.T. DESCRIPTION:

H. TRANSPORTATION REQUIREMENTS
ESTIMATED SHIPMENT FREQUENCY: ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER

IF BULK LIQUID OR BULK SOLID PLEASE INDICATE THE EXPECTED NUMBER OF LOADS PER SHIPPING FREQUENCY:

CONTAINERIZED
CONTAINERS/SHIPMENT
STORAGE CAPACITY:
CONTAINER TYPE:
CUBIC YARD BOX
PALLET
TOTE TANK
OTHER:
DRUM SIZE:
CONTAINER MATERIAL:
STEEL
FIBER
PLASTIC
OTHER

BULK LIQUID
GALLONS/SHIPMENT: GAL.
FROM TANKS: TANK SIZE GAL.
FROM DRUMS
VEHICLE TYPE:
VAC TRUCK
TANK TRUCK
RAILROAD TANK CAR
CHECK COMPATIBLE STORAGE MATERIALS.
STEEL | STAINLESS STEEL
RUBBER LINED | FIBERGLASS LINED
DERAKANE
OTHER

BULK SOLID
SHIPMENT UOM: TON YARD
PER SHIPMENT: MIN MAX
STORAGE CAPACITY TON/YD
VEHICLE TYPE:
DUMP TRAILER
ROLL OFF BOX
INTERMODAL ROLLOFF BOX
CUSCO/VACTOR
OTHER

I. SPECIAL REQUEST
SPECIFIC DISPOSAL RESTRICTIONS OR REQUESTS:
SPECIAL WASTE HANDLING REQUIREMENTS:
OTHER COMMENTS OR REQUESTS:

J. BIENNIAL / ANNUAL REPORTING INFORMATION

SIC CODE	SOURCE CODE	FORM CODE

K. SAMPLE STATUS		SAMPLED BY	DATE SAMPLED	WHERE SENT
REPRESENTATIVE SAMPLE HAS BEEN SUPPLIED.	YES / NO			

GENERATORS CERTIFICATION

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE	NAME (PRINT)	TITLE	DATE

2021 AR Codes and SKDOTS - National

Waste Stream	Description Subcategory	2020 National Waste Codes	2020 NATIONAL Profile	Changes from 2020 to 2021	2021 National Waste Codes	2021 NATIONAL Profile
Branch Contaminated Debris (Solid would not carry D001)	N/A	F002, F003, F005, D001, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043	Refer to CH Outbound	No Change	F002, F003, F005, D001, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043	Refer to CH Outbound
Immersion Cleaner	N/A	D006, D018, D027, D039, D040	157627	No Change	D006, D018, D027, D039, D040	157627
Parts Washer Solvent 105 Virgin	under 100 lbs	D001, D018, D039, D040	150045	No Change	D001, D018, D039, D040	150045
	over 100 lbs (RQ)		150085			150085
	Non-RQ DF container (no DOT SP)		157045			157045
Bulk MS Solvent	N/A	D001, D018, D039, D040	Refer to CH Outbound	No Change	D001, D018, D039, D040	Refer to CH Outbound
Parts Washer Solvent Sludge/Dumpster Mud	N/A	D001, D018, D039, D040	Refer to CH Outbound	No Change	D001, D018, D039, D040	Refer to CH Outbound
Parts Washer Solvent Tank Bottoms (bulk)	N/A	D001, D018, D039, D040	Refer to CH Outbound	No Change	D001, D018, D039, D040	Refer to CH Outbound
Premium (150) / PRF / PDF Mil Spec Solvent	N/A	D039	150055	No Change	D039	150055
	DF container (no DOT SP)		157055			157055
Paint Gun Cleaner	under 100 lbs	F003, F005, D001, D018, D035, D039, D040	150380	No Change	F003, F005, D001, D018, D035, D039, D040	150380
	over 100 lbs (RQ)		150425			150425
Paint Gun Cleaner (Premium Thinner)	under 100 lbs	F003, F005, D001, D018, D035, D039, D040	158380	No Change	F003, F005, D001, D018, D035, D039, D040	158380
	over 100 lbs (RQ)		158381			158381
Clear Choice Paint Gun Cleaner	under 100 lbs	F003, D001, D018, D035, D039, D040	150426	No Change	F003, D001, D018, D035, D039, D040	150426
	over 100 lbs (RQ)		150427			150427
Paint Waste Other	Any size container	F003, F005, D001, D018, D035, D039, D040	150375	No Change	F003, F005, D001, D018, D035, D039, D040	150375
Universal Paint Gun Cleaner	N/A	D001, D018, D035, D039, D040	403901294		D001, D018, D035, D039	403901294
Dry Cleaner (Perc) Bottoms	N/A	F002, D007, D039, D040	150589	**Add D029**	F002, D007, D029, D039, D040	**154589**
Dry Cleaner (Perc) Filters	N/A	F002, D007, D039, D040	150621	**Add D029**	F002, D007, D029, D039, D040	**154621**
Dry Cleaner (Perc) Separator Water	N/A	F002, D039, D040	150520	**Add D029**	F002, D029, D039, D040	**154520**
Dry Cleaning Naphtha Bottoms	N/A	D001, D007, D039, D040	150422	No Change	D001, D007, D039, D040	150422
Dry Cleaning Naphtha Filters	N/A	D001, D007, D039, D040	150424	No Change	D001, D007, D039, D040	150424
Dry Cleaning Naphtha Separator Water	N/A	D001, D039, D040	150423	No Change	D001, D039, D040	150423

ATTACHMENT C-2

Sample Laboratory Forms

SAFETY-KLEEN SYSTEMS, INC. **COMPLIANCE SAMPLE CHAIN-OF-CUSTODY RECORD** Page _____ of _____

130-A Frontage Rd.
Lexington, SC 29073
803-356-4061, option 4

CIRCLE ONE: NON-HAZ HAZ ANTIFREEZE PARTS WASHER TOLLING OTHER-Perc	Identifying Information SAMPLES	PCB (Check for this test)	FP (Check & indicate test)	pH (Check & indicate test)	VOC (Check & indicate test)	(Check & indicate test)	(Check & indicate test)	(Check & indicate test)	(Check & indicate test)	(Check & indicate test)	(Check & indicate test)	safety-kleen
Sample Identifier	Container Type / Size / Sampler Name											COMMENTS

Relinquished by:	Date / Time /	Received by:	Relinquished by:	Date / Time /
Relinquished by:	Date / Time /	Received by:	Relinquished by:	Date / Time /
Relinquished by:	Date / Time /	Received by:	Received for Laboratory by:	

SAFETY-KLEEN LEXINGTON SAMPLE ANALYSIS

COMPOSITE TYPE : [ ]

C2014. [ ]

SAMPLE #	DOC REF #	# DRUMS	DISPO	Storage location	LOAD #	FLASH SOP # 9906 146 F	pH SOP # 9906 range 4-10
							P / M D / E
							P / M D / E
							P / M D / E
							P / M D / E
							P / M D / E
							P / M D / E
							P / M D / E
							P / M D / E
							P / M D / E
							P / M D / E
							P / M D / E
							P / M D / E
							P / M D / E
							P / M D / E
							P / M D / E
							P / M D / E
							P / M D / E
							P / M D / E
							P / M D / E

P / M = (Paper/Meter) D / E = (Direct/Extracted)

Total: [ ]

pH SOP # 9906

pH by paper [ ] pH by meter: [ ]

Analyst/Date_____

safety-kleen corp.

COMMENTS: _____

Analyst/Date:_____ **Reviewer/Date:**_____

SAFETY-KLEEN SYSTEMS, INC

Lexington Recycle Center

Tolling/Recycling

Date Shipped/Received: _____ Manifest/B.O.L.#: _____ Gallons: _____

ID: _____

TEST	METHOD	SPECIFICATION	RESULT
PCB	SK9202		_____
Flash Point	SK9401		F / NF @ 140deg F
Cetrifuge Solids*	SK9918		organic 0.0 % aqueous 0.0 % solids 0 %
Specific Gravity	SK9903		@ deg F X 8.345 #VALUE! lbs/gal
Water	SK9801		_____ %
pH	SK9906		_____
APHA Color	SK9923		_____ Pt-Co Color
Appearance	Visual		

VOC ANALYSIS

Weight %	Compound
0.0	

Accepted by: Date:

Reviewed by: Date:

SPENT PARTS WASHING SOLVENT
SAFETY-KLEEN SYSTEMS, INC.
Lexington Recycle Center
Lexington, SC

Date : _____

Lab #: _____ WIN Tracking #: _____

Service Center : _____ Service Center #: _____

Manifest #: _____ Gallons: _____ Tank#: _____

Component/Test	Specification	Results	Method	Analyst
PCB	< 2 ppm	_____	SK-19202	_____
pH	2.0-12.5	_____	SK-9906	_____
HVOC	(Max 10000ppm)	_____ ppm	SK-9209	_____
Flash Point	@ 140° F	_____	SK-9401	_____
B S & W	No Spec.(Vol%)	_____	SK-9901	_____
Storage Box		_____		

Comments: _____

_____

_____

_____

Accepted By: _____ Date: _____

Rejected By: _____ Date: _____

Reason for Rejection: _____

Reviewer: _____ Date: _____

Rev. 08/13

SAFETY-KLEEN SYSTEMS, INC

Lexington Recycle Center

Bulk Incoming Waste for Fuel

Date Received:	**T/T#:**	**WIN#:**
ID:	**Manifest#:**	**Gallons:**
	SO#:	**Lbs:**
		Technology: (FB1 / FB2P / A22K)

TEST	**METHOD**	**RESULT**
PCB	**SK9202**	_____
FP @ 140F	**SK9401**	_____
Water	**SK9801**	_____ **%**
Specific Gravity	**SK9903**	**X 8.345** = **#VALUE! lbs/gal**
pH (by paper))	**SK9906**	_____
BTU	**SK9905**	_____ **BTU/Lbs**
Total Halogen% (as Cl-)	**SK9807**	_____ **%**
GC	**SK9203**	**Attached**

Disposition: Pump to Tank _____

Accepted by: **Date:**

Reviewed by: **Date:**

Example

ATTACHMENT C-3

Example LDR Forms

CleanHarbors
ENVIRONMENTAL SERVICES®

Land Disposal Restriction Notification Form

Printed Date :

MANIFEST INFORMATION

Generator : c.

Address:

EPA ID #: S C D 0 7 7 9 9 5 4 8 8

Manifest Tracking Info.

Sales Order No:

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1			

EPA Waste Code	EPA Waste SubCategory

Certification	Applies to Manifest Line Items
Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.	1.

Waste analysis data where available. is attached

Signature : Print Name

Title : Date :

ATTACHMENT C-4

Example Manifest Form

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) **SC MA PPW 7/1/2021** Form Approved. OMB No.2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (800) 483-3718	4. Manifest Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address(if different than mailing address)
SAME

Generator's Phone:

6. Transporter 1 Company Name | U.S.EPA ID Number

7. Transporter 2 Company Name | U.S.EPA ID Number

8. Designed Facility Name and Site Address | U.S.EPA ID Number

Facility's Phone:

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group(if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		

14.Special Handling Instructions and Additional Information

1.
2.
3.
4.

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency, convenience, or safety

15. GENERATION'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I Certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month Day Year

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit :

Transporter Signature (for exports only): Date leaving U.S. :

17. Transporter Acknowledgement of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month Day Year

Transporter 2 Printer/Typed Name | Signature | Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantiy ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a.

Printed/Typed Name | Signature | Month Day Year

EPA Form 8700-22v (Rev. 3-05) Prevoius editions are obsolete.

Section D

Table of Contents

Contents

D PROCESS INFORMATION

This section describes the existing and proposed processes for the Safety-Kleen Lexington Recycle Center. These processes include storage units and areas, treatment units, loading/unloading areas, and process units. Proposed facilities will be designed and constructed in accordance with current engineering design standards and specifications. This section first describes the loading/unloading areas (truck stations and railcar facility), then explains the process units, and finally addresses the storage units (container storage area and tank farms). Process units for waste recycling and reclamation operations at the Lexington Recycle Center are not subject to RCRA regulation as treatment units in accordance with R.61-79.261.6, except for R.61- 79.264 Subpart AA and Subpart BB. Subpart AA and Subpart BB are included as Appendix D-1.

TRUCK STATIONS AND RAILCAR FACILITY

The existing tanker trailer and truck trailer loading and unloading areas (truck stations) are shown on the Site Plan for the facility included in Exhibit 1. A description of these areas is provided below.

TRUCK STATION DESIGN

Truck Station No. 1 (AKA Tanker Tunnel) is an existing, fully covered load/unload structure constructed of reinforced concrete. It is located between Tank Farm No. 1 and Tank Farm No. 2. Truck Station No. 1 measures approximately 45 feet wide by 75 feet long and is capable of loading/unloading two tank trucks simultaneously.

The concrete floor provides an impervious containment for any material involved in a spill or leak during loading and unloading operations.

Truck Station No. 2 is located outside Container Storage Area No. 3 and is used for the loading and unloading of waste containers from truck trailers. Truck Station No. 2 measures approximately fifty (50) ft. wide by fifty (50) feet long.

The concrete floor of Truck Station No. 2 provides sufficient containment for material involved in a spill or leak from a trailer.

RAILCAR FACILITY DESIGN

The proposed Railcar Load/Unload Facility will consist of a rail spur, a covered railcar load/unload area, and an uncovered railcar holding area. The Railcar Facility will be located north of proposed Tank Farm No. 5B and adjacent to the Fleet Garage.

TRUCK AND RAILCAR LOAD/UNLOAD OPERATIONS

Load/unload operations at the Lexington Recycle Center truck stations and railcar facility are carried out by, or under, the supervision of trained Safety-Kleen employees. The truck stations and railcar facility are maintained as discussed in the following paragraphs.

The truck stations and railcar facility are inspected as part of the daily Inspection Plan (described in Section F) for the presence of standing liquids and to evaluate the structural condition. In the event that standing liquids are noted in the containment area of a truck station or the steel catch-pans of the railcar facility, the liquids will be removed using a portable pump. Uncontaminated stormwater flows into a retention pond and allowed to percolate into the soil and evaporate (NPDES stormwater non-exposure exclusion). Liquids from minor spill and drips in the railcar facility or truck stations are covered with absorbent, which is then swept up and deposited into drums. Additional "chemical contact housekeeping wastes", including such items as used gloves, rags, and floor sweepings, may be placed in the same drums with the used absorbent. These hazardous residues are accumulated on-site and subsequently sent to an off-site licensed hazardous waste treatment, storage, or disposal facility (TSDF), or processed on-site.

In the event of a release of a large volume of waste inside the railcar facility or truck stations, emergency response procedures will be activated, and the liquid removed from the truck station containment area or railcar facility sump (procedures are described in the Contingency Plan in Section G). Liquids will be pumped out of the truck station containment area or railcar facility sump using a portable pump or a vacuum truck. The spilled materials will be pumped to an on-site waste storage tank for subsequent reclamation in the Lexington Recycle Center's process units, or to a tanker truck for off-site management at a hazardous waste TSDF. Additional details on the spill and emergency equipment and procedures at the Lexington Recycle Center are provided in Sections G and F of this application for renewal.

PROCESSES

The Lexington Recycle Center stores, recycles, and reclaims organic solvents from used solvents, solvent mixtures, and other solvent-containing wastes. To accomplish this, the facility uses three primary types of processes: 1) distillation; 2) blending; and 3) drying. The Lexington Recycle Center also blends waste and product materials into fuel mixtures which are used as fuel at industrial furnaces.

STORAGE

Currently the Lexington Recycle Center receives a variety of solvents including used parts cleaner solvent (e.g., mineral spirits and aqueous based), parts cleaner dumpster mud, tank bottom sludges, paint thinners, and immersion cleaners for storage and processing. Specific waste types planned to be accepted at the Lexington Recycle Center are described in Sections B and G. Wastes received at the facility are stored in drums in the container storage areas and in tanks specified in this section. Exhibit Nos. 38-42 contain the typical process flow diagrams.

SOLVENT RECOVERY AND RECYCLE PROGRAMS

The Lexington Recycle Center receives containerized and bulk organic

chemicals from industrial and commercial facilities for processing and recovery. The Lexington Recycle Center has three types of customers. Safety-Kleen closed-loop customers, where Safety-Kleen provides customers with recycled material and collects the used solvent for reclamation and reuse among Safety-Kleen customers. This is similar to the toll recycling, but the solvent is collected from and returned to more than one generator. Toll waste customers, where Safety-Kleen receives containerized and bulk waste solvent materials from industrial and commercial facilities, processes the waste to recover product material, and then returns the product to the customer. And solvent reclamation customers, where Safety-Kleen receives bulk material and could receive, and process containerized and bulk waste solvent materials from industrial facilities and sell the recovered product on the market rather than returning it to the specific generator. The actual recovery processes used for wastes from recycle or toll customers are similar and are discussed below. These recycling activities are exempt from regulation with the exception of R.61-79.264 and 270 storage requirements and R.61-79.264 subparts AA and BB. (R61-79.261.6c).

There are six simple distillation units (four existing and two proposed units) at the Lexington Recycle Center. These units are the LUWA (trade name) thin film evaporator, Artisan two-stage evaporator, and Safety-Therms. The LUWA unit is designated E802 (existing), and the two Safety-Therms are designated units HT-501b, and HT-501c, also known as Safety-Therm No. 2 and Safety-Therm No. 3. The Artisan is designated E801. All of these units are located in Process Building No. 1. The method of operation of a thin film evaporator unit such as E802 (LUWA) is as follows:

The feed stock material, usually used or contaminated solvent, flows over a high temperature surface. At the same time, close tolerance vanes "wipe" the liquid to a thin layer on the heated surface. The heat causes solvent vapors to evaporate from the material. A slight vacuum withdraws the solvent vapors to a condenser where they are condensed as clean solvent. The residual material (i.e., the contaminants in the used solvent), drops out into the bottom of the unit

and is then removed. The residuals are called still bottoms and are also known as “Bottoms Oils”. These are liquid, often oily-like, materials with substantial BTU value and may contain a substantial amount of solid material. The still bottoms normally have a solid content of up to 40 percent, at which point the bottoms are either shipped off-site to a licensed TSDF or are transferred to the Lexington Recycle Center fuels program (described below) for reclamation, blending, and resale as industrial furnace fuels.

The E802 (LUWA) unit is used to reclaim most types of waste received at the facility and is generally the first step in the solvent recovery process. E802 (LUWA) has a nominal process capacity of 700 gallons per hour.

The E801 Artisan, Two - Stage Evaporator is fed directly from waste settling tanks through a centrifugal pump. Feed flow control is provided by a pneumatically controlled valve. Solvent entering the process passes through a heat exchanger where it is preheated by hot vapors leaving the system. An energy saving of about 10 percent is obtained by use of this heat exchanger. Used solvent enters the first stage evaporator after which the solvent passes into the outer shell of the vapor body where the lower boiling ends flash off into vapor and are drawn off through the preheater into the main condenser. The solvent which does not flash off into vapor flows by gravity from the outer shell of the vapor body into the lower side of the second stage evaporator. This fluid enters the second stage evaporator where it flows into the inner shell of the vapor body. The higher boiling point portion flashes off and passes to the main condenser. The remaining fluid, which does not flash off, "the bottoms", is pumped out of the vapor body and is sent to storage. This process provides a yield of about 90 percent of the input material with 10 percent going to bottoms.

The vapors condensed in the main condenser are made up of a mixture of solvent, light ends, and minor amounts of water. The solvent is pumped through a dehydrator where the remaining water is removed from the solvent. The purified solvent, now in its final form, is sent to storage.

Anti-static additive is added prior to shipping to the service centers for use in the parts cleaners. This recycling process has been utilized by Safety-Kleen for over 30 years and has been proven for its safety and efficiency without threatening human health and environment.

The Safety-Therm process is used to reclaim parts cleaner dumpster mud and sludge, and waste solvents. The Lexington Recycle Center currently has two Safety-Therms. The Safety-Therm is a batch operation in which the sludge - water material from parts cleaner processing, and dumpster mud from service centers are fed into the Safety-Therm process unit for further parts cleaner recovery. Material coming to the Lexington facility is offloaded into a holding tank and allowed to settle for an adequate amount of time (on average 72 hours). The sludge layer resulting from the settling is transferred to the “fuels” tank where it is blended into a waste derived fuel. The water layer is then decanted to a Safety-Therm “charge” or feed tank where it is fed to the Safety-Therm process. To remove the water, the process water and slurry (dumpster mud and sludge) is heated and the water driven off to atmosphere. The temperature of the Safety-Therm process is maintained below 230 degrees F to ensure that only water is evaporated. Once the water has been driven off, the temperature is increased so that higher boiling point materials are evaporated and condensed for recovery. The solvent phase recovered from the sludge in the evaporator/dryer (Safety-Therm) is pumped into holding tanks and then processed through the LUWA or Artisan. Residual materials from the Safety-Therm process are sent to a licensed TSDF facility for proper disposition.

The level of contamination, solids content, water content, and overall quality of a waste solvent feedstock will dictate the specific process units and number of unit passes required to be used to produce clean product material. The number of possible variations of specific processing schemes for the numerous materials processed at the Lexington Recycle Center make it unrealistic to provide flow diagrams for each waste material processed. Instead, general flow diagrams for primary process units at the facility are provided in Exhibits 38 through 42.

TRANSSHIPMENT

The Lexington Recycle Center receives wastes which are transshipped (i.e., undergoes 10-day transfer) offsite to authorized facilities. The procedures for palletizing waste drums for shipment to or from a recycle center are described as follows:

a. Compatible waste materials are placed pallets.

b. The waste containers must be placed on the pallet with the labels facing out.

c. The pallet is either shrink wrapped or tightened together with a ratchet belt if additional securement is needed.

d. The individual containers are counted, and the quantities entered on the manifest.

BULKING

The Lexington Service Center operates bulk loading stations to containerize recycled material. The containers are filled with recycled mineral spirits from a filling station connected to the clean mineral spirits storage tank in Tank Farm 6B. Containers are filled and then staged for the following business day's activities when they will be loaded on route trucks for delivery to the Safety-Kleen customer base.

D-1 CONTAINER DESIGN

The Lexington Recycle Center currently operates three (3) container areas (Container Storage Area Nos. 1A, 1B, and 1C) for the storage of containers of waste. All container storage areas are graded, curbed and roofed to prevent run-on and precipitation from entering the containment area.

D-1 a CONTAINERS WITH FREE LIQUIDS

All waste codes and waste types that are listed in the Part A permit application may be stored in each container storage area. Described for each area below are waste types that are typically stored in each storage area. However, the possibility

of storing any of the waste codes and types in any of the container storage areas exists.

D-1a(1) BASIC DESIGN PARAMETERS, DIMENSIONS, AND MATERIALS OF CONSTRUCTION

A container storage area base is designed to support the loads produced by the allowable maximum number of containers, seismic loading, and any tanks located in the area. The liquids stored in these containers, by design, shall have the largest specific gravity handled at the facility. The base shall be reinforced concrete meeting the American Concrete Institute requirements to obtain a base that is crack free. The base is treated with a sealant to ensure that it is sufficiently impervious. The sealant material is compatible with the concrete base, waste, and precipitation. The permitted capacity, 10% of the total hazardous waste containers or 100% of the largest tank, and secondary containment capacity for each of the storage areas is outlined in Table D-1A.

Container Storage Area No. 1 is located west of Tank Farm No. 3 and consists of three existing similar modules (1A, 1 B, and 1 C).

Container Storage Area No. 1 is roofed and has a reinforced concrete floor with a curb around the perimeter of each area. The approximate dimensions of Container Storage Area No. 1 are 100 ft. wide by 200 ft long. Each module contains sloped concrete floors with sumps to collect any spilled or accumulated material. Exhibit 9 shows the configuration and arrangement for Container Storage Area No. 1. The base of Container Storage Area No. 1 is constructed of reinforced concrete and is free of cracks or gaps. The base is in good condition and sufficiently impervious to contain leaks, spills, and accumulated precipitation until collected material is detected and removed.

Container Storage Area No. 3 is located north of Container Storage Area No. 1, Module 1A.

Container Storage Area No. 3 is roofed and has a reinforced concrete floor with

a curb around the perimeter of each area. The approximate dimensions of Container Storage Area No. 3 are 76 ft. wide by 75 ft long. Each module contains sloped concrete floors with sumps to collect any spilled or accumulated material. Exhibit 11 shows the configuration and arrangement for Container Storage Area No. 3. The base of Container Storage Area No. 3 is constructed of reinforced concrete and is free of cracks or gaps. The base is in good condition and sufficiently impervious to contain leaks, spills, and accumulated precipitation until collected material is detected and removed.

Secondary containment calculations for Container Storage Area Nos. 1 and 3 are provided in Attachment D-2.

D-1a(2) Description of How Design Promotes Drainage or How Containers are Kept from Contact with Standing Liquids in the Containment System

The existing container storage areas are constructed with sloped floors for drainage and accumulation of any liquids. As shown on the diagram drawings, the proposed Container Storage areas will also have adequate slopes to drain any accumulated liquid into sumps for removal. Sumps are located in the storage areas to collect and remove the liquids within 24-hours. The sloped floors prevent the containers from coming into contact with spilled liquid.

D-1a(3) Capacity of the Containment System Relative to the Number and Volume of Containers to be Stored

The containment capacities are included as Attachment D-2.

D-1a(4) Provisions for Preventing or Managing Run-on

Container storage areas are covered and have curbs to prevent run-on. Container storage areas 1A, IB, and 1C are covered, however, a small amount of rainfall could be blown into these areas' secondary containment on a windy day.

D-1a(5) How Accumulated Liquids Can Be Analyzed and Removed to Prevent Overflow

In the event of a spill of a large volume of waste inside a container storage area, emergency response procedures would be activated, and the liquid removed from the containment area (procedures are described in the Contingency Plan in Section G). If the waste is not able to be readily identified, the accumulated liquids will be sampled and analyzed in accordance with the Waste Analysis Plan (Section C). Liquids will be removed from the containment area either using a portable pump or a vacuum truck. If possible, spilled liquids will be placed into a storage tank to await recycling through the facility's process units. Otherwise, the spilled liquids will be handled as a hazardous waste and sent off-site to an appropriate facility for treatment, storage, and/or disposal.

D-1 b CONTAINERS WITHOUT FREE LIQUIDS

The Lexington Recycle Center and Service Center will store Immersion Cleaner, Paint Gun Cleaner, Silver canisters, parts cleaner dumpster mud, and dry cleaning filter cartridges within the approved container storage areas. These waste materials may or may not contain free liquids. On occasion, the Recycle Center will receive containers from industrial customers which contain no free liquids. These materials will be handled and stored in the permitted container storage areas which meet all of the requirements for free liquids.

D-1c CONTAINER MANAGEMENT

Container management generally falls into one of three categories: unloading, permitted storage, and transshipment (i.e., 10-day activity). Containers are placed in the drum staging area so that individual drums are accessible for inspection and sampling (if containers will have their manifests terminated at Lexington and stored rather than transshipped). Containers are inspected to ensure the containers are structurally sound and are

labeled in compliance with RCRA and other applicable regulations. Material received for processing at the Lexington Facility or material destined for 3rd party disposal are sampled per the procedures outlined in the Waste Analysis Plan located in Section C.

After the waste analyses have been completed (if required), containers are moved to a destination assigned by the laboratory personnel in association with the facility management. Containers of waste are stored to await: 1) subsequent emptying to the process units; 2) subsequent unloading to a storage or blending tank; or 3) subsequent shipment to another Safety-Kleen/Clean Harbors facility or to a third-party vendor for treatment, storage, and/or disposal.

Liquids from minor drips and leaks in container storage and handling areas at the facility are covered with absorbent, which is then swept up and deposited in drums. The same type of absorbent material is used as a housekeeping sweeping compound in the storage areas. Additional "chemical contact housekeeping wastes" including such items as used gloves, rags, and floor sweeping, may be placed in the same drums as the used absorbent. These hazardous waste residues are accumulated on-site and subsequently sent to an off-site licensed hazardous waste TSDF.

Containers which are found to be leaking or in imminent danger of leaking are either opened and the contents transferred to another container or are placed in overpack drums. The facility maintains a stock of overpack drums of sufficient size to hold a 55-gallon steel drum.

D-1 c(1) Types of containers (materials, liners, size)

The Lexington Recycle Center and Service Center accepts containerized wastes in new and reconditioned drums meeting DOT specifications for the transport of hazardous wastes. Often the generators from whom containerized wastes are received will use a solvent from a container at their facility and then put the used solvent back into the same container. Most of the

containers received are Department of Transportation (DOT) or UN approved 55-gallon drums, although, other sizes are often received and handled. The facility regularly accepts containers of various sizes including 5-gallon paint containers, and 16 and 30- gallon containers of parts cleaner and immersion cleaner solvents. Any type of container meeting the DOT of UN requirements may be accepted at the facility.

These containers will range in size from 5 to 350 (totes) gallons. Most containers currently are not lined as the majority of organic chemicals handled at the Lexington Recycle Center are compatible with steel. Container specifications are provided in Table D-1.

D-1c(2) Procedures for handling to avoid rupturing or leaking

Containers holding hazardous waste will not be opened, handled or stored in a manner which may rupture the container or cause it to leak. Containers are transported within the facility by trained personnel using lift trucks with drum handling attachments and will not be open or without a proper closure device while moving. In addition, containers will not be exposed to excessive heat.

D-1 c(3) Weekly inspections for deterioration caused by corrosion or other factors

Container storage areas are inspected daily in accordance with the facility's Inspection Plan (Section F). Among the items checked during the daily inspection are the condition and configuration of the waste containers, and the integrity of the secondary containment system.

D-1c(4) Machinery, equipment, and procedures used to move containers

When a shipment of containers is accepted at the facility, it is unloaded from the truck trailer using a lift truck fitted with drum handling or pallet handling attachments (as appropriate).

D-1 c(5) Adequate aisle space for machinery, inspections, and to meet fire codes

Containers are stored in double rows, with at least 2 feet of aisle space between rows to allow access for inspection and the movement of fire and personnel protective equipment. Flammable materials are stored in compliance with National Fire Protection Association guidelines

D-1c(6) Maximum number, height, volume, and types of containers in storage area

Safety-Kleen may store any type and size of containers in all of the permitted storage areas. Since most of the waste containers received at the Lexington Recycle Center are from various generators, it is not practical to predict the types and number of each type of containers that may be stored in the container storage areas. However, Safety-Kleen will maintain daily inventory records to ensure that the total volume of waste is within the permit limits.

Containers of non-flammable materials would be stored up to 10 feet high stacks. Ignitable wastes may be stored in any waste container storage area. Smoking is prohibited in the container storage areas, which are posted with "No Smoking" signs. Attachment D-2 provides container storage capacity in each container storage area and the available secondary containment capacity.

D-1 c(7) Waste container always kept closed except when adding or removing waste

Containers in storage are kept closed with all closure devices secure, preventing evaporation of any volatile materials in the containers (the solvents received at the facility are valuable product, and therefore, Safety-Kleen minimizes opportunities for loss). Containers are stored upright, on pallets or not, depending upon how they are received.

D-1 c(8) Location of ignitable, reactive, or incompatible waste

Wastes material managed at the Lexington Recycle Center are typically compatible with one another and are stored in the container storage areas by

compatibility. The wastes are often segregated based on the types of wastes for ease of handling and processing.

Any incompatible materials received at the Lexington Recycle Center will be managed as detailed below:

1. Incompatible wastes or materials will not be placed in the same container.

2. Incompatible wastes or materials will not be placed in an unwashed container that previously held incompatible material.

3. Containers holding hazardous waste that is incompatible with any waste or other materials stored in nearby containers, will be separated by dike, berm, wall or other means (e.g., sufficient distance to prevent mixing if spilled, an absorbent boom, etc.) to prevent the materials from coming into contact with each other.

Smoking is not allowed anywhere within the active areas of the facility. No Smoking signs are posted throughout the facility. Areas where ignitable waste are stored are greater than fifty (50) feet from the property boundary. A description of the fire detection and alarm systems is provided in Section F.

D-1 c(9) Marking and labels placed on containers

Containers are labeled in compliance with RCRA and other applicable state and federal regulations.

D-2 TANK SYSTEMS

The storage tanks at the Lexington Recycle Center are used for a variety of purposes, including product storage, chemical fuel blending and storage, in-process materials storage, and hazardous waste storage. Of these uses, the storage of hazardous wastes and chemical fuels are the only uses that are regulated under RCRA. This section describes the storage of regulated materials at

the Lexington Recycle Center. All tanks that are used for hazardous waste storage potentially manage all waste streams listed on the Part A.

General Description (types, volume, waste stored, operating pressure and temperature

The Lexington Recycle Center manages wastes in tanks meeting applicable U.S. EPA and South Carolina DHEC standards for the storage of hazardous wastes. Tanks used at the facility are above ground. Tank detail sheets showing tank dimensions, shell thickness, supports, foundation, and other information for existing and proposed waste tanks at the facility, and construction detail drawings for the tank farms are provided in Exhibits 15 through 37a.

Hazardous wastes received at the facility are managed in existing Tank Farm Nos. 1, 3A, 3B, and 6B. The locations of the tank farms and areas are shown on Exhibit 1.

Tanks at the facility are designed to UL, API and NFPA codes. Because the tank structural and design standards for storage of product or waste materials are similar, existing waste tanks, in-process material tanks, and product storage tanks at the facility will meet engineering requirements for waste storage.

Waste tanks at the Lexington Recycle Center are constructed of carbon or stainless steel. Tanks are closed-top and integrally constructed. Flat-bottom tanks greater than 15 years old that may contain waste materials are situated on grooved stainless-steel bars and visually evaluated to detect any leaks from the bottom of the tanks. Cone-bottom and dish-bottom tanks are situated on legs; some cone-bottom tanks may be skirted, but the skirts have access manways to allow for easy inspection and maintenance.

All tanks are operated within a nominal temperature and pressure range. Precautions to prevent ignition of ignitable wastes are described in Section F-5a.

Management of ignitable wastes (including the use of buffer zones) is described in Section F-5e.

Waste material managed at the Lexington Recycle Center are typically compatible with one another and are stored in the same tank farm areas.

If any incompatible materials are received at the Lexington Recycle Center they will be managed as detailed below:

1. Incompatible wastes or materials will not be placed in the same tanks.

2. Incompatible wastes or materials will not be placed in an unwashed tank that previously held an incompatible material.

3. Tanks holding hazardous wastes that are incompatible with any waste or other materials stored in nearby tanks, will be separated by a dike, berm, or other means to prevent the materials from coming into contact with each other.

D-2a EXISTING TANK SYSTEMS

There are thirty-five (35) hazardous waste storage tanks at the Lexington Recycle Center, ranging in size from 10,000 gallons to 20,000 gallons presently permitted and in use. These tanks are located in Tank Farms Nos. 1, 3A, 3B, and 6B. The existing hazardous waste storage capacity at the Lexington Recycle Center is 612,000 gallons.

Twenty (20) tanks located in Tank Farm 2 are currently used for product and in-process materials and are permitted but require a coating on the secondary containment prior to being placed into hazardous waste service. In the future these tanks storing product and in-process materials may be used to store hazardous waste once the required coating is installed. The tank capacity requiring a secondary containment coating in Tank Farm 2 is 344,700.

Tank Farm No. 1 is an existing tank system located south of the laboratory and Process Building No.1 and contains 16 RCRA regulated existing carbon

steel storage tanks. Nine additional tanks are proposed to be added to Tank Farm No. 1. Secondary containment calculations are shown in Attachment D-3.

Tank Farm No. 2 is an existing tank farm located on the northeast portion of the facility approximately 60 feet east of Truck Station No. 1 and contains 20 tanks. All tank usage in Tank Farm No. 2 is currently in-process or product storage (including diesel fuel) and no hazardous waste materials are currently managed in this tank farm, although these tanks are permitted to store hazardous waste, and may do so again at some time in the future.

Tank Farm No. 3A, and 3B are located south of Process Building No. 1. Tank Farm 3A was formerly called Tank Farm No. 3. Tank Farm 3C is a new tank system that will be built adjacent to 3B. Fourteen tanks have been installed for hazardous waste, product, and in-process storage. The tanks are 10,000-gallon, 18,500 gallon and 20,000-gallon dish bottom tanks. All of the tanks have been constructed of carbon steel except tank #80 which is stainless steel. Exhibits 16 and 17 contain construction details of Tank Farm 3A and 3B. Secondary containment calculations are shown in Attachment D-3.

Tank Farm No. 6B is located at the service center and consists of five (5) existing and three (3) proposed product and waste storage tanks. These tanks and secondary containment replace underground tanks previously used at the service center. Exhibits 25 and 26 contain construction details of Tank Farm No. 6. Secondary containment calculations are shown in Attachment D-3.

Tables D-2 through D-9 list tanks that are existing, proposed or under construction at the facility and indicate those that Safety-Kleen uses for hazardous waste storage in the designated tanks farms. The tanks for which Safety-Kleen requests a permit to hold RCRA hazardous waste are denoted with the words “RCRA Permitted” on the tables. Tanks in existing Tank Farm No. 2 are currently used only for storage of in-process and product materials but in the future may be used to store hazardous waste after a secondary containment coating

is installed.

Tank use assignments are subject to change as business conditions change. Only tanks designated for and permitted for hazardous waste storage will be used to manage RCRA regulated materials.

D-2a(1) Tank Assessment

Tank assessment are conducted pursuant to the Steel Tank Institute standards, particularly STI-SP001. The most recent tank assessments are on file at the facility.

D-2a(2) External Corrosion Protection

Tank corrosion and erosion at the facility are managed via a preventive inspection and maintenance program.

D-2b NEW TANK SYSTEMS

An additional 1,826,500 gallons of permitted tank storage capacity in 80 tanks is included in the current Part B Operating Permit, however these tanks have not yet been constructed. These 23 tanks are included in Tank Farms: 1, 3C, 4A, 4B, 4C, 4D, 4E, 5A, 5B, 6A and 6B.

Tank Farm 3C is a proposed tank system that will be built adjacent to 3B. Eight new tanks will be installed for hazardous waste storage in Tank Farm No. 3C. The tanks will be 18,500-gallon dish. Exhibit 18 contains construction details of Tank Farm 3C. Secondary containment calculations are shown in Attachment D-3.

Tank Farm No. 4A, 4B, 4C and 4D are proposed tank systems located south of Container Storage Area No. 1. Exhibits 19-22 contain construction details of Tank Farms 4A, 4B, 4C and 4D. Secondary containment calculations are located in Attachment D-3.

Tank Farm No. 5A and B are proposed future tank system containing fourteen 18,500-gallon tanks Details of Tank Farm No. 5 are contained

in Exhibit 23 and 24. Secondary containment calculations are shown in Attachment D-3.

Tank Farm No. 6A is proposed to be located adjacent to the operations center and consists of four proposed waste storage tanks. These tanks and secondary containment area replace underground tanks previously used at the service center. Exhibits 25 and 26 contain construction details of Tank Farm No. 6. Secondary containment calculations are shown in Attachment D-3.

D-2b(1) Tank Assessment

Tank assessments for any new tank system will be on file at the facility.

D-2b(2) External Corrosion Protection

Information on External Corrosion Protection is provided in Section D-2a(2).

D-2b(3) Installation and Testing Plans and Procedures

Each proposed tank system will be inspected by an qualified installation inspector or an, qualified, registered professional engineer for the presence of weld breaks, punctures, scrapes of protective coatings, cracks, corrosion and other structural damage or inadequate construction/installation prior to placing the system into operation. Additionally, all tanks will be tested for tightness by an approved method prior to placing the tank system in use. Any discrepancies (ex. failure of tightness test) which are discovered will be repaired prior to placing the tanks into operation.

D-2c DIMENSIONS AND CAPACITY OF EACH TANK

Tanks used at the facility are above ground. Tank detail sheets showing tank dimensions, shell thickness, supports, foundation, and other information for existing and proposed waste tanks at the facility, and construction detail drawings for the tank farms are provided in Exhibits 15 through 37a.

D-2d DESCRIPTION OF FEED SYSTEMS, SAFETY CUTOFF, BYPASS SYSTEMS AND PRESSURE CONTROLS

Tanks are inspected daily to detect any leaks from or damage to the tanks. Piping used at the facility, with the exception of the flexible hoses used in the truck stations, is carbon steel or stainless steel. Flexible hoses are used only within secondary containment systems. Permanent piping is located above ground and is inspected daily to ensure that structural integrity is maintained and that no leaks or drips are occurring. Couplings at pump stations and transfer points are done with flexible hoses equipped with mating camlock connectors. Camlock fittings are hose connectors which are matched pairs and are either bronze or stainless steel.

Pumps associated with new storage tank systems will be located within secondary containment. Permanent piping and other ancillary equipment associated with new waste storage tank systems will be inspected daily as required by R.61-79.264.193. Permanent piping located outside of secondary containment systems will be of continuous weld construction and the pipe connections will be made using welded flanges. Piping, valves, pumps, and other ancillary equipment used for handling wastes will meet STI, API and or ASTM standards and are inspected and constructed according to RCRA regulations for ancillary equipment.

Gasket material is used at tank fitting connections, pump connections, and certain other connections. The types of gasket material currently in use include different types of synthetic materials. Gaskets are considered to be maintenance and repair items and are normally discarded and replaced whenever maintenance work is performed on a particular fitting or connection. Gasket material selection is based on a combination of operating experience and manufacturer's recommendations. Therefore, replacement gasket materials will be selected to provide the same or better performance as those currently in use, although the specific materials may differ.

D-2e DIAGRAM OF PIPING, INSTRUMENTATION, AND PROCESS FLOW

Process flow diagrams are included as Exhibits 38 to 42.

D-2f CONTAINMENT AND DETECTION OF RELEASES

The secondary containment systems, both present and future, have sumps for collection of any accumulated liquid within the tank farms. In the event of a release of a large volume of material inside a containment system, the spilled material or precipitation from rainfall drain towards the sumps and are collected in the sumps. The accumulated liquid is removed from the containment area either by means of a pump or a vacuum truck. Upon removal of the accumulated liquid, any remaining wet spots will be cleaned up using absorbent (oil dry) materials. These hazardous waste residues are either accumulated on-site and subsequently sent to an off-site licensed hazardous waste TSDF or processed on-site.

The secondary containment is also designed, installed and operated in order to prevent any migration of waste or accumulated liquid from the tank system.

D-2f(1) Plans and Description of the Design, Construction, and Operation of Secondary Containment System

The secondary containment systems for the tank farms are constructed of reinforced concrete. There is sufficient containment capacity to contain the largest tank and 24-hour, 25-year rainfall event as well as prevent migration of waste from the tank system to the outside environment. Attachment D-3 contains the secondary containment volume of the tank farms.

Containment calculations are presented in Attachment D-3. The base of the secondary containment will be treated with a chemical resistant sealant to prevent migration of the waste through the concrete base.

The specifications and standards for foundations design are discussed in the tank assessment (included as Attachment D-1). The foundation design consists of a concrete slab and a compacted subgrade. The subgrade should have a minimum bearing capacity of 3,000 pounds per square foot. The reinforced concrete base should develop a compression strength of 4,000 pounds per square inch which should be adequate to withstand pressure gradients, climatic conditions and stresses from daily operations. Concrete details for each tank farm are provided in Exhibits 15-26. The secondary containment for all tanks is maintained free of cracks and gaps.

All new hazardous waste tanks will be above ground, cone bottom, dish bottom, or flat bottom tanks and will be placed inside secondary containment systems meeting the requirements of R. 61-79.264.193. All new tank systems and ancillary equipment are tested for tightness prior to being placed in service and any discrepancies (i.e., leakage from pipe fittings pumps, flanges, seals) are addressed immediately. Refer to Attachment D-1. Flat bottom tanks are placed on stainless steel bars (1" high x 3" wide) to allow visual inspection for leaks beneath that tank. Tanks and tank farms are inspected daily in accordance with the inspection plan in Section F of the Part B Permit Application. Among the items included in the inspection are condition of the tanks, integrity of the secondary containment system and condition of tank level gauges and other ancillary equipment. Leaks or spills will be detected within 24 hours during daily inspection. Liquids from minor spills and leaks are cleaned up immediately upon notice using absorbent material. Per requirements of R.61-79.264.175(b)(5), spilled or leaked waste and accumulated precipitation will be analyzed for hazardous waste constituents immediately, based upon knowledge of waste managed in the unit and the facility operating records. Spilled or leaked waste and accumulated precipitation will be removed in a timely manner, to prevent overflow of the containment, by using stationary or portable pumps and/or a portable vacuum truck. Spilled liquids and precipitation handled as hazardous waste will be shipped offsite via permitted transporter to a permitted TSDF or processed on-site. Field-fabricated corrosion protection

systems, as addressed in R.61- 79.264.16(f) and R. 61-79.270.16(e) are not necessary nor are they a part of the Lexington facility.

D-2f(1)(a) Tank Age Determination

This information is provided in Tables D-2 - D-9.

D-2f(1)(b) Requirements for Secondary Containment and Leak Detection

All tanks are located in tank farms and are provided with secondary containment. Secondary containment is provided by a concrete slab and concrete containment walls surrounding the tank farm. The concrete surface of each area is sloped to allow drainage to sumps. The concrete is treated with a chemical resistant sealant to prevent migration of the waste through the concrete base. The containment volume in each tank farm is sufficient to contain 100% of the largest tank volume plus precipitation from a 24-hour, 25-year storm. Secondary Containment calculations are presented in Attachment D-3.

The tank farm areas and sumps are inspected daily for leaks or spills. If a leak or spill is detected, then it will be removed within a maximum of 24-hours using a portable pump or vacuum truck. This will be ensured by performing daily inspections within 24 hours of one another.

D-2f(1)(c) Requirements for External Liner

Tanks are located in tank farms. Calculations to show that sufficient containment is provided to contain 100% of the volume of the largest tank plus a 24-hour 25-year storm are provided in Attachment D-3.

D-2f(1)(d) Secondary Containment and Leak Detection Requirements for Ancillary Equipment

The hazardous waste tanks at the Lexington Recycle Center are atmospheric tanks and operate at ambient temperatures. The above ground tanks are equipped with level gauges to monitor levels in the tanks during loading and

unloading operations. Each tank is also equipped with manually operated valves and sufficient free board is maintained in each tank to prevent overfilling. In the event of an overflow of a tank or an emergency, the pump connected to the transfer line will be turned off prior to closing the valve leading to the tank.

Ancillary equipment such as piping, fittings, flanges, valves and pumps, is above ground and can be visually inspected for leaks during daily inspection. Ancillary equipment is supported and protected from damage. Piping outside of the secondary containment will be constructed with welded flanges and will be inspected for leaks on a daily basis.

D-2g CONTROLS AND PRACTICES TO PREVENT SPILLS AND OVERFLOWS

Management of bulk wastes generally involves storage of wastes as well as transfers to and from the truck loading/unloading stations, container storage areas, and railcar facility. When a tanker or railcar loaded with waste is accepted at this facility, the manifest or shipping papers are examined to ensure that the waste matches the pre-shipment documentation and the contents are sampled, using the procedures discussed in the Waste Analysis Plan (Section C) of this permit application, to confirm that the wastes are suited for storage and processing at the Lexington Recycle Center. Bulk shipments of waste are accepted for processing through the facility solvent recovery and recycling operations or fuels program.

After the waste analyses have been completed, wastes in incoming tankers (and railcars) are pumped to the storage tank assigned by the facility management. On occasion, the contents of a tanker or railcar may be transferred directly to the process units. Transfers to and from tanker trucks or railcars will take place when the tanker or railcar is located within a secondary contained truck station or railcar facility. Tankers and railcars are electrically grounded during transfer operations, which are observed at all times by a trained Safety-Kleen employee. This observation ensures that tank overfills are

prevented, and that any spills or leaks from tanks or lines will be observed and immediately responded to. Materials received and processed at the facility are viewed as valuable products; therefore, loss of the materials is minimized.

Material is transferred into and out of tanks using pumps. Tanks are normally bottom-filled and bottom emptied, although some cone-bottom tanks have a second fitting near the bottom of the straight side which can also be used for filling and emptying. On occasion, materials may be circulated in and out of certain tank to promote mixing, which can improve the homogeneity of the material. Material transfers are controlled by operators trained and skilled in chemical plant procedures. Tanks are equipped with a high-level alarm to prevent overflow and spills.

Tanks and tank farms are inspected daily, in accordance with the Inspection Plan in Section F of this permit application. Among the items included in the inspection are condition of tanks, integrity of secondary containment systems, and condition of tank level gauges and other ancillary equipment. Storage tank inventories are measured on a plant-wide basis each week. Operational inventories are measured each time material moves into or out of a storage tank, including transfer of materials into or out of a tanker or railcar, into or out of a production process, or into or out of another storage tank. An advance check on tank inventory is performed by the production supervisor to verify that there is available unused storage capacity remaining in the tank to receive the material being transferred.

Table D-1
Container Specifications

Table D-1
Container Specifications

Gallons	Pallet	Example Arrangement	Example Size
16 (plastic & stack)	9	3X3	14" OD X 27" **H**
30 (plastic & stack)	5	2X2Xl	20" OD X 27" **H**
55 (drums)	4	2X2	24" OD X 36" **H**
16 (fiber box)	16	4X4	16" OD X 25" **H**
5 (pails)	64	4X4X4	11" OD X 14" H
60 (overpacks)	4	2X2	26" OD X40" H
350 (totes)	**1**	**1**	48" wide X 55" H

Drum Size	Example Stacking	Typical Stacking Height
16	Quadruple Stacked Pallets	96"
30	Double Stacked Pallets	64"
55	Double Stacked Pallets	
55	Triple Stacked (w/o Pallets) Triple Stacked (w/ Pallets)	108" 120"
5	Double Stacked	122"
16 Fiber Box	Quadruple Stacked Pallets	120"
350 Totes	Triple Stacked	165"

NOTE: All containers meet DOT Specifications

TABLE D-1A
Container Storage Capacity and Secondary Containment Capacity

Storage Area Number	Total Storage Capacity (gallons)	10% of Total Storage Capacity (Gallons)	Calculated Secondary Containment (Gallons)
1A	99 ,660	9,966	35,285
1B	99 ,660	9,966	35, I 50
1C	99 ,660	9,966	25,84 I
1D (Proposed)	99,660	9,966	(Proposed)
3	79,486	7,948	10,250
TOTAL*	478,260		

** Total Container Storage Capacity (with 99,600 gallons proposed construction to be approved by the Department prior to operation)*

NOTE: The Container Storage Capacity will never exceed the permitted capacity shown in the approved Part A Application

Table D-2
Tank Schedule
Tank Farm Number 1

TABLE D-2
Tank Schedule - Tank Farm 1

Tank	Type	Assigned Use	Capacity (Gal.)	Existing (Y-Yes N-No)	Date Installed
1 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	**N**	Proposed
2 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	**N**	Proposed
3 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	**N**	Proposed
4(RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	**N**	Proposed
5 (RCRA PERMITTED)	CS/FB	Hazardous Waste Storage	20,000	y	April, 1986
6 (RCRA PERMITTED)	CS/FB	Hazardous Waste Storage	20,000	y	April, 1986
7 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	**N**	Proposed
8 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
9 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
10 (RCRA PERMITTED)	CS/FB	In Process Storage	20,000	y	April, 1986
11 (RCRA PERMITTED)	CS/FB	Hazardous Waste Storage	20,000	y	April, 1986
12 (RCRA PERMITTED)	CS/CB	Hazardous Waste Storage	10,000	y	July, 1975
13 (RCRA PERMITTED)	CS/CB	Hazardous Waste Storage	10,000	y	July, 1975
14 (RCRA PERMITTED)	CS/CB	Hazardous Waste Storage	10,000	y	July, 1975
15 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
16 (RCRA PERMITTED)	CS/CB	Hazardous Waste Storage	15,000	y	July, 1975
17 (RCRA PERMITTED)	CS/CB	Hazardous Waste Storage	15,000	y	March, 1980
18 (RCRA PERMITTED)	CS/CB	Hazardous Waste Storage	15,000	y	March, 1980
19 (RCRA PERMITTED)	CS/CB	Hazardous Waste Storage	15,000	y	March, 1980
20 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
21 (RCRA PERMITTED)	CS/CB	Hazardous Waste Storage	15,000	y	April, 1986
22 (RCRA PERMITTED)	CS/CB	Hazardous Waste Storage	15,000	y	April, 1986
23 (RCRA PERMITTED)	CS/CB	Hazardous Waste Storage	15,000	y	April, 1986
24 (RCRA PERMITTED)	CS/CB	Hazardous Waste Storage	15,000	y	April, 1986
25 (RCRA PERMITTED)	CS/CB	Hazardous Waste Storage	15,000	y	July, 1975

FB - Flat Bottom CS - Carbon Steel CB - Cone Bottom DB - Dish Bottom

Table D-3
Tank Schedule
Tank Farm Number 2

TABLE D-3
Tank Schedule - Tank Farm 2

Tank	Type	Assigned Use	Capacity (Gal.)	Existing (Y-Yes N-No)	Date Installed
41(*RCRA PERMITTED)	CS-UFB	Product Storage	10,000	y	April 1986
42(*RCRA PERMITTED)	CS-UFB	Product Storage	10,000	y	April 1986
43(*RCRA PERMITTED)	CS-UFB	Product Storage	10,000	y	April 1986
44 (*RCRA PERMITTED)	CS-L/FB	In-Process Storage	10,000	y	April 1986
45 (*RCRA PERMITTED)	CS/FB	Product Storage	10,000	y	July 1975
46 (*RCRA PERMITTED)	CS/FB	Product Storage	20,000	y	July 1975
47 (*RCRA PERMITTED)	CS/FB	Product Storage	20,000	y	July 1975
48(*RCRA PERMITTED)	CS/FB	Product Storage	20,000	y	July 1975
49 (*RCRA PERMITTED)	CS-UFB	Product Storage	20,000	y	July 1975
50(*RCRA PERMITTED)	CS-UFB	Product Storage	20,000	y	April, 1986
51 (*RCRA PERMITTED)	CS/FB	Product Storage	20 000	y	July 1975
52(*RCRA PERMITTED)	CS/FB	Product Storage	20 000	y	July 1975
53(*RCRA PERMITTED)	CS/FB	Product Storage	20 000	y	July 1975
54 (*RCRA PERMITTED)	CS/FB	In-Process Storage	20,000	y	July 1975
55 (*RCRA PERMITTED)	CS-L/FB	In-Process Storage	15,000	y	April 1986
56 (*RCRA PERMITTED)	CS/FB	Product Storage	19 900	y	1988
57 (*RCRA PERMITTED)	CS /FB	Product Storage	19 900	y	April 1986
58 (*RCRA PERMITTED)	CS/FB	Product Storage	19 900	y	April 1986
59(*RCRA PERMITTED)	CS /FB	Product Storage	20 000	y	July 1975
60 (*RCRA PERMITTED)	CS/FB	Product Storage	20 000	y	April 1986

* Constructed Tanks Requiring Containment Coating Prior to Hazardous Waste Operation

FB - Flat Bottom CB - Cone Bottom DB - Dish Bottom
CS - Carbon Steel CS-L - Carbon Steel Lined SS - Stainless Steel

Table D-4
Tank Schedules
Tank Farms Numbers 3A and 3B

TABLE D-4
Tank Schedule
Tank Farm 3A

Tank	Type	Assigned Use	Capacity (Gal.)	Existing (Y-Yes N-No)	Date Installed
73 (RCRA PERMITTED)	CS-UFB	Hazardous Waste Storage	20,000	y	April, 1986
75 (RCRA PERMITTED)	CS-UFB	Hazardous Waste Storage	20,000	y	April, 1986
76 (RCRA PERMITTED)	CS-UFB	Hazardous Waste Storage	20,000	y	April, 1986
77 (RCRA PERMITTED)	CS-UFB	Hazardous Waste Storage	10,000	y	April, 1986
78 (RCRA PERMITTED)	CS-UFB	Hazardous Waste Storage	20,000	y	April, 1986
80 (RCRA PERMITTED)	SS/CB	Product Storage/Hazardous Waste Storage	20,000	y	April, 1986

TABLE D-5
Tank Schedule
TankFarm3B

Tank	Type	Assigned Use	Capacity (Gal.)	Existing (Y-Yes N-No)	Date Installed
81 (RCRA PERMITTED)	CS-UFB	Hazardous Waste Storage	20,000	y	Dec. 1989
82 (RCRA PERMITTED)	CS-UFB	Hazardous Waste Storage	20,000	y	Dec. 1989
83 (RCRA PERMITTED)	CS-UFB	Hazardous Waste Storage	20,000	y	Dec. 1989
85 (RCRA PERMITTED)	CS-UFB	Hazardous Waste Storage	20,000	y	Dec. 1989
86 (RCRA PERMITTED)	CS-UFB	Hazardous Waste Storage	20,000	y	Dec. 1989
87(RCRA PERMITTED)	CS/DB	Product Storage	20 000	y	Dec. 1989
88 (RCRA PERMITTED)	SS/CB	Product Storage/Hazardous Waste Storage	20,000	y	Dec. 1989
90 (RCRA PERMITTED)	CS/DB	Product Storage/Hazardous Waste Storage	20,000	y	Dec. 1989

FB - Flat Bottom CS - Carbon Steel CS-L- Carbon Steel Lined SS - Stainless Steel
CB - Cone Bottom DB - Dish Bottom FB - Flat Bottom

Table D-6
Tank Schedule
Tank Farm Number 3C

TABLE D-6
Tank Schedule
Tank Farm 3C (Permitted, Not Yet Constructed)

Tank	Type	Assigned Use	Capacity (Gal.)	Existing (Y-Yes N-No)	Date Installed
91 (RCRA Permitted)	CS/DB	Hazardous Waste Storage	18,500	**N**	Proposed
92 (RCRA Permitted)	CS/DB	Hazardous Waste Storage	18,500	**N**	Proposed
93 (RCRA Permitted)	CS/DB	Hazardous Waste Storage	18,500	**N**	Proposed
95 (RCRA Permitted)	CS/DB	Hazardous Waste Storage	18,500	**N**	Proposed
96 (RCRA Permitted)	CS/DB	Hazardous Waste Storage	18,500	**N**	Proposed
97 (RCRA Permitted)	CS/DB	Hazardous Waste Storage	18,500	**N**	Proposed
98 (RCRA Permitted)	CS/DB	Hazardous Waste Storage	18,500	**N**	Proposed
100 (RCRA Permitted)	CS/DB	Hazardous Waste Storage	18,500	**N**	Proposed

FB - Flat Bottom CS - Carbon Steel CB - Cone Bottom DB - Dish Bottom

TABLE D-7
Tank Schedule
Tank Farms: 4A, 4B, 4C, 4D, 4E
Proposed Tank Farms

TABLE D-7
Tank Schedule
Tank Farms: 4A, 4B, 4C, 4D, 4E
Proposed Tank Farms

Tank Farm 4A

Tank	Type	Assigned Use	Capacity (Gal.)	Existing (Y-Yes N-No)	Date Installed
101 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
102 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
103 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
104 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed

Tank Farm 4B

Tank	Type	Assigned Use	Capacity (Gal.)	Existing (Y-Yes N-No)	Date Installed
105 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	39,500	N	Proposed
106 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	39,500	N	Proposed
107 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	39,500	N	Proposed
108 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	39,500	N	Proposed
109 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	39,500	N	Proposed
110 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	39,500	N	Proposed
111 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	39,500	N	Proposed
112 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	39,500	N	Proposed

Tank Farm 4C

Tank	Type	Assigned Use	Capacity (Gal.)	Existing (Y-Yes N-No)	Date Installed
113 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	39,500	N	Proposed
114 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	39,500	N	Proposed
115 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	39,500	N	Proposed
116 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	39,500	N	Proposed
117 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	39,500	N	Proposed

FB - Flat Bottom CS - Carbon Steel CS-L - Carbon Steel Lined SS - Stainless Steel
CB - Cone Bottom DB - Dish Bottom FB - Flat Bottom

118 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	39,500	N	Proposed
119 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	39,500	N	Proposed
120 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	39,500	N	Proposed

Tank Farm 4D

Tank	Type	Assigned Use	Capacity (Gal.)	Existing (Y-Yes N-No)	Date Installed
121 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
122 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
123 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
124 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
125 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
126 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
127 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
128 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
129 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
130 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed

Tank Farm 4E

Tank	Type	Assigned Use	Capacity (Gal.)	Existing (Y-Yes N-No)	Date Installed
131(RCRA PERMITTED)	CS/DB	In-Process Storage	18,500	N	Proposed
132 (RCRA PERMITTED)	CS/DB	In-Process Storage	18,500	N	Proposed
133 (RCRA PERMITTED)	CS/DB	In-Process Storage	18,500	N	Proposed
134 (RCRA PERMITTED)	CS/DB	In-Process Storage	18,500	N	Proposed
135 (RCRA PERMITTED)	CS/DB	In-Process Storage	18,500	N	Proposed
136 (RCRA PERMITTED)	CS/DB	In-Process Storage	18,500	N	Proposed
137 (RCRA PERMITTED)	CS/DB	In-Process Storage	18,500	N	Proposed
138(RCRA PERMITTED)	CS/DB	In-Process Storage	18,500	N	Proposed
139 (RCRA PERMITTED)	CS/DB	In-Process Storage	18,500	N	Proposed
140(RCRA PERMITTED)	CS/DB	In-Process Storage	18,500	N	Proposed

FB - Flat Bottom CS - Carbon Steel CS-L - Carbon Steel Lined SS - Stainless Steel
CB - Cone Bottom DB - Dish Bottom FB - Flat Bottom

TABLE D-8
Tank Schedule
Tank Farms: 5A, 5B
Proposed Tank Farms

TABLE D-8
Tank Schedule
Tank Farms: 5A, 5B
Proposed Tank Farms

Tank Farm 5A

Tank	Type	Assigned Use	Capacity (Gal.)	Existing (Y-Yes N-No)	Date Installed
141 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
142 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
143 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
144 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
145 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
146 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
147 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
148 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed

Tank Farm 5B

Tank	Type	Assigned Use	Capacity (Gal.)	Existing (Y-Yes N-No)	Date Installed
149 (RCRA PERMITTED)	CS/DB	Product Storage	18 500	N	Proposed
150(RCRA PERMITTED)	CS/DB	Product Storage	18,500	N	Proposed
151 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
152 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
153 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
154 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
155 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed
156 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	18,500	N	Proposed

FB - Flat Bottom CS - Carbon Steel CS-L - Carbon Steel Lined SS - Stainless Steel
CB - Cone Bottom DB - Dish Bottom FB - Flat Bottom

TABLE D-9
Tank Schedule
Tank Farms: 6A, 6B
Proposed Tank Farms

TABLE D-9
Tank Schedule Tank Farms:
6A, 6B Existing & Proposed
Tank Farms

Tank Farm 6A

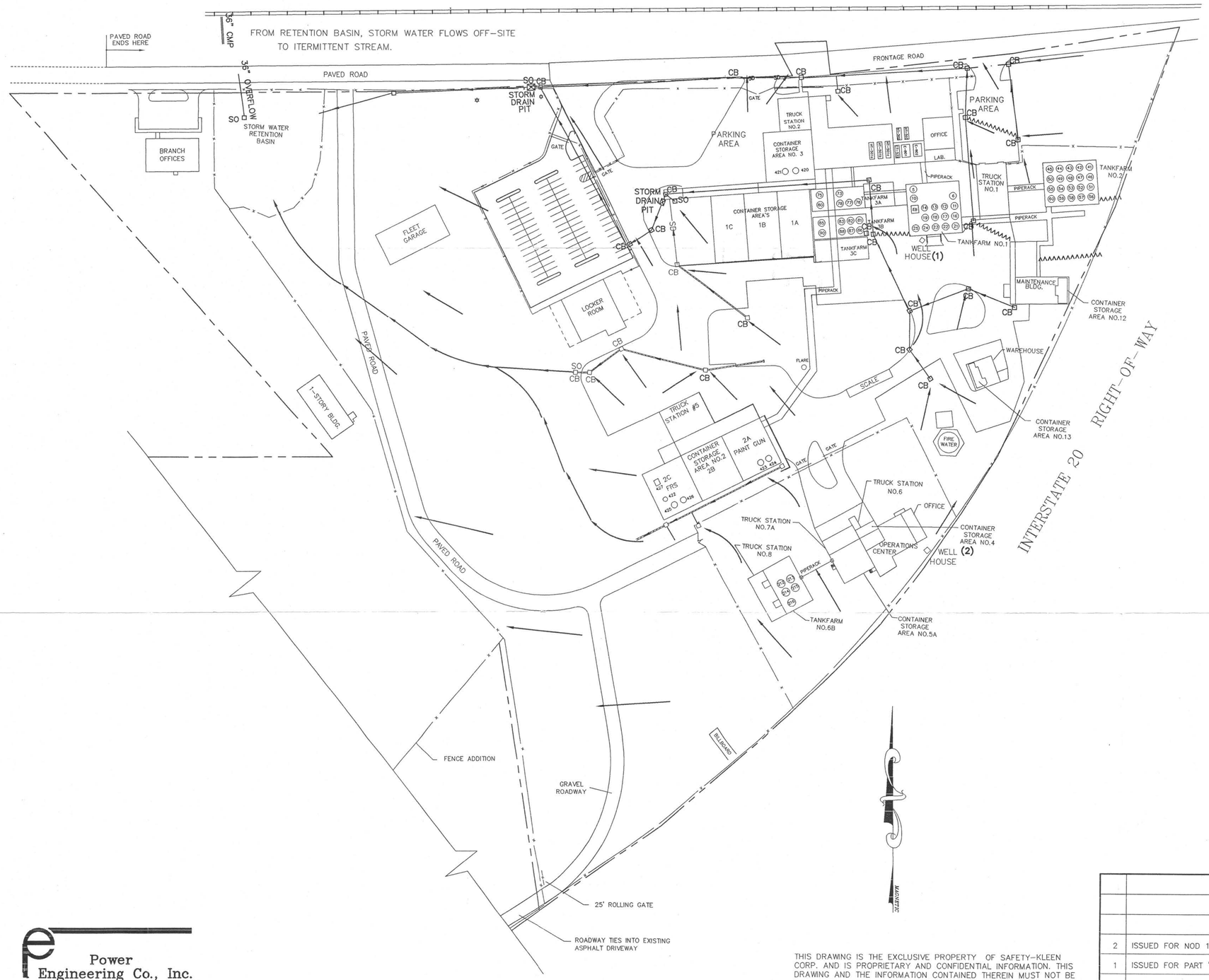
Tank	Type	Assigned Use	Capacity (Gal.)	Existing (Y-Yes N-No)	Date Installed
206 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	20,000	N	Proposed
207 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	20,000	N	Proposed
208 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	20,000	N	Proposed
209 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	20,000	N	Proposed

Tank Farm 6B

Tank	Type	Assigned Use	Capacity (Gal.)	Existing (Y-Yes N-No)	Date Installed
210 (RCRA PERMITTED)	CS/DB	Product Storage	20,000	N	Proposed
211 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	20,000	N	Proposed
212 (RCRA PERMITTED)	CS/DB	Product Storage	20,000	y	May 1989
213 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	20,000	y	May 1989
214 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	20,000	y	May 1989
215 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	20,000	y	May 1989
216 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	20,000	y	March 1991
217 (RCRA PERMITTED)	CS/DB	Hazardous Waste Storage	20,000	N	Proposed

FB - Flat Bottom CS - Carbon Steel CS-L - Carbon Steel Lined SS - Stainless Steel
CB - Cone Bottom DB - Dish Bottom FB - Flat Bottom

NORFOLK SOUTHERN RAILWAY



WELLS

(1) PROVIDES WATER TO BOILERS, COOLING TOWER, OUTDOOR EMERGENCY SHOWERS, AND IC WAREHOUSE.
(2) PROVIDES POTABLE WATER BUT NOT DRINKING WATER TO SERVICE CENTER AREA.

LEGEND

CB = CATCH BASIN
SO = SHUT-OFF VALVE
ΛΛΛΛΛ = BERM TO REDIRECT SURFACE WATER

NOTE:
1) SHUT-OFF VALVES WERE DESIGNED TO STOP FLOW OF LIQUID IN STORM SEWER SYSTEM IN CASE OF A SPILL.
2) ARROWS DENOTE DIRECTION OF WATER FLOW

AS UNITS ARE BUILT, THIS DRAWING WILL BE UPDATED

DF=E92003B1

EXHIBIT 1

NO.	DESCRIPTION	BY CK	PROJ.MGR APPR.	PROCESS APPR.	DATE
2	ISSUED FOR NOD 1997	RDK / KJM			020797
1	ISSUED FOR PART "B" PERMIT NOD	MO'C / KJM			092997
0	NEW RELEASE	MO'C / KJM			082692

REVISIONS

EXISTING STORM WATER DRAINAGE

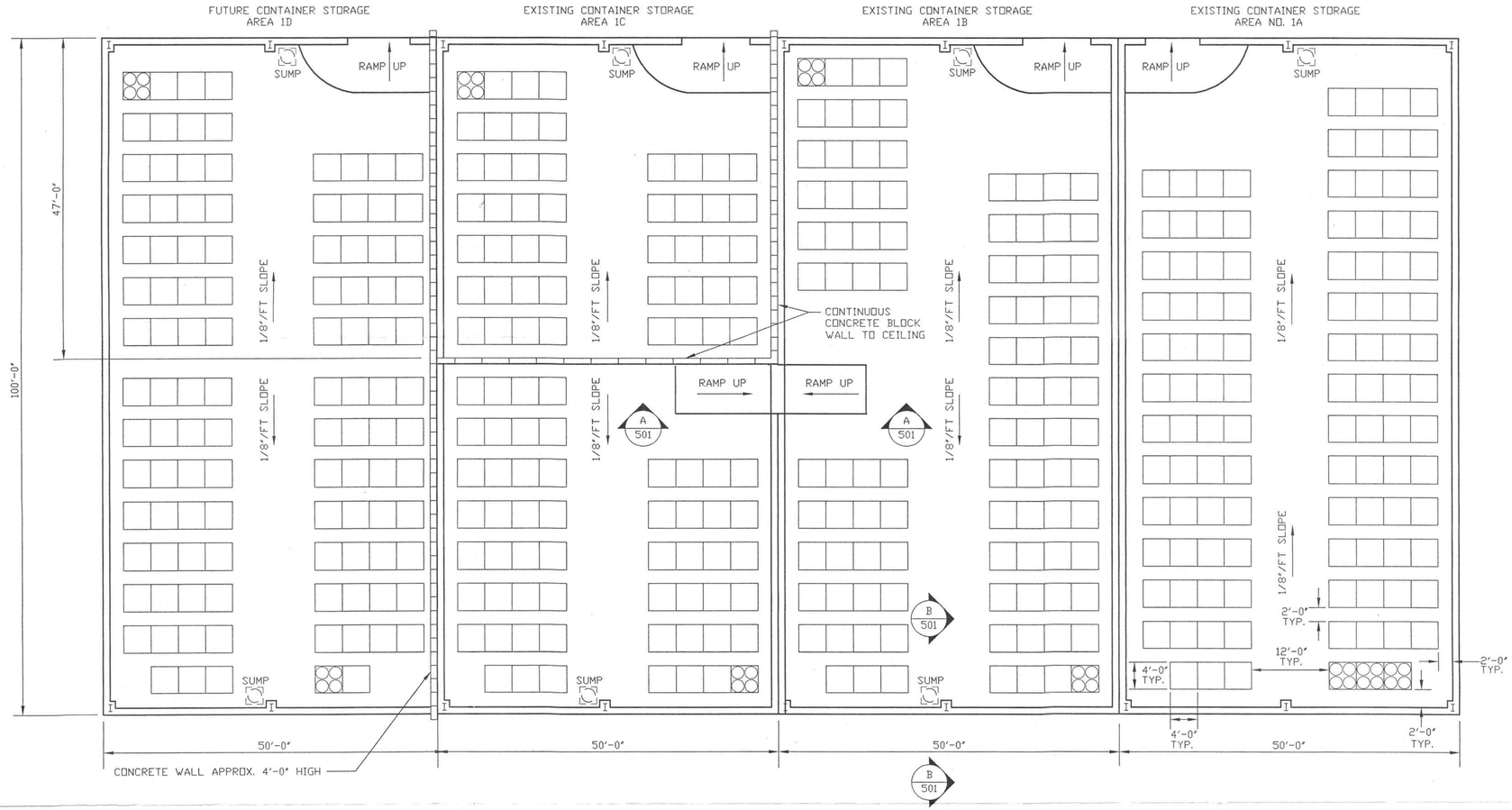
SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

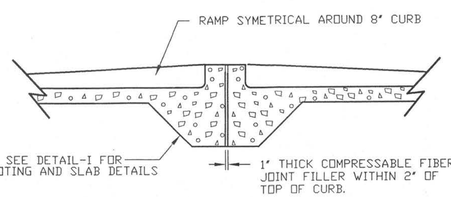
SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
1"=80'	RDK				01/28/92

LEXINGTON, SC RECYCLE CENTER

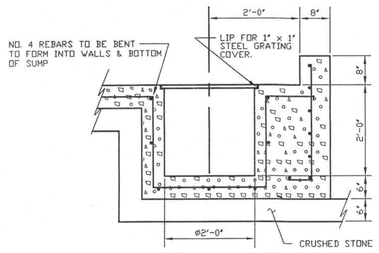
DRAWING NO. 92-6300B-003 REV 1

Power Engineering Co., Inc.
3112 Devine Street
Columbia, S.C. 29205
(803) 799-7600
4801 Chastain Avenue
Charlotte, N.C. 28217
(704) 522-0242

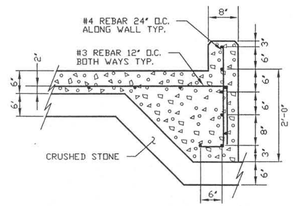




SECTION A-A
SCALE : NONE



SECTION B-B
SCALE : NONE



DETAIL-I
SCALE: 1"=1'-0"

NOTE:

THIS CONTAINER ARRANGEMENT IS FOR ILLUSTRATION PURPOSES ONLY. THE ACTUAL STACKING ARRANGEMENT WILL VARY BUT BE IN ACCORDANCE WITH AISLE SPASING AND OTHER REQUIREMENTS.

DF=E92501B1

EXHIBIT 9

NO.	DESCRIPTION	BY	CK	APPR	DATE
1	ISSUED FOR PART 'B' PERMIT NOD 1997	MCD			1/29/97
0	NEW RELEASE	M.D'C			1/29/92

REVISIONS

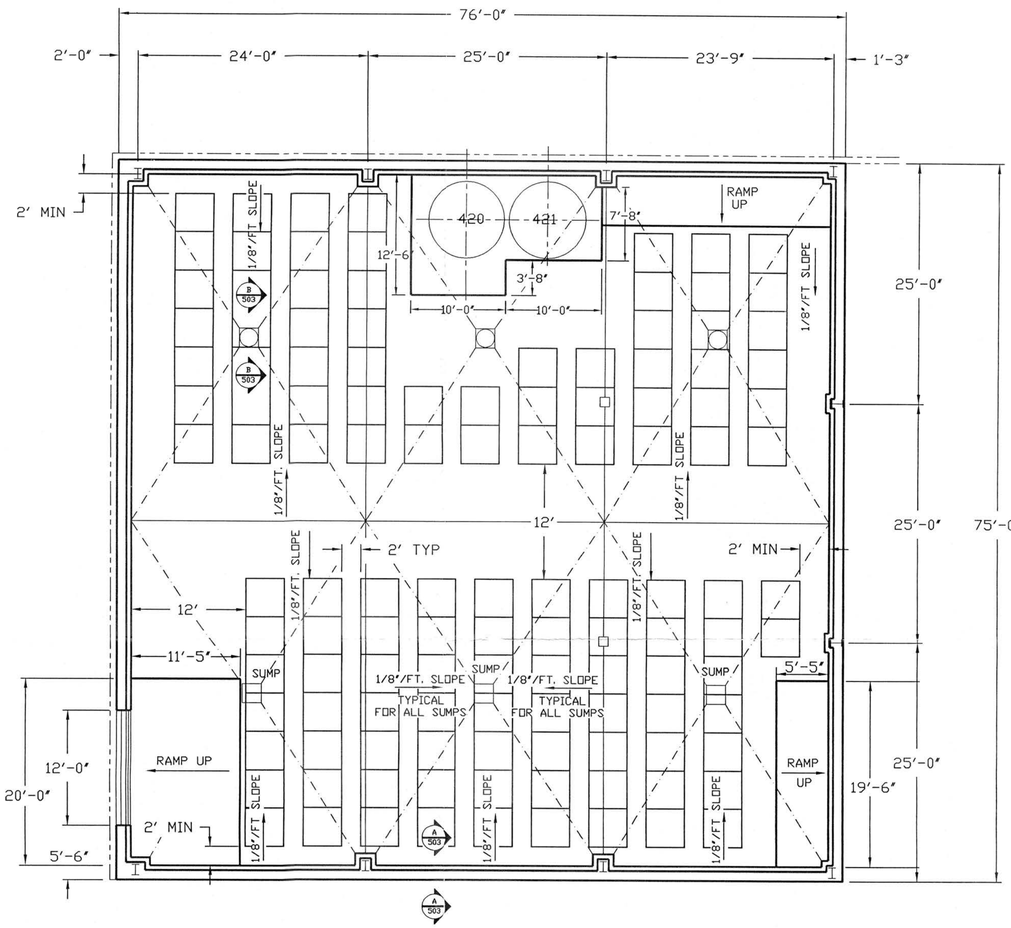
CONTAINER STORAGE AREAS 1A, 1B, 1C, & 1D
(1D Proposed)

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

SCALE	DRAWN	CHECKED	PROJ. ENG. APPR.	OPERATION APPR	DATE
1" = 10'	CEW				9/16/91

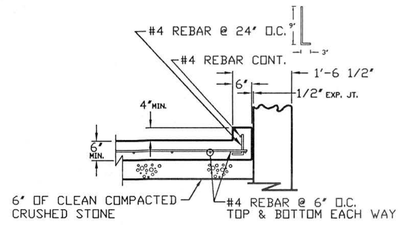
LEXINGTON, S.C. RECYCLE CENTER

DRAWING NO. 92-6300B-501 REV 1



PLAN VIEW

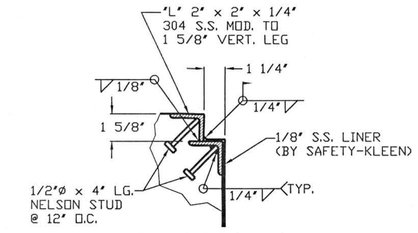
SCALE: 1/8" = 1'-0"



SECTION A-A 503

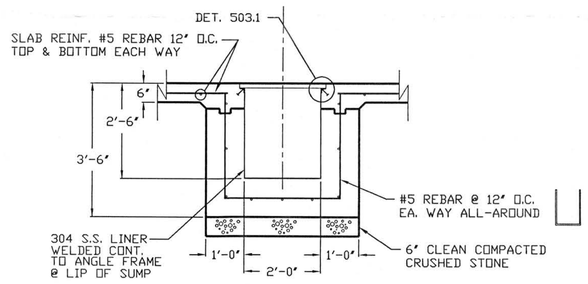
TYPICAL CURB

SCALE : 1/2" = 1'



DETAIL 503.1

SCALE : N.T.S.



SECTION B-B 503

TYPICAL SUMP

SCALE : 1/2" = 1'

DRUM STORAGE NOTE:

THIS CONTAINER ARRANGEMENT IS FOR ILLUSTRATION PURPOSES ONLY. THE ACTUAL STACKING CONFIGURATION WILL VARY BUT REMAIN IN ACCORDANCE WITH THE AISLE SPACING AND OTHER REQUIREMENTS NEEDED.

0 5 10 15 20 25

DF=E92503B2

EXHIBIT 11

NO.	DESCRIPTION	BY	CK	APPR	DATE
2	ISSUED FOR PERMIT RENEWAL PART "B" PERMIT 1998	RDK			01/26/98
1	ISSUED FOR PART "B" PERMIT NOD 1997	RDK	KJM		01/29/97
0	NEW RELEASE	M.O'C			1/29/92

REVISIONS

CONTAINER STORAGE AREA NO. 3 PLAN VIEW SECTIONS & DETAILS

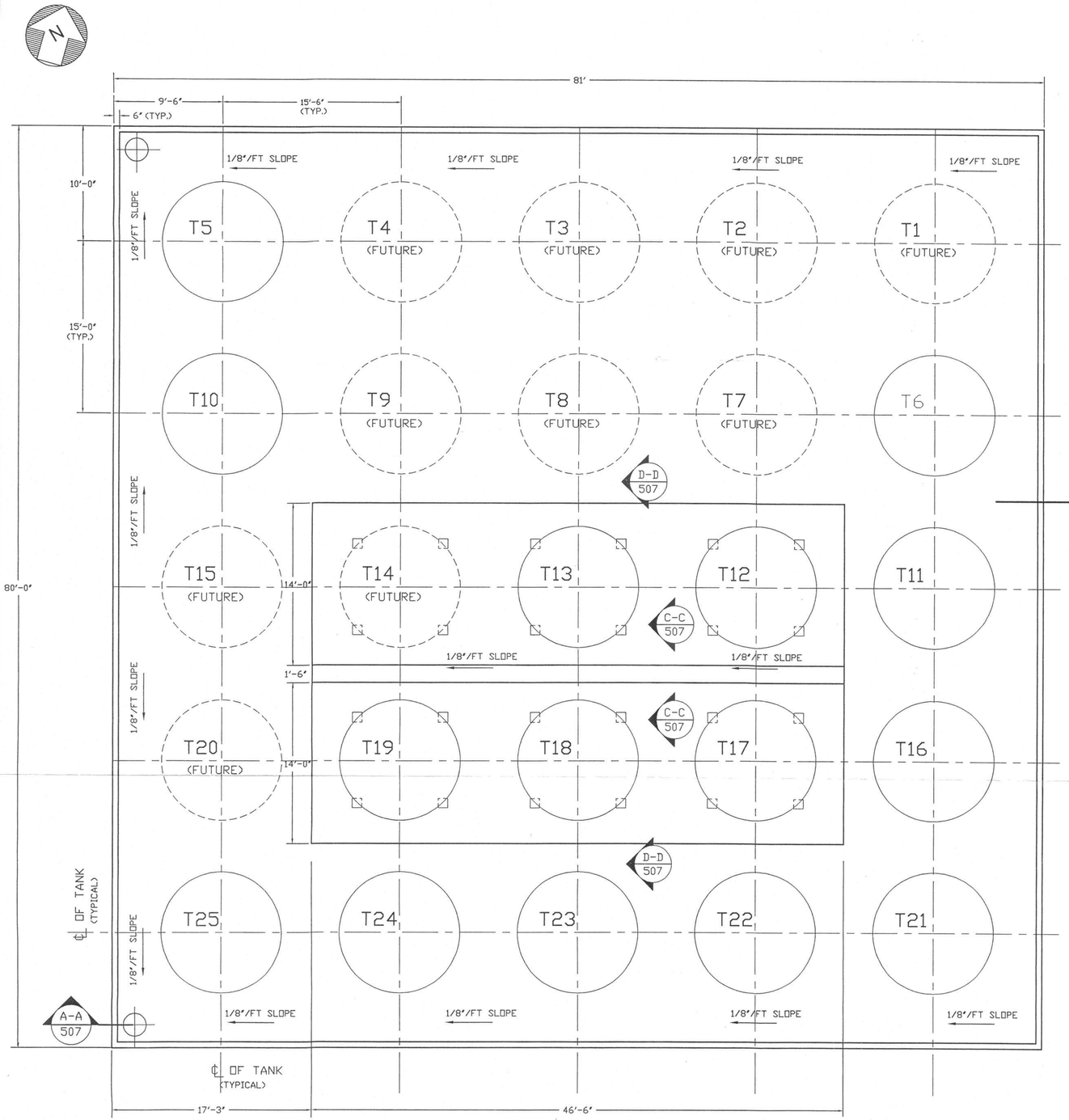
SAFETY-KLEEN CORP.

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 312/697-8460

SCALE	DRAWN	CHECKED	PROJ. ENG. APPR.	OPERATION APPR	DATE
NOTED	CEW				9/30/91

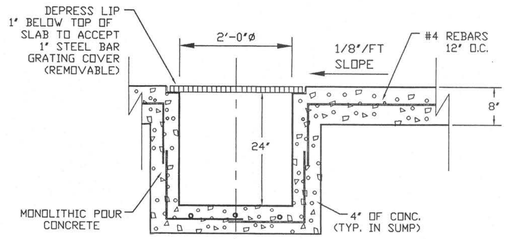
LEXINGTON, S.C. RECYCLE CENTER

DRAWING NO. 92-6300B-503 REV 2



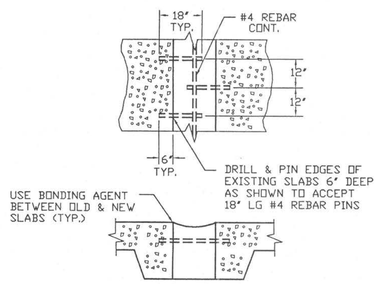
TANK FARM NO. 1

NOTE:
INTERNAL DIKE SURFACE IS TO BE COATED WITH SEMSTONE NO. 140 BY SENTURY POLYMERS (ALL INTERNAL SURFACES) OR SIMILAR TYPE OF COATING MATERIAL



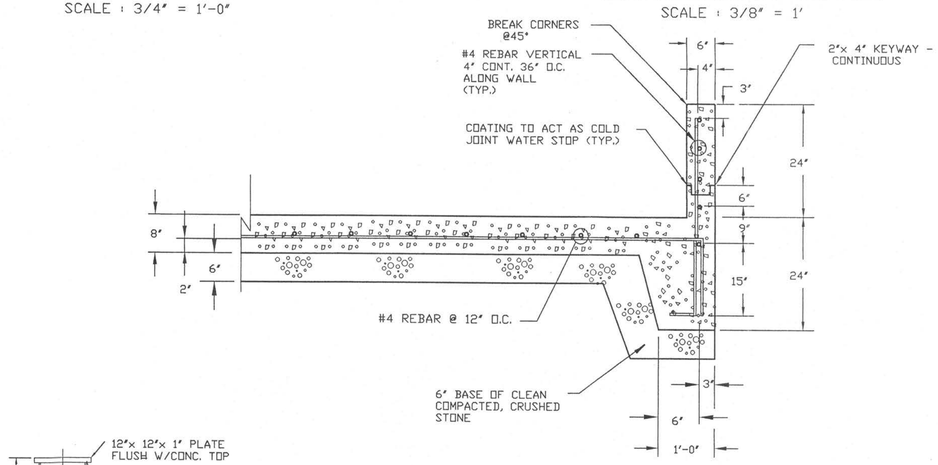
SECTION A - A

SCALE : 3/4" = 1'-0"



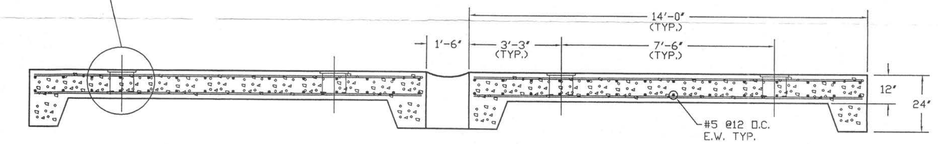
SECTION C - C

SCALE : 3/8" = 1'



SECTION B-B

SCALE : 3/4" = 1'-0"



SECTION D-D

SCALE : 3/8" = 1'

REFERENCE DWG. NO. 88-63000-501

DF=E92507B1

EXHIBIT 15

NO.	DESCRIPTION	BY	CK	APPR	DATE
	REVISIONS				
1	ISSUED FOR PART 'B' PERMIT NOD 1997	MCD	KJM		02/20/97
0	NEW RELEASE	M.D'C			1/29/92

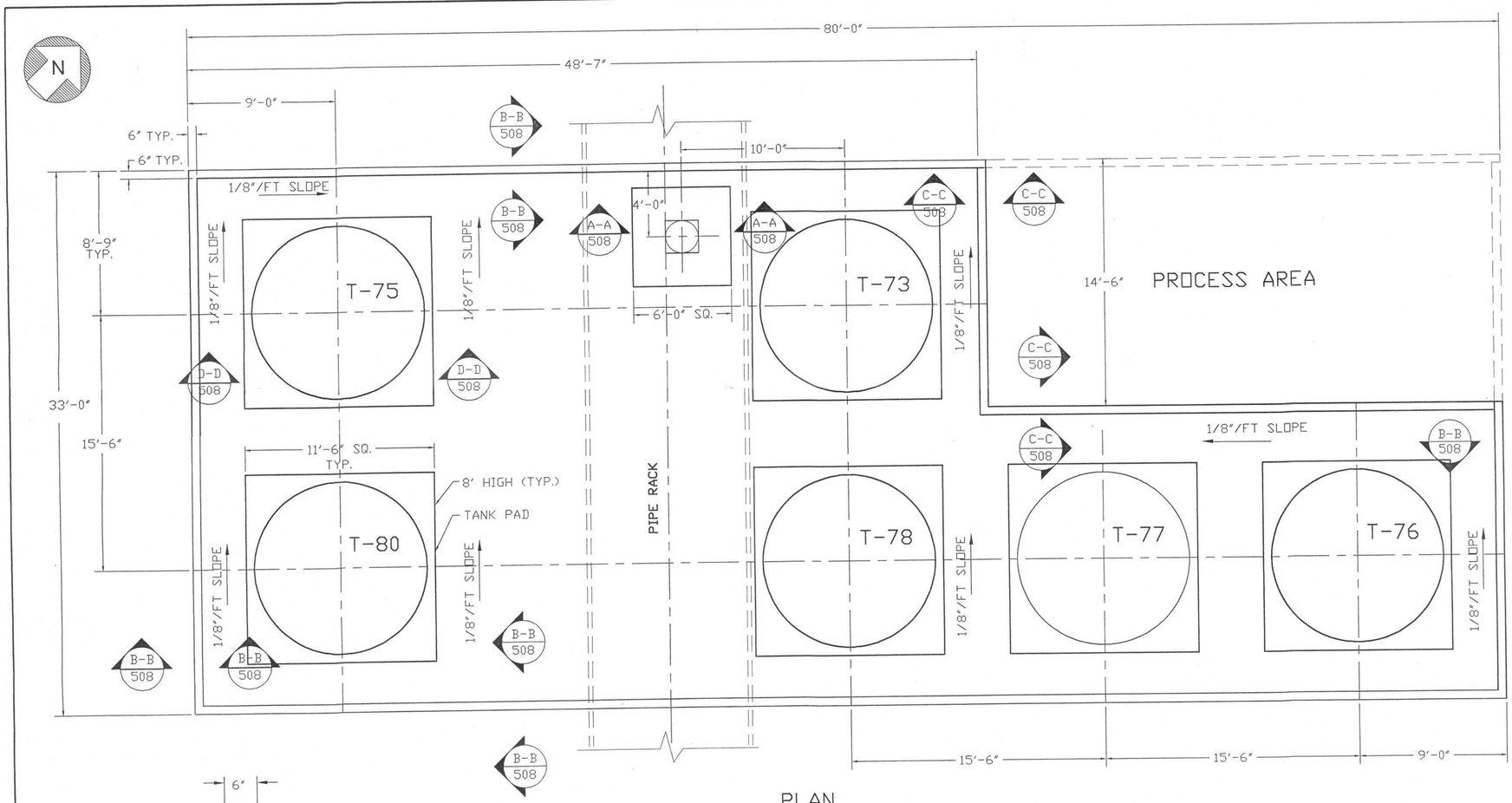
TANK FARM NO. 1

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 312/697-8460

SCALE	DRAWN	CHECKED	PROJ. ENG. APPR.	OPERATION APPR	DATE
3/16"=1'-0"	RDK				09-27-91

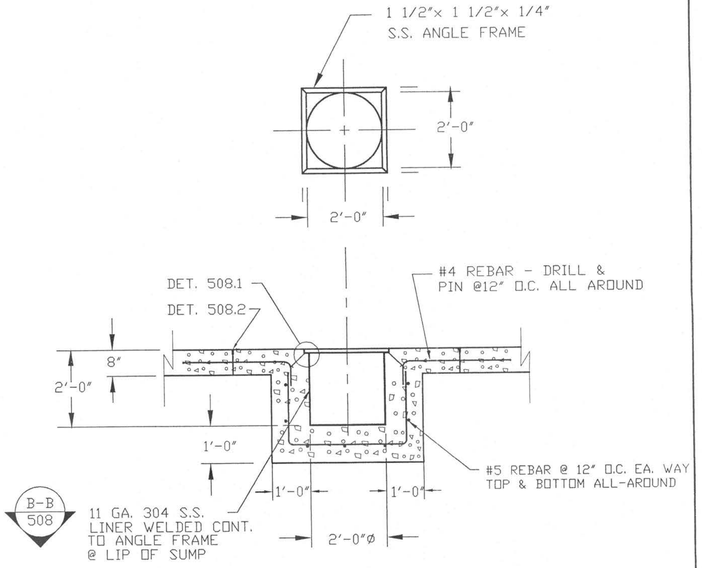
LEXINGTON, SC RECYCLE CENTER

DRAWING NO. 92-6300B-507 REV 1



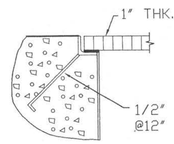
PLAN

TANK FARM NO. 3A



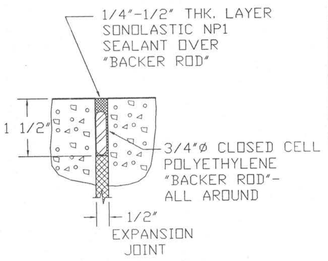
SECTION A-A

SCALE : 1/2" = 1'



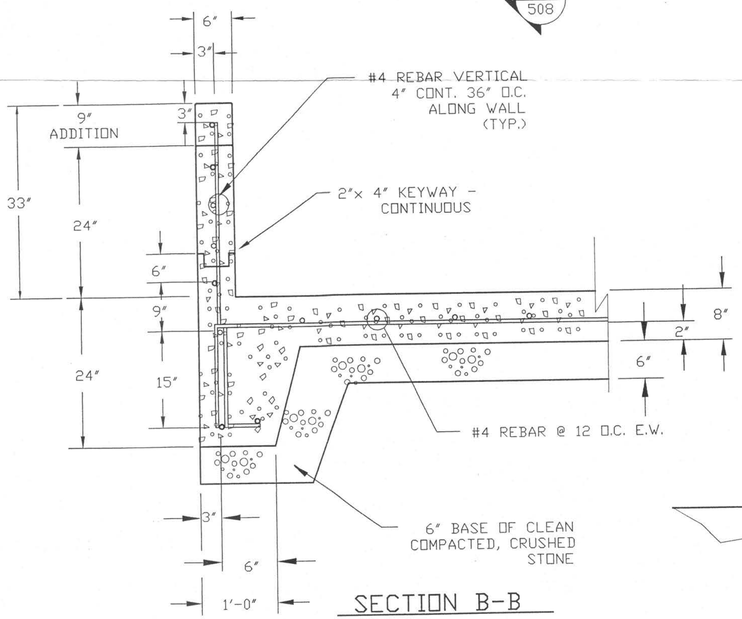
DETAIL 508.1

N.T.S.



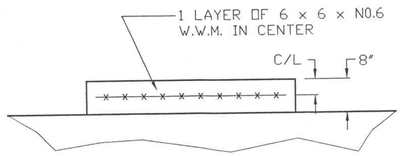
DETAIL 508.2

SCALE : 1/2" = 1'



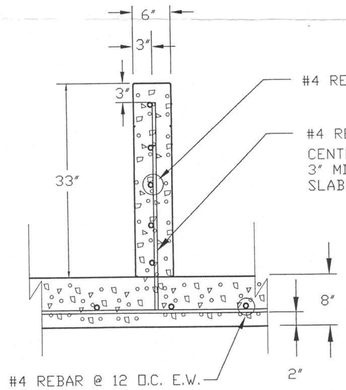
SECTION B-B

SCALE : 1" = 1'-0"



SECTION D-D

SCALE : 1/2" = 1'-0"



SECTION C-C

SCALE : 1" = 1'-0"

NOTE:

SURFACE OF TANK FARM TO BE COATED WITH SEMSTONE NO. 245 BY SENTURY POLYMERS (ALL INTERNAL SURFACES) OR SIMILAR TYPE OF COATING MATERIAL

REFERENCE DWG. NO. 88-63000-502

DF=E92508B1

EXHIBIT 16

NO.	DESCRIPTION	BY	CK	APPR	DATE
1	ISSUED FOR PART 'B' PERMIT NOD 1997	MCD	KJM		1/29/97
0	NEW RELEASE	M.O'C			1/29/92

REVISIONS

TANK FARM NO. 3A

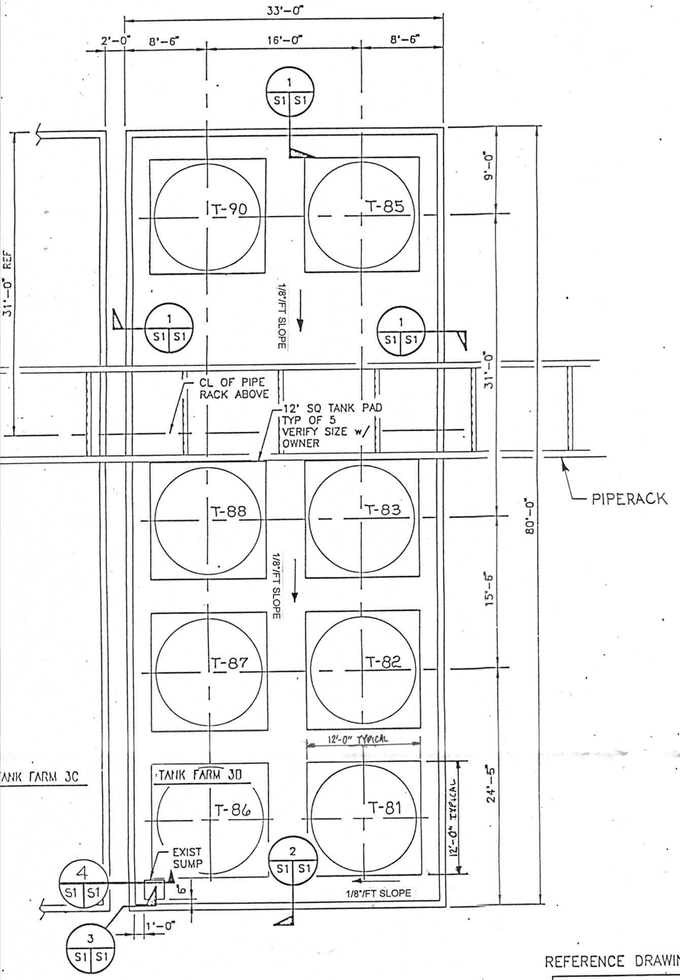
SAFETY-KLEEN CORP.

1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

SCALE	DRAWN	CHECKED	PROJ. ENG. APPR.	OPERATION APPR	DATE
1/4"=1'-0"	RDK				09-26-91

LEXINGTON, SC RECYCLE CENTER

DRAWING NO. 92-6300B-508 REV. 1



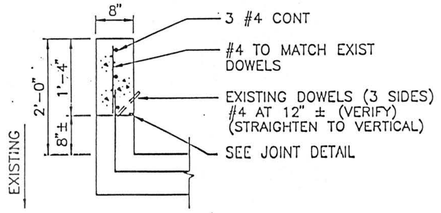
SLAB LAYOUT

SCALE: 1/8"=1'-0"

PLAN NORTH

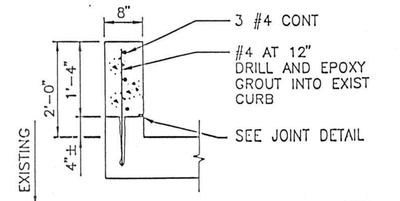
REFERENCE DRAWING MG-002

K & W DESIGN
TANK FARM 3B
GENERAL ARRANGEMENT
PLAN AND SECTIONS



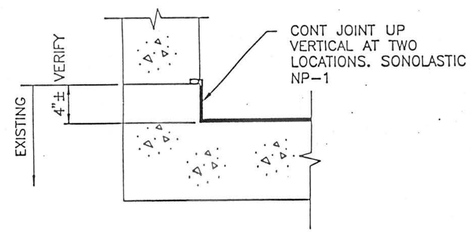
SECTION 1

SCALE: 3/4"=1'-0"



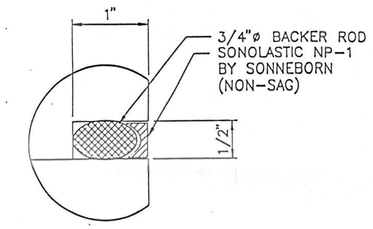
SECTION 2

SCALE: 3/4"=1'-0"



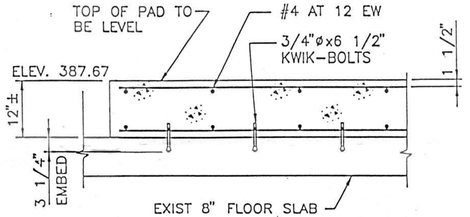
SECTION 3

SCALE: 1 1/2"=1'-0"



TYPICAL JOINT

SCALE: FULL

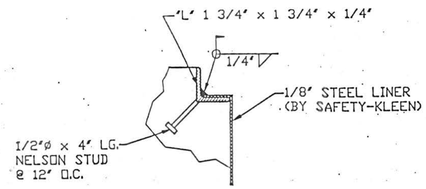


TYP TANK PAD

SCALE: 3/4"=1'-0"

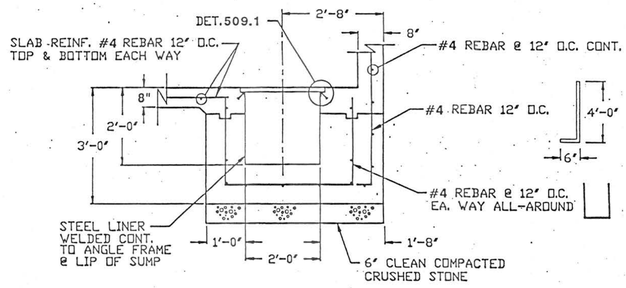
NOTE:

ALL INTERNAL SURFACES TO BE COATED WITH SEMSTONE 245 BY SENTURY POLYMERS OR SIMILAR TYPE OF COATING MATERIALS.



DETAIL NO. 509.1

SCALE : N.T.S.



SECTION 4

SCALE : 1/2" = 1'-0"

EXHIBIT 17

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 4681 J. C. CARSON JR.

STATE OF SOUTH CAROLINA CARLISLE ASSOCIATES INCORPORATED COLUMBIA B-77005 REGISTERED ARCHITECTS

CARLISLE ASSOCIATES ARCHITECTS ENGINEERS

SHEET TF1 OF 3 5900451
EDIT DATE: 04/05/89 10:24

NO.	DESCRIPTION	BY	CHKD	APPR	DATE
1	ISSUED FOR PART "B" PERMIT NOD 1997	MCO	KJM		2/4/97
0	NEW RELEASE	M.O'C	KJM		1/29/92

REVISIONS

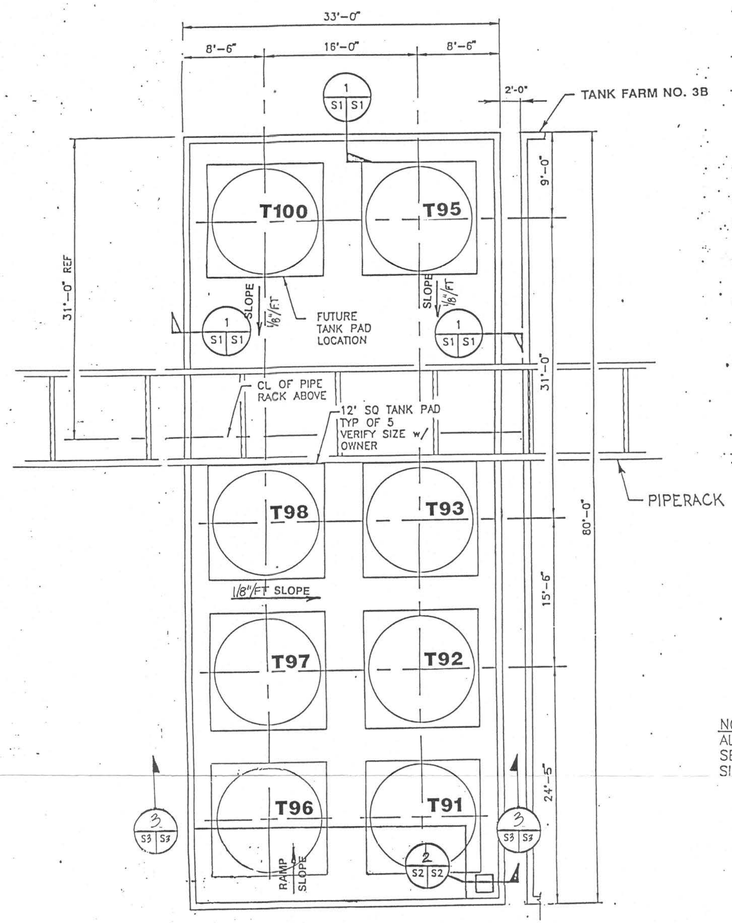
TITLE: **TANK FARM NO. 3B CONCRETE PLAN VIEW SECTIONS & DETAILS**

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

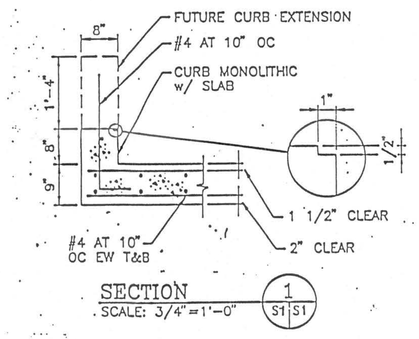
PROCESS APPR.	OPERATIONS APPR.	SCALE	DRAWN	DATE
		AS NOTED	PM	4/6/89

RECYCLE CENTER
LEXINGTON, SC

DRAWING NO. **92-6300B-509** REV. 1

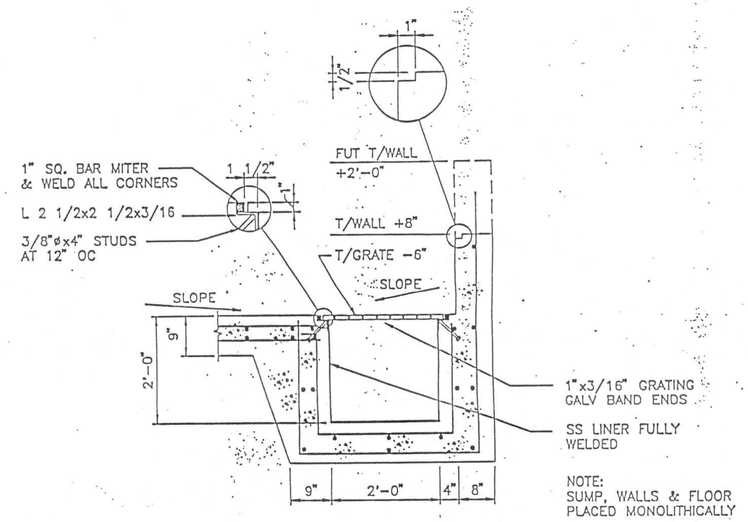


PLAN
TANK FARM NO. 3C
(FUTURE)

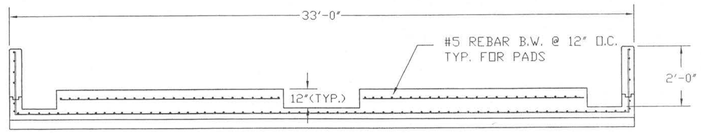


SECTION 1 (S1|S1)
SCALE: 3/4"=1'-0"

NOTE:
ALL INTERNAL SURFACES TO BE COATED WITH SEMSTONE 245 BY SENTURY POLYMERS OR SIMILAR TYPE OF COATING MATERIALS.



SECTION 2 (S2|S2)
SCALE: 3/4"=1'-0"



SECTION 3 (S3|S3)
N.T.S.

REFERENCE DWG. NO. 89-63000-508

EXHIBIT 18

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 4681 J.C. CARSON, JR.

STATE OF SOUTH CAROLINA CARLISLE ASSOCIATES INCORPORATED COLUMBIA C-77005 REGISTERED ARCHITECTS

CARLISLE ASSOCIATES ARCHITECTS ENGINEERS

SHEET TF1
OF 2 53A0451
EDIT DATE: 01/05/89 10:24

NO.	DESCRIPTION	BY	CK	APPR	DATE
1	ISSUED FOR PART "B" PERMIT 1997 NOD	MCO	KJM		2/4/97
0	NEW RELEASE	M.O'C	KJM		1/29/92

REVISIONS

TANK FARM NO. 3C
(FUTURE)

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

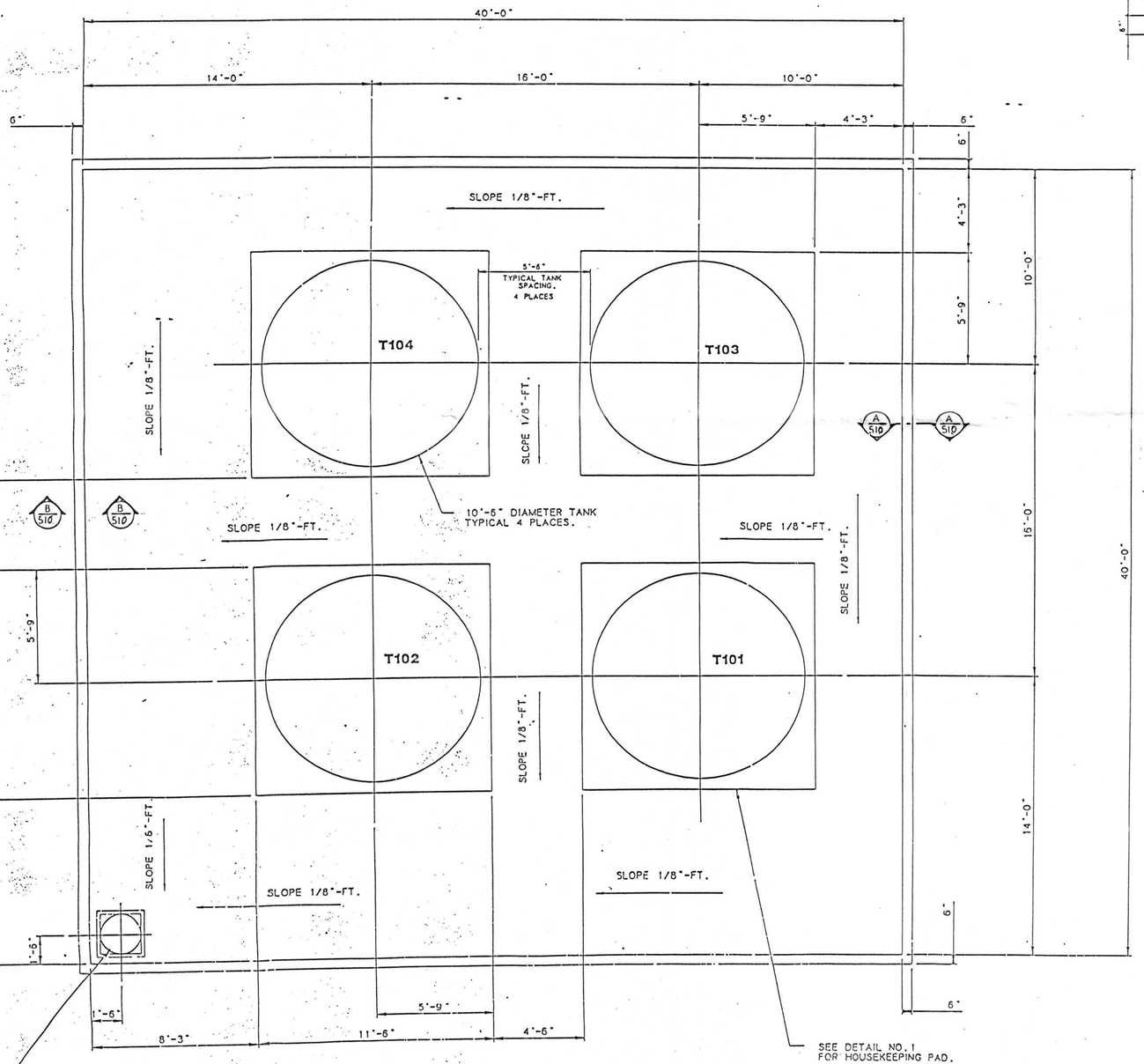
SCALE	DRAWN	CHECKED	PROJ. ENG. APPR.	OPERATION APPR	DATE
3/16"=1'-0"	RDK	KJM			09-27-91

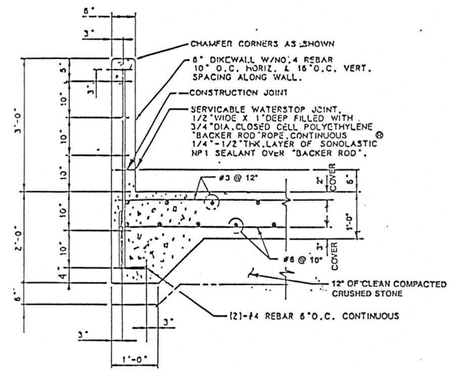
LEXINGTON, SC RECYCLE CENTER

DRAWING NO. 92-6300B-520 REV 1

TANK FARM NO. 4A

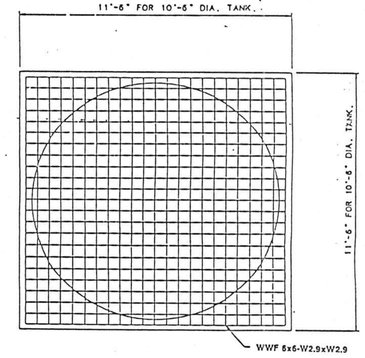
CONCRETE CONSTRUCTION PLAN

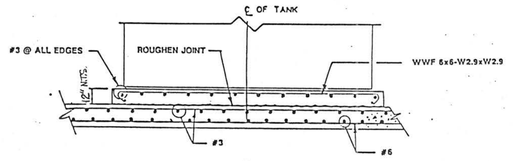




SECTION A-A

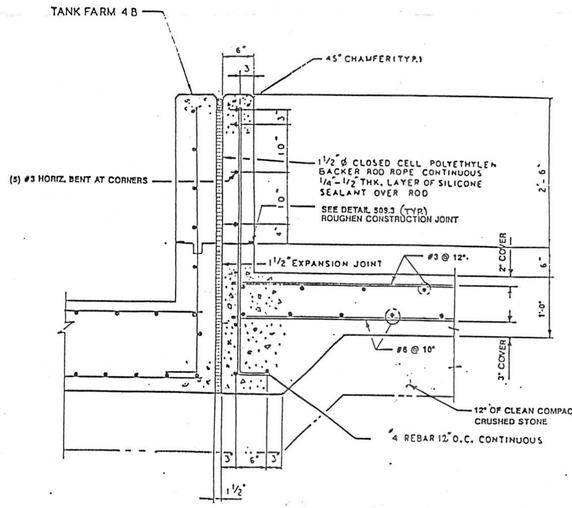
DIKE WALL CONSTRUCTION DETAIL



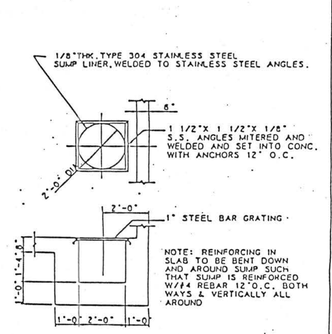


DETAIL NO. 1

STANDARD HOUSEKEEPING PAD FOR 10'-6" DIA. TANK



SECTION B-B



DETAIL NO. 2

TANK FARM SUMP CONSTRUCTION DETAIL

1. 12" THK. CONCRETE SLAB POURED MONOLITHICALLY WITH CURB AND FOOTING PORTION.
2. INTERNAL DIKE CONTAINMENT SURFACES TO BE COATED WITH A CHEMICALLY RESISTANT COMPOUND.
3. ALL INTERNAL SURFACES TO BE COATED WITH SEMSTONE 246 BY SENTURY POLYMERS OR SIMILAR TYPE OF COATING MATERIAL.
4. CONCRETE WILL BE 6.5 SACK MIXTURE AND WILL DEVELOPE 4000 psi MIN. COMPRESSIVE STRENGTH @ 28 DAYS.

EXHIBIT 19 RCRA PART B PERMIT DRAWING

DF=3OP88512

NO.	DESCRIPTION	BY	CHK	APPD	DATE
1	ISSUED FOR PART "B" PERMIT 1997 NOD	MCO	KJM		2/4/97
0	NEW RELEASE	M.O'C	KJM		1/29/92

REVISIONS

TITLE: TANK FARM NO. 4A (Proposed)

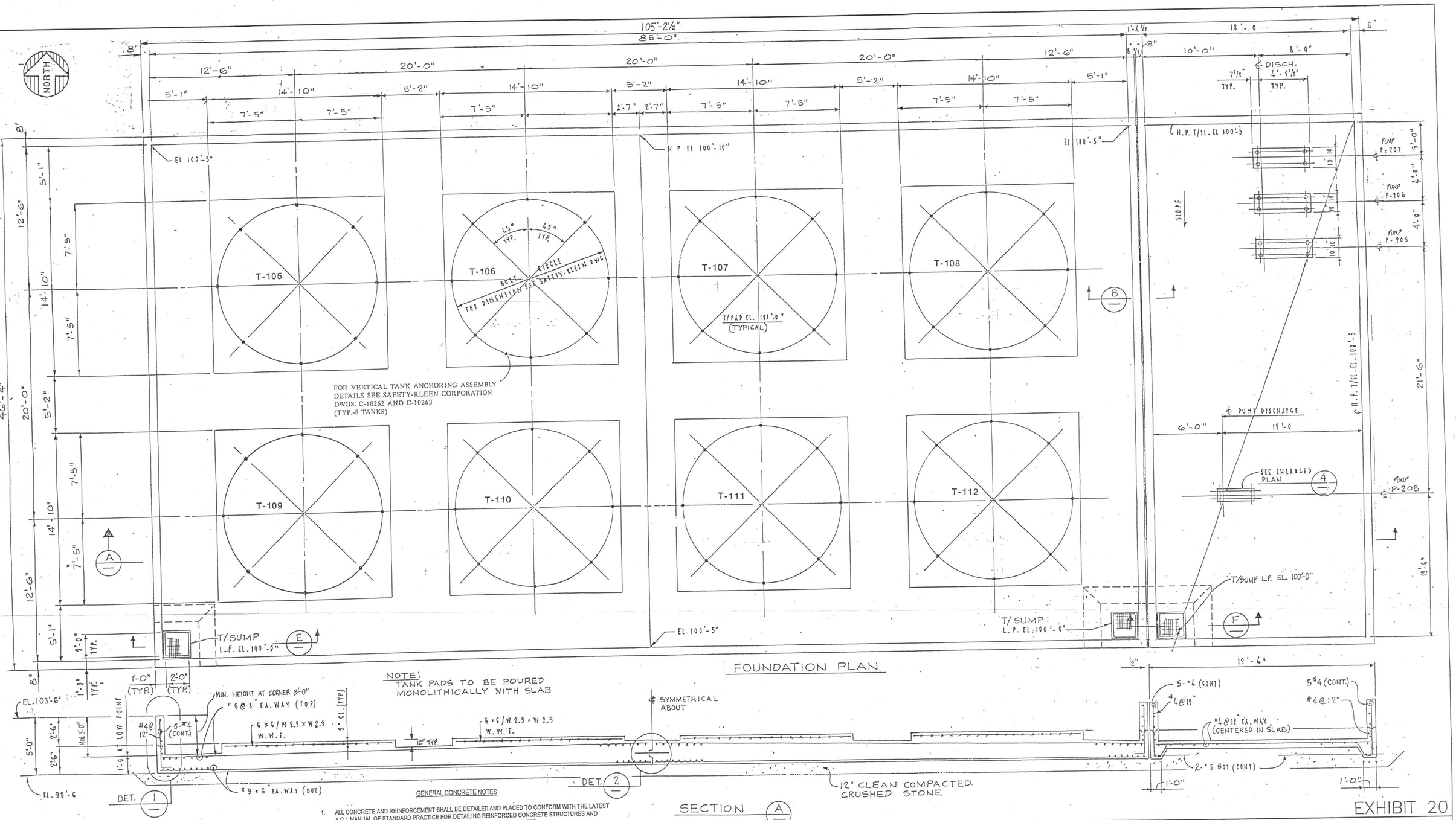
SAFETY-KLEEN CORP.

1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

SCALE	DRAWN	CHECKED	PROCESS APPR.	OPERATION APPR.	DATE
N.T.S.	KJM	KJM			10-12-88

LEXINGTON, S.C. RECYCLE CENTER

DRAWING NO.: 92-6300B-510 REV. 1



NOTE:
ALL INTERNAL SURFACES TO BE COATED WITH SEMSTONE 245 BY SENTURY POLYMERS OR SIMILAR TYPE OF COATING MATERIALS.

GENERAL CONCRETE NOTES

1. ALL CONCRETE AND REINFORCEMENT SHALL BE DETAILED AND PLACED TO CONFORM WITH THE LATEST A.C.I. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES AND LATEST A.C.I. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
2. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, UNLESS NOTED.
3. REINFORCEMENT STEEL SHALL CONFORM WITH THE FOLLOWING ASTM DESIGNATIONS:
   A-615 GRADE 60
   A-185 (FS=30,000 PSI) FOR WELDED WIRE FABRIC.
4. ALL ANCHOR BOLTS SHALL CONFORM TO ASTM A-36 STEEL.
5. ALL EXPOSED CONCRETE CORNERS SHALL HAVE 3/4 CHAMFER.
6. BEFORE POURING CONCRETE FOR FOUNDATION AND SLAB, CONTRACTOR TO VERIFY LOCATION OF ANY UNDERGROUND UTILITY LINES OR BURIED CONDUIT.
7. EXCAVATION, FILL AND BACKFILL AT CONCRETE STRUCTURES SHALL BE DONE IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES.

NO.	DESCRIPTION	BY	CK	APPR	DATE
1	REDRAWN PER PART "B" NOD 1997	RDK	KJM		01/27/97
0	NEW RELEASE	M.O'C	KJM		1/29/92

REVISIONS

EXHIBIT 20

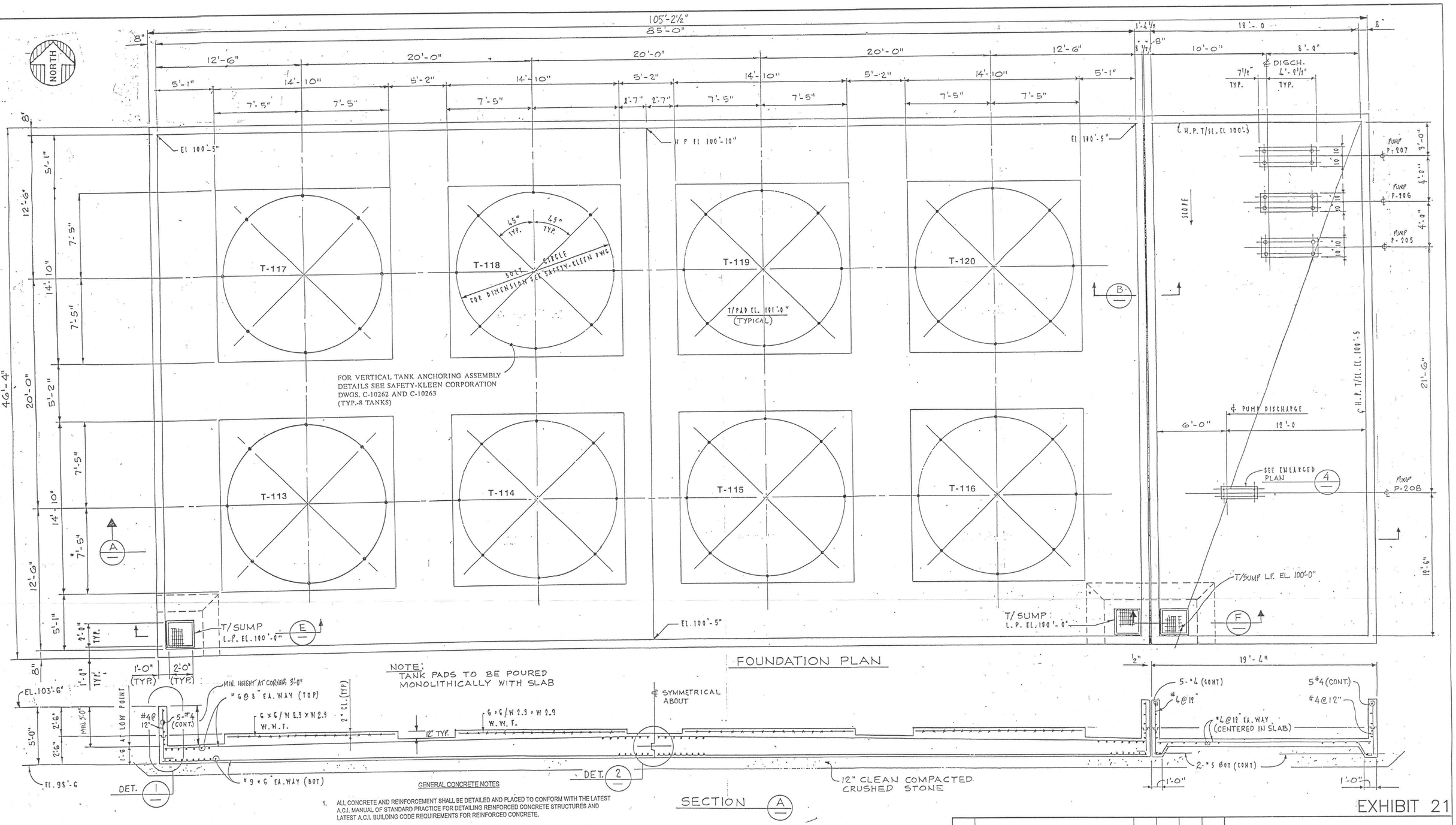
TANK FARM NO. 4B
(FUTURE)

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
1/4"=1'-0"	RDK				10-11-88

LEXINGTON, S.C.
RECYCLE CENTER

DRAWING NO. 92-6300B-511 REV 1



NOTE:
TANK PADS TO BE POURED MONOLITHICALLY WITH SLAB

FOUNDATION PLAN

SECTION A

NOTE:
ALL INTERNAL SURFACES TO BE COATED WITH SEMSTONE 245 BY SENTURY POLYMERS OR SIMILAR TYPE OF COATING MATERIALS.

GENERAL CONCRETE NOTES

1. ALL CONCRETE AND REINFORCEMENT SHALL BE DETAILED AND PLACED TO CONFORM WITH THE LATEST A.C.I. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES AND LATEST A.C.I. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
2. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, UNLESS NOTED.
3. REINFORCEMENT STEEL SHALL CONFORM WITH THE FOLLOWING ASTM DESIGNATIONS:
   A-615 GRADE 60
   A-185 (FS=30,000 PSI) FOR WELDED WIRE FABRIC.
4. ALL ANCHOR BOLTS SHALL CONFORM TO ASTM A-36 STEEL.
5. ALL EXPOSED CONCRETE CORNERS SHALL HAVE 3/4 CHAMFER.
6. BEFORE POURING CONCRETE FOR FOUNDATION AND SLAB, CONTRACTOR TO VERIFY LOCATION OF ANY UNDERGROUND UTILITY LINES OR BURIED CONDUIT.
7. EXCAVATION, FILL AND BACKFILL AT CONCRETE STRUCTURES SHALL BE DONE IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES.

EXHIBIT 21

NO.	DESCRIPTION	BY	CK	APPR	DATE
1	REDRAWN PER PART "B" NOD 1997	RDK	KJM		01/27/97
0	NEW RELEASE	M.O'C	KJM		1/29/92

REVISIONS

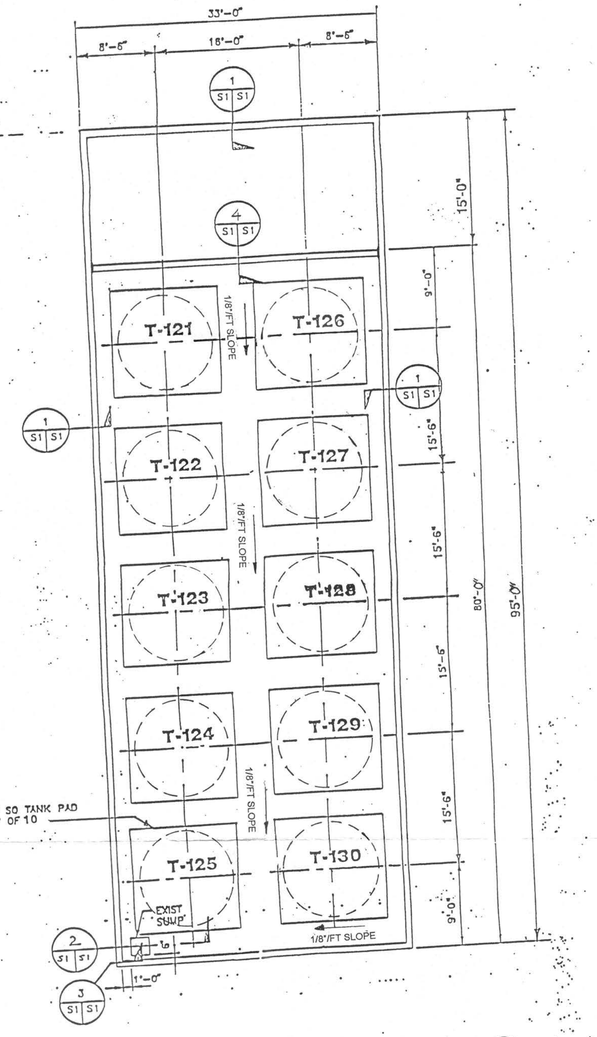
TANK FARM NO. 4C
(FUTURE)

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
1/4"=1'-0"	RDK				10-11-89

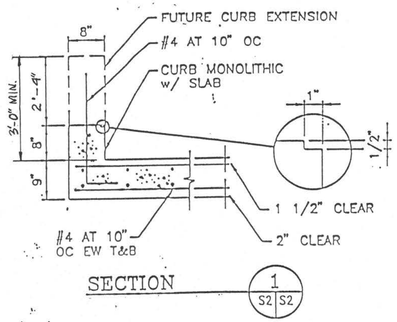
LEXINGTON, S.C.
RECYCLE CENTER

DRAWING NO. 92-6300B-512 REV 1

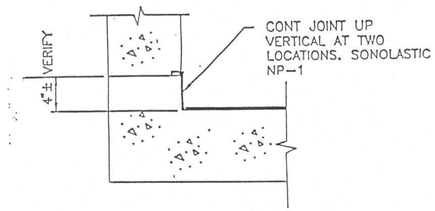


SLAB LAYOUT

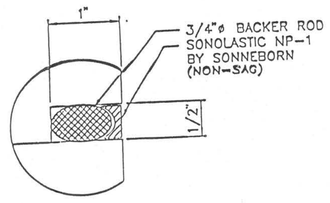
SCALE: 1/8"=1'-0"



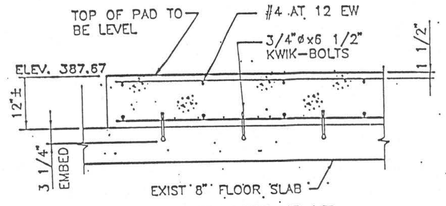
SECTION 1 S2 S2



SECTION 3 S1 S1

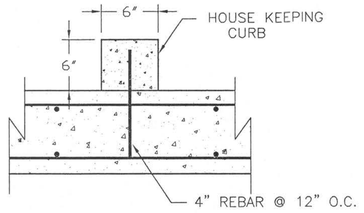


TYPICAL JOINT

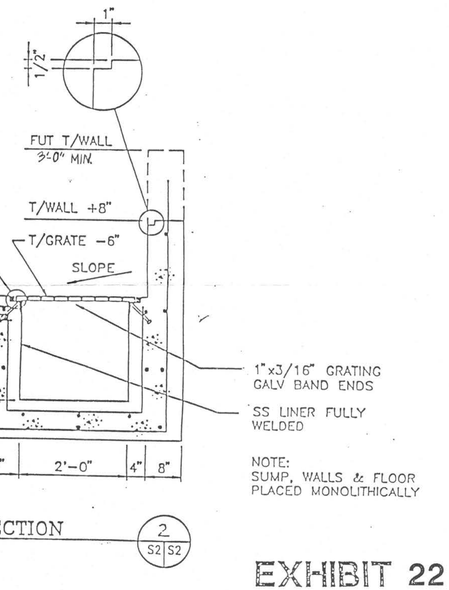


TYP TANK PAD

NOTE:
ALL INTERNAL CONCRETE SURFACES TO RECEIVE CHEMICALLY RESISTIVE COATING-SEMSTONE 245 BY SENTURY POLYMERS CO. OR SIMILAR TYPE OF COATING MATERIAL.



SECTION 4



SECTION 2 S2 S2

EXHIBIT 22

RCRA PART B PERMIT DRAWING

NO.	DESCRIPTION	BY	CHKD	APPR	DATE
1	ISSUED FOR PART "B" PERMIT 1997 NOD	MCO	KJM		2/5/97
0	NEW RELEASE	M.O'C	KJM		1/29/92

REVISIONS

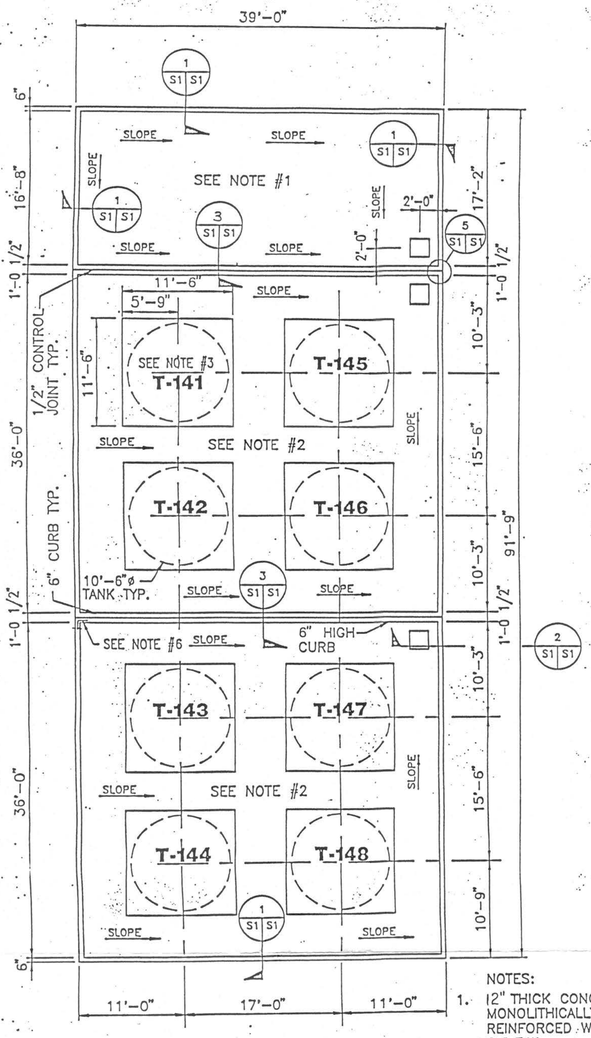
TITLE: TANK FARM NO. 4D (FUTURE)

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

PROCESS APPR.	OPERATIONS APPR.	SCALE	DRAWN	DATE
		N.T.S	S.P.	5/1/00

RECYCLE CENTER LEXINGTON, SC

DRAWING NO. 92-6300B-513 REV. 1

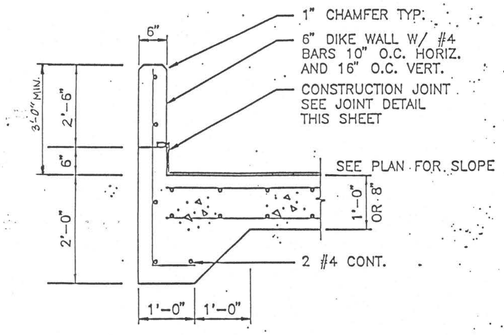


TANK FARM LAYOUT

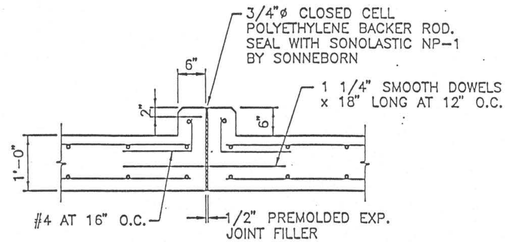
SCALE: 1/8"=1'-0"

NOTES:

1. 12" THICK CONCRETE SLAB POURED MONOLITHICALLY WITH CURB AND REINFORCED WITH #4 BARS AT 6" O.C.E.W.
2. 12" THICK CONCRETE SLAB POURED MONOLITHICALLY WITH CURB AND REINFORCED WITH #6 BARS AT 8" O.C.E.W. TOP AND BOTTOM.
3. 4" MIN. THICK CONCRETE HOUSEKEEPING PAD REINFORCED WITH #4 BARS AT 12" O.C.E.W. TOP.
4. CONCRETE WILL DEVELOP 4000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS.
5. PROVIDE #4 HORIZONTAL CORNER BARS TO MATCH WALL HORIZONTAL REIN. TYPICAL AT ALL CORNERS.
6. SLAB SHALL BE PLACED ON 3' OF SELECT FILL PLACED IN LOOSE LIFTS OF 9" MAX. AND COMPACTED TO A MIN. OF 95 PERCENT MAX. DRY DENSITY (ASTM D-698) ABOVE (+1 TO +5 PERCENT) OPTIMUM MOISTURE CONTENT.
7. ALL SLOPES TO BE 1/8" PER FOOT.

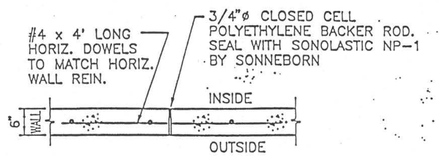


SECTION 1 S1|S1
SCALE: 3/4"=1'-0"



SECTION 3 S1|S1
SCALE: 3/4"=1'-0"

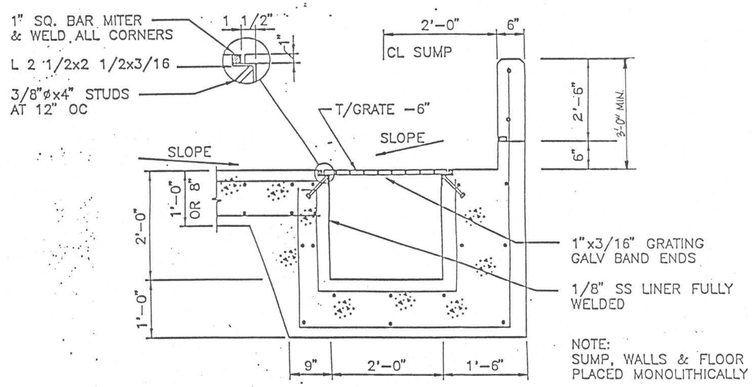
NOTE:
ALL INTERNAL CONCRETE SURFACES TO RECEIVE CHEMICALLY RESISTIVE COATING



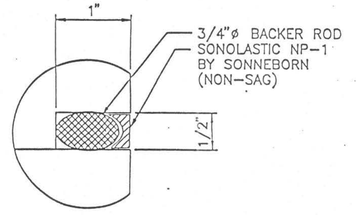
NOTE: HORIZONTAL WALL REIN. AS SHOWN IN SECTION 1/S1 OMITTED FOR CLARITY.

DETAIL 5 S1|S1
SCALE: 3/4"=1'-0"

NOTE:
ALL INTERNAL SURFACES TO BE COATED WITH SEMSTONE 245 BY SENTURY POLYMERS OR SIMILAR TYPE OF COATING MATERIALS.

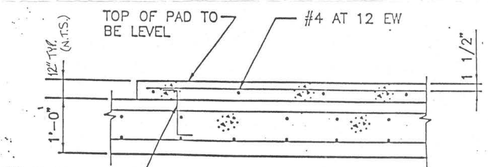


SECTION 2 S1|S1
SCALE: 3/4"=1'-0"



TYPICAL JOINT

SCALE: FULL



NOTE: SEE PLAN FOR SLAB SLOPE.

TYP TANK PAD

SCALE: 3/4"=1'-0"

RCRA PART B
PERMIT DRAWING

EXHIBIT 23

NO.	DESCRIPTION	BY	CHKD	APPR	DATE
	REVISIONS				
1	ISSUED FOR PART "B" PERMIT 1997 NOD	MCO	KJM		2/5/97
0	NEW RELEASE	M.O'C	KJM		1/29/92

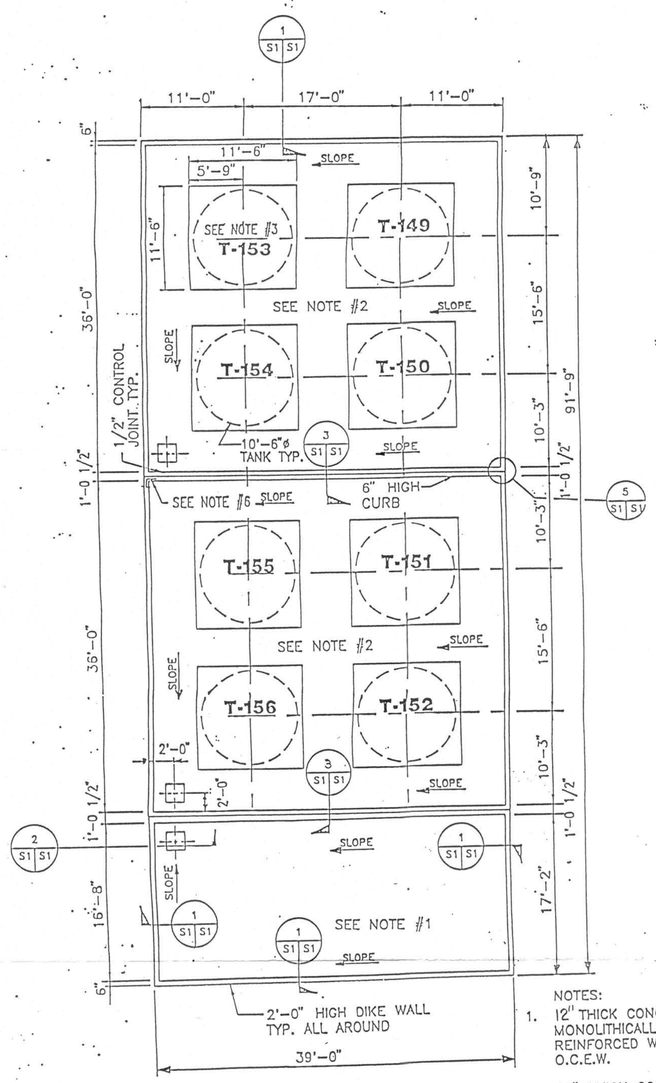
TITLE: TANK FARM NO. 5A (FUTURE)

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

PROCESS APPR.	OPERATIONS APPR.	SCALE	DRAWN	DATE
		AS NOTED	S.P.	5/2/90

LEXINGTON, S.C. RECYCLE CENTER

DRAWING NO. 92-6300B-514 REV. 1

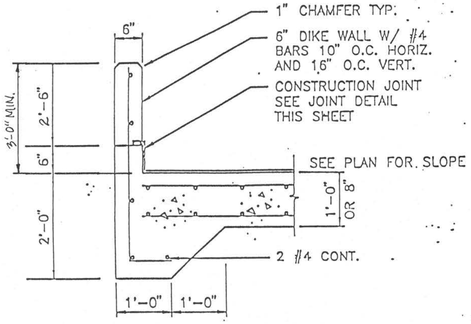


TANK FARM LAYOUT

SCALE: 1/8"=1'-0"

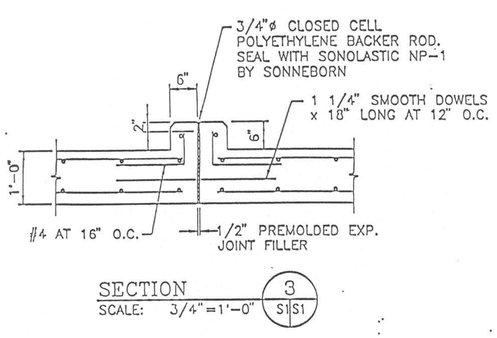
NOTES:

1. 12" THICK CONCRETE SLAB POURED MONOLITHICALLY WITH CURB AND REINFORCED WITH #4 BARS AT 6" O.C.E.W.
2. 12" THICK CONCRETE SLAB POURED MONOLITHICALLY WITH CURB AND REINFORCED WITH #6 BARS AT 8" O.C.E.W. TOP AND BOTTOM.
3. 4" MIN. THICK CONCRETE HOUSEKEEPING PAD REINFORCED WITH #4 BARS AT 12" O.C.E.W. TOP.
4. CONCRETE WILL DEVELOP 4000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS.
5. PROVIDE #4 HORIZONTAL CORNER BARS TO MATCH WALL HORIZONTAL REIN. TYPICAL AT ALL CORNERS.
6. SLAB SHALL BE PLACED ON 3' OF SELECT FILL PLACED IN LOOSE LIFTS OF 9" MAX. AND COMPACTED TO A MIN. OF 95 PERCENT MAX. DRY DENSITY (ASTM D-698) ABOVE (+1 TO +5 PERCENT) OPTIMUM MOISTURE CONTENT.
7. ALL SLOPES TO BE 1/8" PER FOOT.



SECTION 1

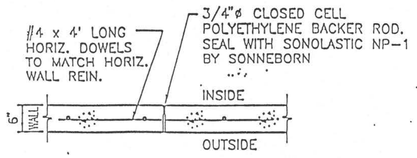
SCALE: 3/4"=1'-0"



SECTION 3

SCALE: 3/4"=1'-0"

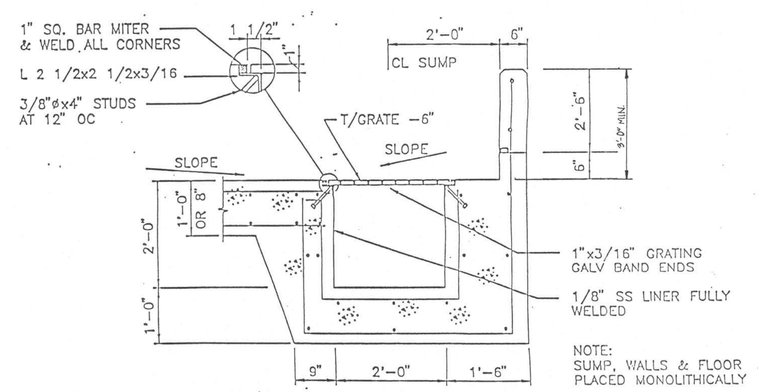
NOTE:
ALL INTERNAL CONCRETE SURFACES TO RECEIVE CHEMICALLY RESISTIVE COATING!



NOTE: HORIZONTAL WALL REIN. AS SHOWN IN SECTION 1/S1 OMITTED FOR CLARITY.

DETAIL .5

SCALE: 3/4"=1'-0"

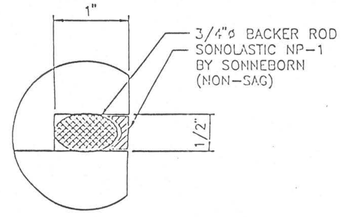


NOTE:
SUMP, WALLS & FLOOR PLACED MONOLITHICALLY

SECTION 2

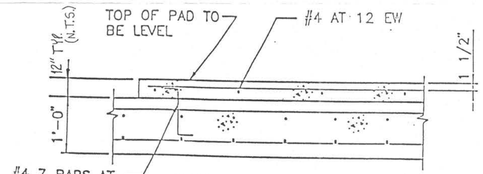
SCALE: 3/4"=1'-0"

NOTE:
ALL INTERNAL SURFACES TO BE COATED WITH SEMSTONE 245 BY SENTURY POLYMERS OR SIMILAR TYPE OF COATING MATERIALS.



TYPICAL JOINT

SCALE: FULL



NOTE: SEE PLAN FOR SLAB SLOPE.

TYP TANK PAD

SCALE: 3/4"=1'-0"

RCRA PART B
PERMIT DRAWING

EXHIBIT 24

NO.	DESCRIPTION	BY	CHKD	APPR	DATE
1	ISSUED FOR PART "B" PERMIT 1997 NOD	MCO	KJM		2/5/97
0	NEW RELEASE	M.O'C	KJM		1/29/92

REVISIONS

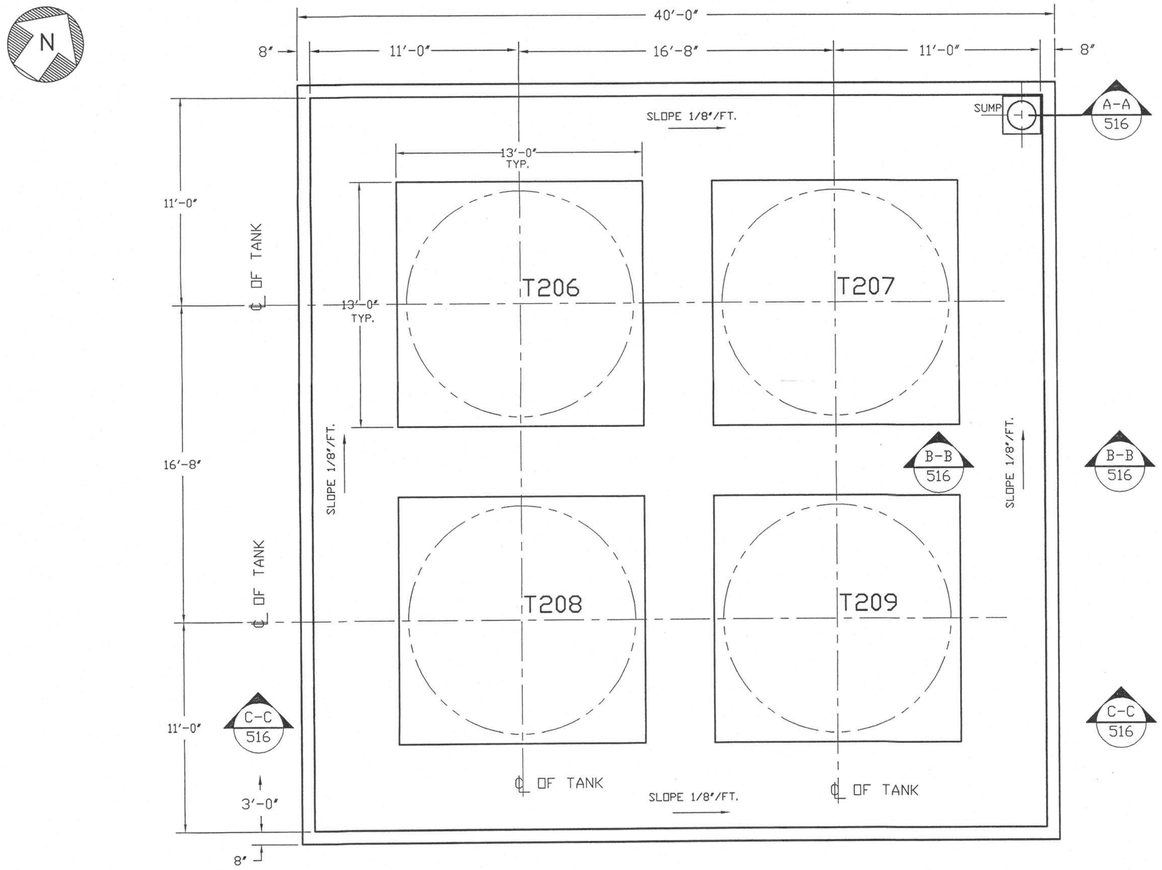
TITLE: TANK FARM NO. 5B (FUTURE)

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

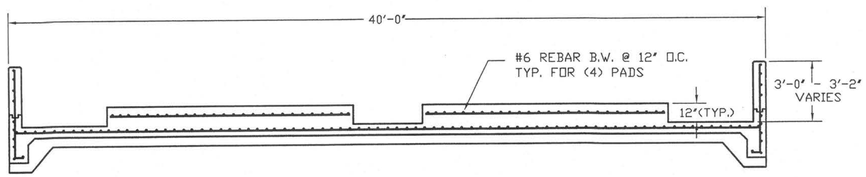
PROCESS APPR.	OPERATIONS APPR.	SCALE	DRAWN
	-	AS NOTED	S.P. 5/2/00

LEXINGTON, S.C. RECYCLE CENTER

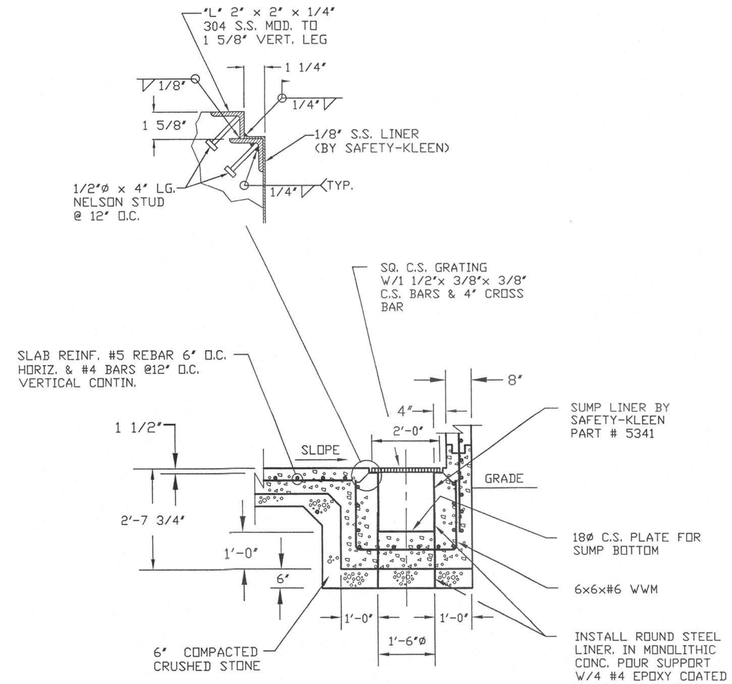
DRAWING NO. 92-6300B-515 REV 1



TANK FARM NO. 6A

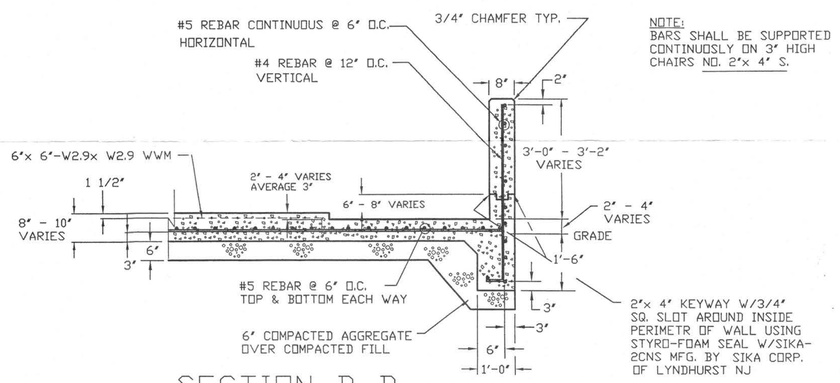


SECTION C - C



SECTION A - A

SCALE : 1/2" = 1'



SECTION B-B

SCALE : 1/2" = 1'

NOTE:
BARS SHALL BE SUPPORTED CONTINUOSLY ON 3" HIGH CHAIRS NO. 2"x 4" S.

NOTES:

1. ALL CONCRETE WORK SHL ALL CONFORM TO THE REQUIREMENTS OF ACI-301-84 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS". ALL CONCRETE SHALL HAVE FC=3000 PSI. ALL CONCRETE EXPOSED TO WEATHER SHALL HAVE 5% TO 7% AIR ENTRAINMENT COARSE AGGREGATE SHELL CONFORM TO NO. 57 IN ACCORDANCE WITH ASTM C-33.
2. ALL FLOORS & SUMPS SHALL BE COATED W/TWO COATS OF SIKAGARD 62 MANUFACT. BY SIKA CORP. LYNDHURST NJ OR CONCRESIVE 1305 MANUFACTURED BY ADHESIVE ENG. COMPANY, SAN CARLOS, CA.
3. SURFACE OF TANK FARM TO BE COATED WITH SEMSTONE NO. 245 BY SENTURY POLYMERS (ALL INTERNAL SURFACES) OR SIMILAR TYPE OF COATING MATERIAL.

REFERENCE DWG. NO. 90-63000-543

DF=E92516B1

EXHIBIT 25

NO.	DESCRIPTION	BY	CK	APPR	DATE
1	ISSUED FOR PART "B" PERMIT NOD 1997	RDK	KJM		01/29/97
0	NEW RELEASE	M.D'C			1/29/92

REVISIONS

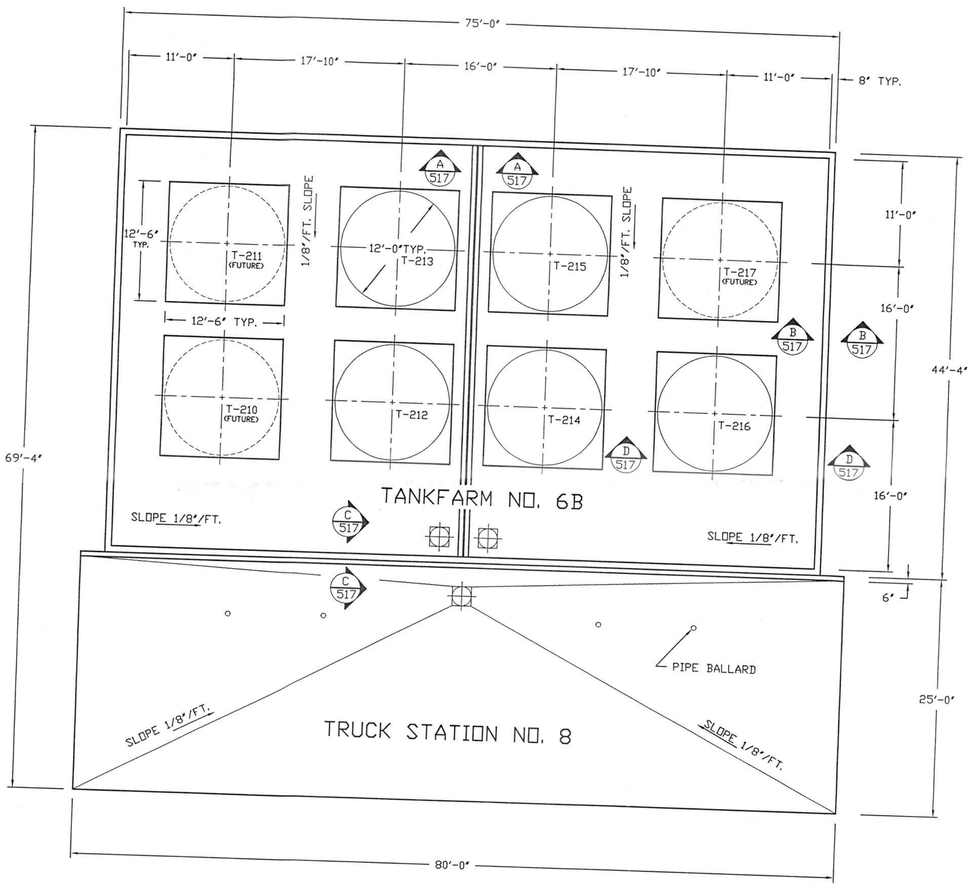
TANKFARM NO.6A (FUTURE)
CONCRETE PLAN
SECTIONS AND DETAILS

SAFETY-KLEEN CORP.
1000 RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE 847/697-8460

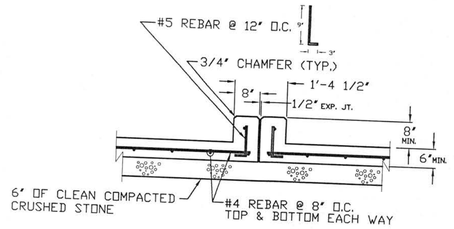
SCALE	DRAWN	CHECKED	PROJ. ENG. APPR.	OPERATION APPR	DATE
1/4"=1'-0"	RDK				09-26-91

LEXINGTON, SC
SERVICE CENTER

DRAWING NO. 92-6300B-516 REV 1

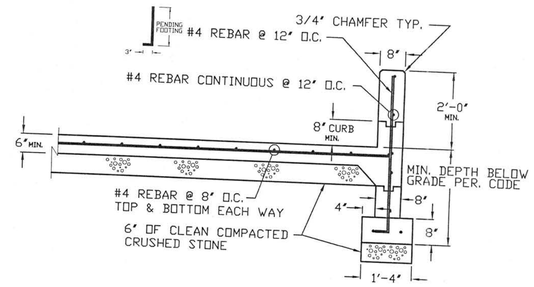


PLAN



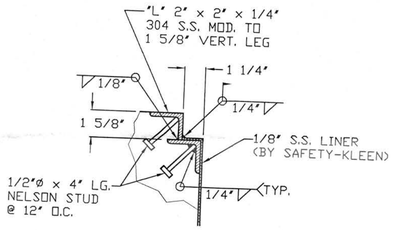
SECTION A-A 517

SCALE : 1/2" = 1'



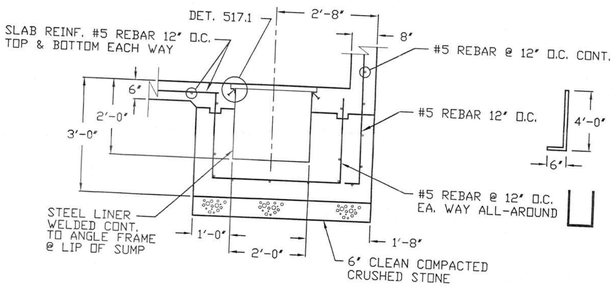
SECTION B-B 517

SCALE : 1/2" = 1'



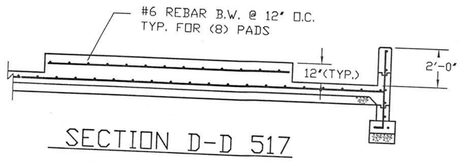
DETAIL 517.1

SCALE: N.T.S.



SECTION C-C 517

SCALE : 1/2" = 1'



SECTION D-D 517

SCALE: 1/4"=1'-0"

NOTE:

SURFACE OF TANK FARM TO BE COATED WITH SEMSTONE NO. 245 BY SENTURY POLYMERS (ALL INTERNAL SURFACES) OR SIMILAR TYPE OF COATING MATERIAL

EXHIBIT 26

DF=E92517B1

NO.	DESCRIPTION	BY	CK	APPR	DATE
1	ISSUED FOR PART 'B' PERMIT NOD 1997	RDK	KJM		02/06/97
0	NEW RELEASE	M.D'C			1/29/92

REVISIONS

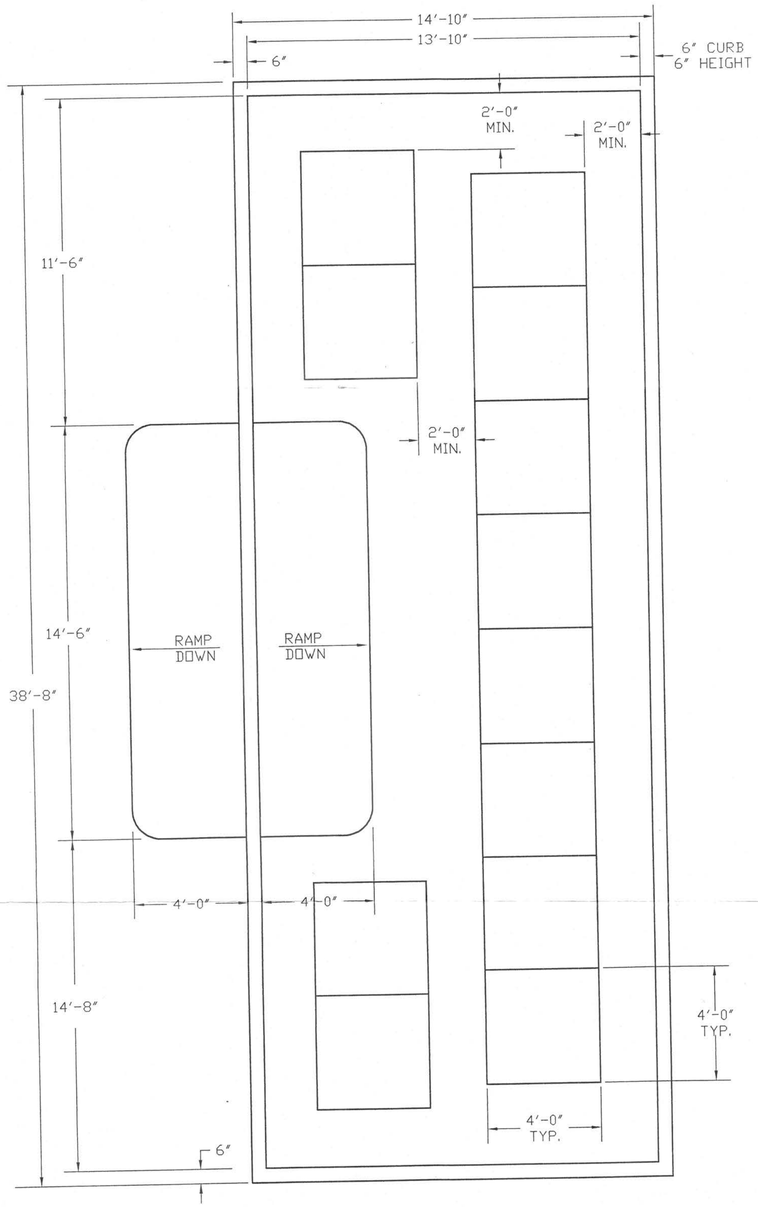
TANK FARM NO. 6B (BY CSI, INC.)
TRUCK STATION NO. 8
CONCRETE PLAN & DETAILS

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

SCALE	DRAWN	CHECKED	PROJ. ENG. APPR.	OPERATION APPR	DATE
1/8" = 1'	CEW				9/27/91

LEXINGTON, S.C. RECYCLE CENTER

DRAWING NO. 92-6300B-517 REV 1



CONTAINER STORAGE AREA NO. 12

PLAN

N

DF=E97522B0

EXHIBIT 27

NO.	DESCRIPTION	BY	CK	PROJ MGR APPR.	PROCESS APPR.	DATE
0	ISSUED FOR PART "B" PERMIT NOD 1997	RDK	KJM			02/10/97

REVISIONS

CONTAINER STORAGE AREA NO. 12 PLAN (Proposed)

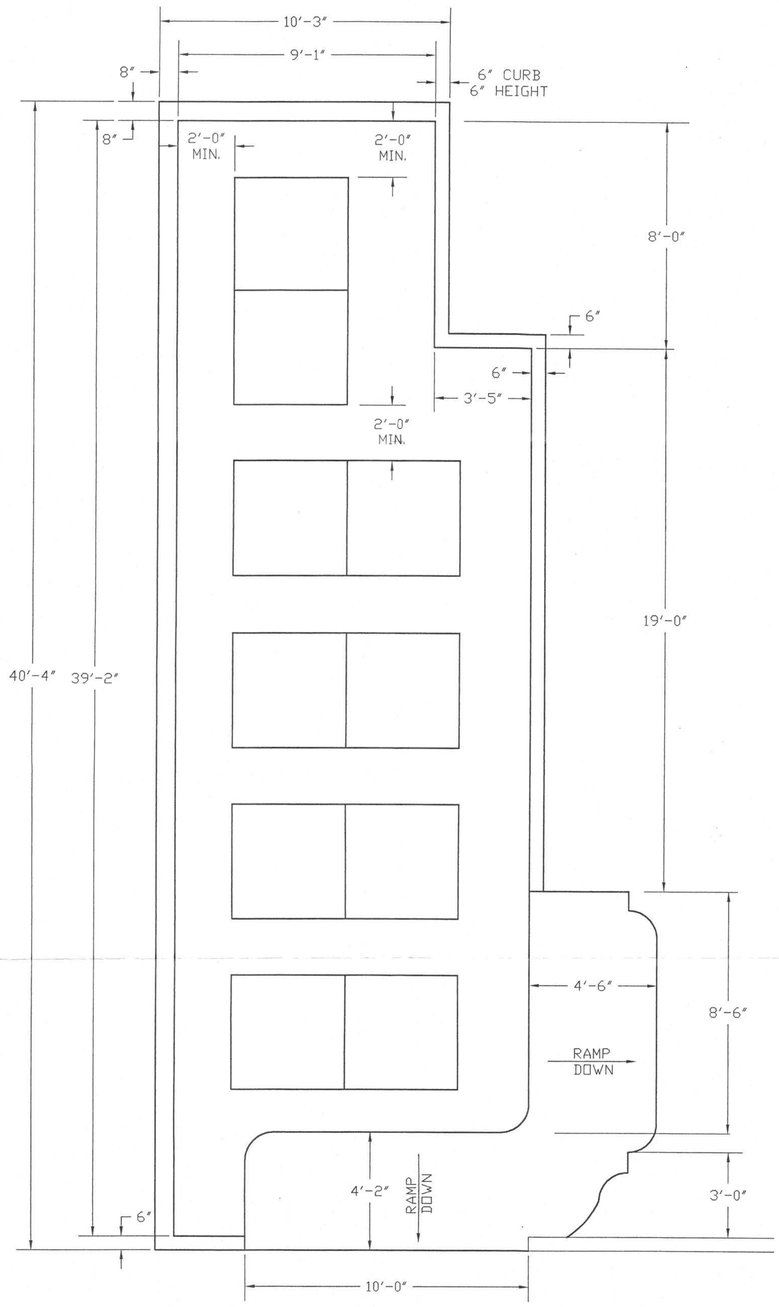
SAFETY-KLEEN CORP.

1000 RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE 847/697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR.	DATE
3/8″=1′-0″	RDK				01/06/97

LEXINGTON, SC RECYCLE CENTER

DRAWING NO. 97-6300B-522 REV 0



CONTAINER STORAGE AREA NO. 13

PLAN

DF=E97523B0

EXHIBIT 28

NO.	DESCRIPTION	BY	CK	PROJ.MGR APPR.	PROCESS APPR.	DATE
0	ISSUED FOR PART "B" PERMIT NOD 1997	RDK	KJM			12/10/97

REVISIONS

CONTAINER STORAGE AREA NO. 13 PLAN (Proposed)

SAFETY–KLEEN CORP.

1000 RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE 847/697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
3/8″=1′–0″	RDK				01/06/97

DRAWING NO.	REV
97-6300B-523	0

LEXINGTON, SC RECYCLE CENTER

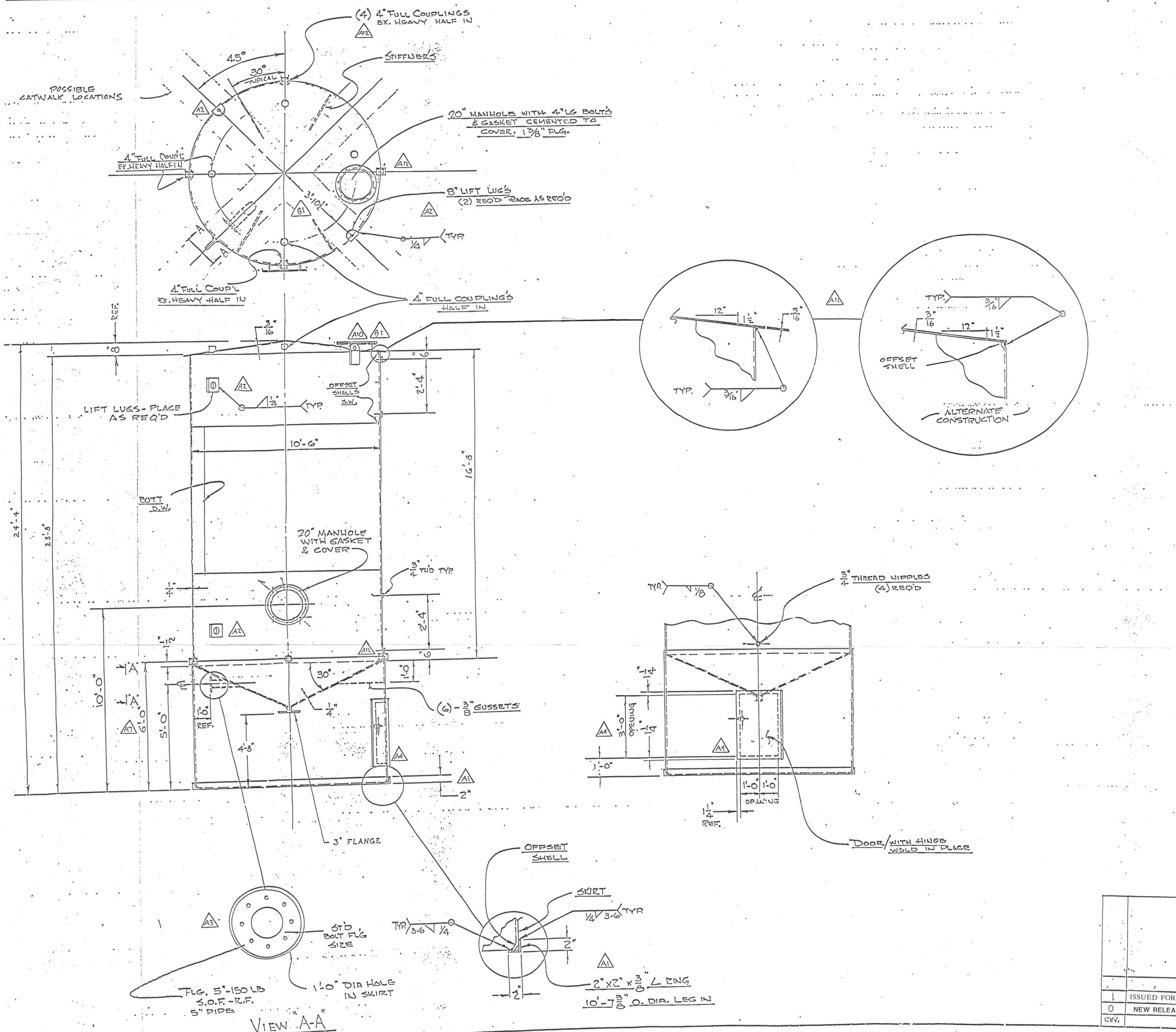


EXHIBIT 29

RCRA PART B PERMIT DRAWING

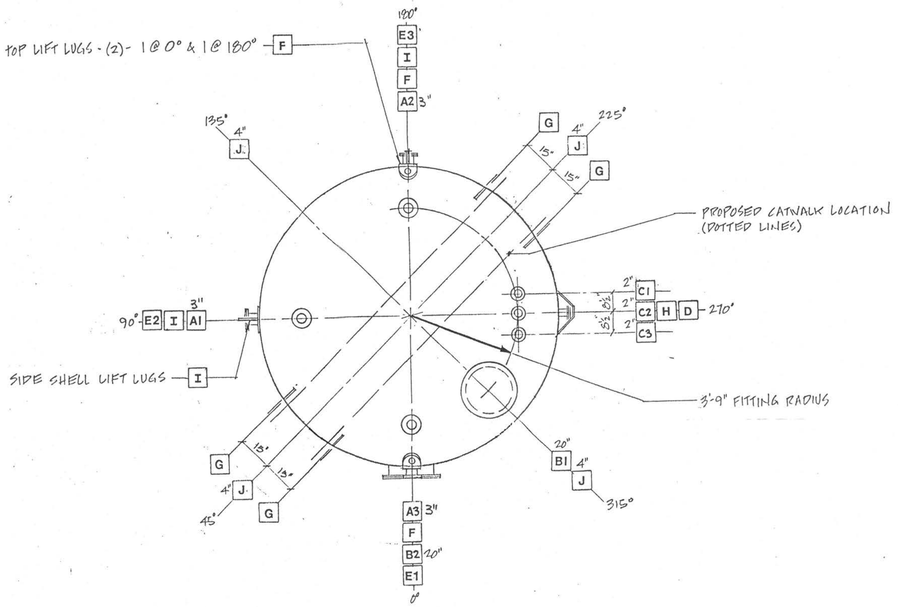
REV.	DESCRIPTION	BY	DATE
1	ISSUED FOR PART "B" PERMIT NOD 1997	MCO	2/7/97
0	NEW RELEASE	M.O'C	1/29/92

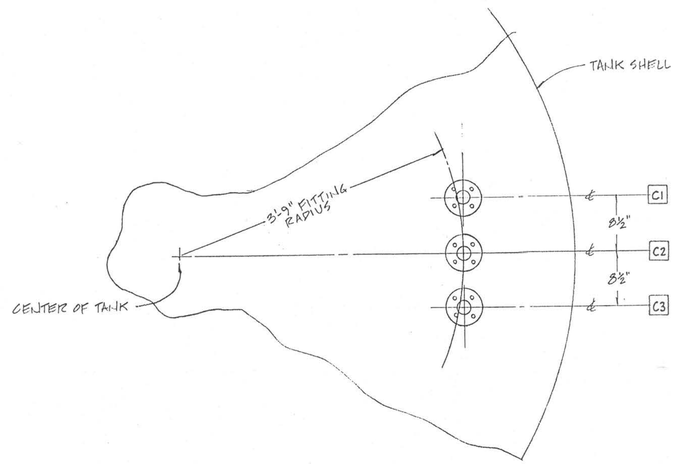
SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

10,000 GAL. LINED STEEL STORAGE TANK NO. T12, T13, T14.

LEXINGTON S.C. RECYCLE CENTER

92-6300B-151

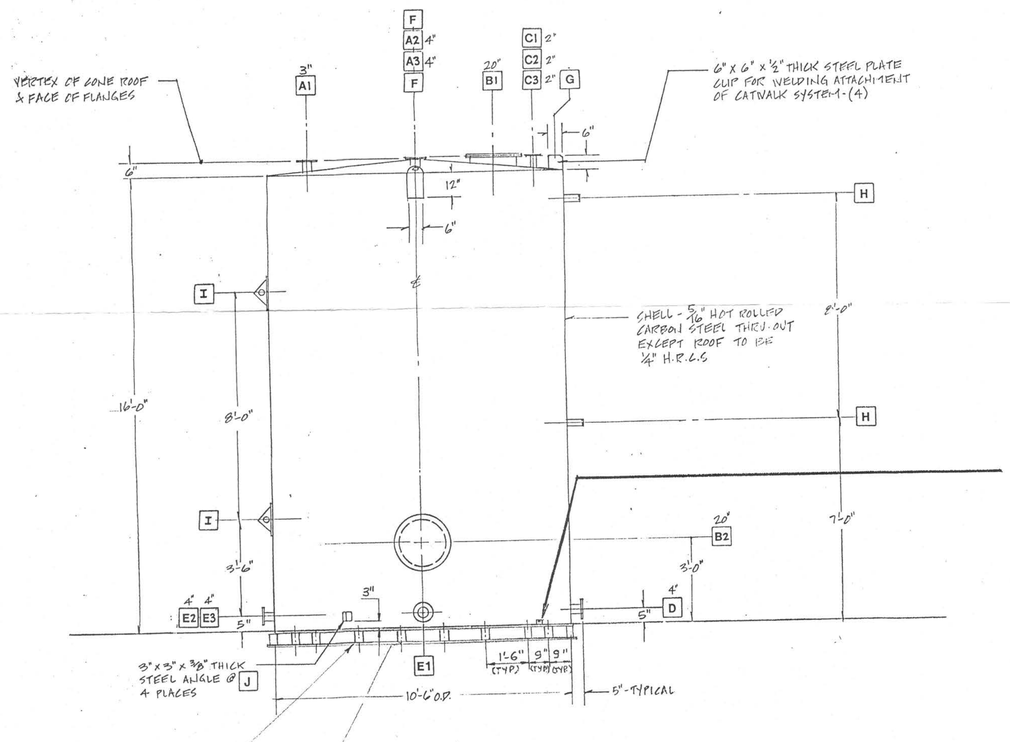




- DETAIL - C1, C2, C3 -

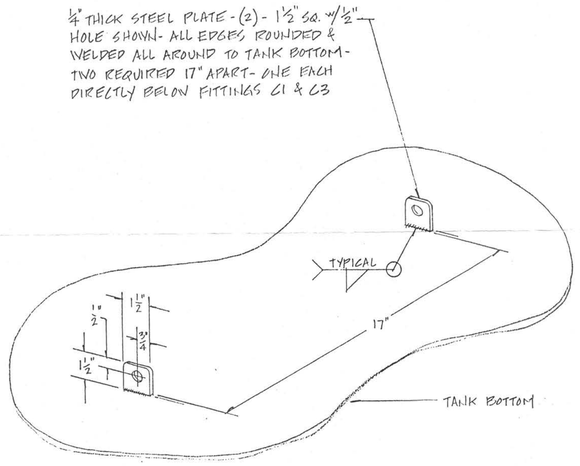
SCALE : 1" - 1'-0"

FITTING & FIXTURE SCHEDULE				
MARK	QUANTITY	SIZE/RATING	DESCRIPTION	REMARKS
A	3	3"-150#	3" FLANGED CONNECTION	W/(1)-150# BLIND FLANGE EACH
B	2	STANDARD 20" DIA.	20" MANWAY - COMPLETE	FABRICATOR: DO NOT SUPPLY GASKETS!
C	3	2"-150#	2" FLANGED CONNECTION	SEE DETAIL AT LEFT - TANK GAUGE CONNECTIONS
D	1	4"-150#	4" FLANGED CONNECTION	DRAIN W/(1)-150# BLIND FLG.
E	3	4"-150#	4" FLANGED CONNECTION	W/(1)-150# BLIND FLANGE EACH
F	2	—	½" THICK STEEL PLATE TOP LIFTING LUG W/1½"D. HOLE	
G	4	—	½" THICK STEEL PLATE 6" W. x 6" L. CATWALK CLIP	CATWALK WELDMENT ATTACHMENT CLIPS
H	2	—	GAUGE PIPING SUPPORTS	SUPPLIED BY SAFETY-KLEEN CORP.
I	4	—	½" THICK STEEL PLATE SIDE LIFTING LUG W/1½"D. HOLE	
J	4	—	3"x3"x⅜" THICK STEEL ANGLE X 3" LONG	TANK ANCHORING - SEE S-K DWG. C10262



- ELEVATION -

SCALE : ⅜" = 1'-0"



- DETAIL - (FLOAT GUIDE CABLE EYES) - (2)

SCALE : 3" = 1'-0"

- NOTES -

1. TANKS ARE FOR ATMOSPHERIC STORAGE OF LIQUIDS HAVING SPECIFIC GRAVITIES OF 1.1 TO 1.6 MAX.
2. DESIGN, FABRICATION, SURFACE FINISH & TESTING SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF:
   a) U.L. STANDARD 142 FOR CONSTRUCTION OF STEEL ABOVEGROUND ATMOSPHERIC STORAGE TANKS FOR FLAMMABLE & COMBUSTIBLE LIQUIDS, AND,
   b) N.A.C.E. STANDARD RP-01-75 FOR CONSTRUCTION OF METAL TANKS TO BE LINED FOR CHEMICAL IMMERSION SERVICE
3. BOLT HOLES OF ALL FLANGES WILL STRADDLE CENTERLINES - EXCEPT THOSE FITTINGS ON THE TANK TOP WHERE BOLT HOLES WILL STRADDLE RADIAL CENTERLINE OR AS SHOWN DETAILED OTHERWISE - ALL BOLTS SUPPLIED FOR BLIND FLANGES WILL BE A MINIMUM SAE GRADE 3 —
4. PAINT NOTE: REFER TO SAFETY-KLEEN STANDARD PAINT SPECIFICATION SHEET OR PURCHASE ORDER
5. 0 1 2 3 FT. REDUCTION SCALE FOR ELEVATION
6. FABRICATION TOLERANCES ON SHELL LENGTH TO BE ±1" MAX.-TYPICAL

EXHIBIT 30

NO.	DESCRIPTION	BY	CK	PROJ MGR APPR.	PROCESS APPR.	DATE
1	ISSUED FOR PART 'B' PERMIT NOD 1997	RDK		KJM		12/20/97
0	NEW RELEASE	MDC		KJM		01/29/92

REVISIONS

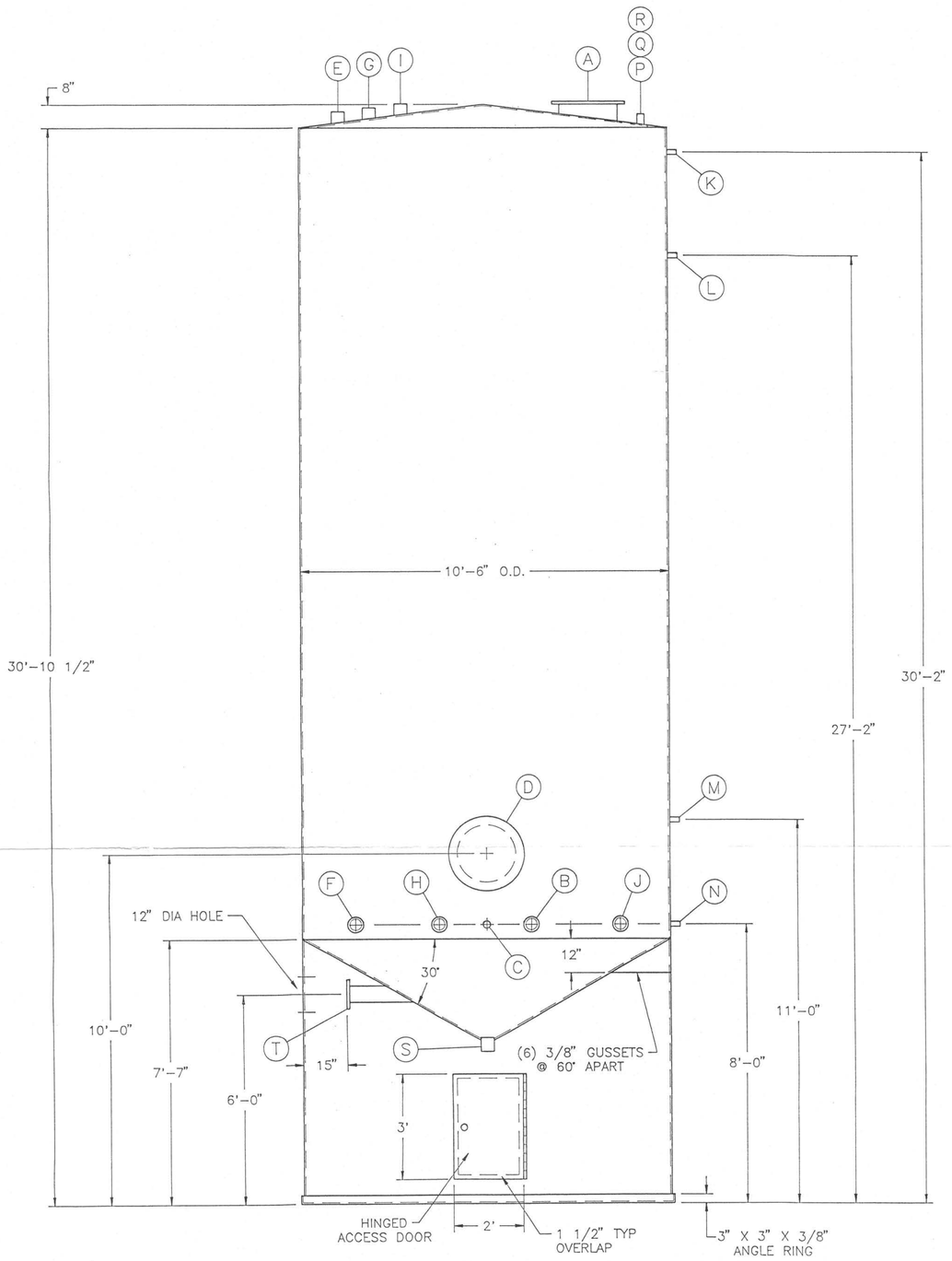
10,000 GAL.
STORAGE TANK
NO.77

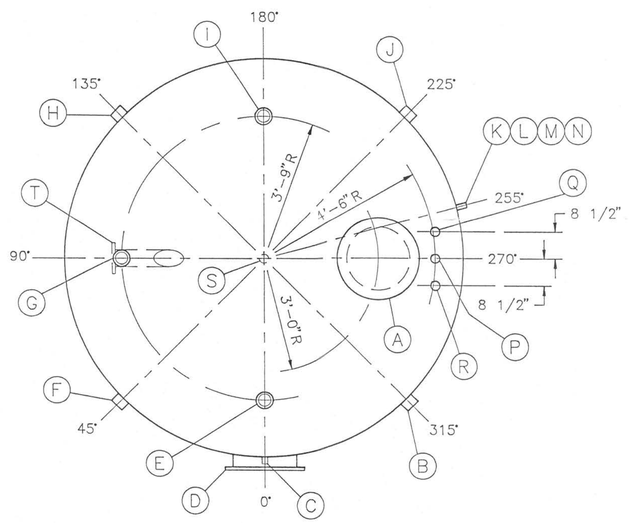
SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
3/8"=1'-0"	RDK				01/29/92

LEXINGTON, SC RECYCLE CENTER

DRAWING NO. 92-6300B-152 REV 0





TOP VIEW

NOZZLE SCHEDULE

ITEM	DESCRIPTION	HGT	ANGLE	RAD	REMARKS
A	20" MANWAY	–	270°	3'-0"	–
B	4" COUPLING	8'-0"	315°	–	INLET
C	1" COUPLING	8'-0"	0°	–	SAMPLE
D	20" MANWAY	10'-0"	0°	–	–
E	4" COUPLING	–	0°	3'-9"	LEVEL
F	4" COUPLING	8'-0"	45°	–	INLET
G	4" COUPLING	–	90°	3'-9"	SPARE
H	4" COUPLING	8'-0"	135°	–	INLET
I	4" COUPLING	–	180°	3'-9"	LEVEL
J	4" COUPLING	8'-0"	225°	–	SPARE
K	3/4" COUPLING	30'-2"	270°	–	SAMPLE
L	3/4" COUPLING	27'-2"	270°	–	SAMPLE
M	3/4" COUPLING	11'-0"	270°	–	SAMPLE
N	3/4" COUPLING	8'-0"	270°	–	SAMPLE
P	2" COUPLING	–	270°	4'-6"	VAREC
Q	2" COUPLING	–	REF ITEM 'P'		VAREC
R	2" COUPLING	–	REF ITEM 'P'		VAREC
S	4" COUPLING	–	–	C/L	DISCHARGE
T	5"–150#	6'-0"	90°	–	DISCHARGE

DF=E92153B1

EXHIBIT 31

NO.	DESCRIPTION	BY	CK	APPR	DATE
2	ISSUED FOR PART "B" PERMIT NOD 1997	MCO	KJM		2/7/97
1	REVISED & REDRAWN PER PART B NOD	M.O'C			9/23/93
0	NEW RELEASE	M.O'C			1/29/92

REVISIONS

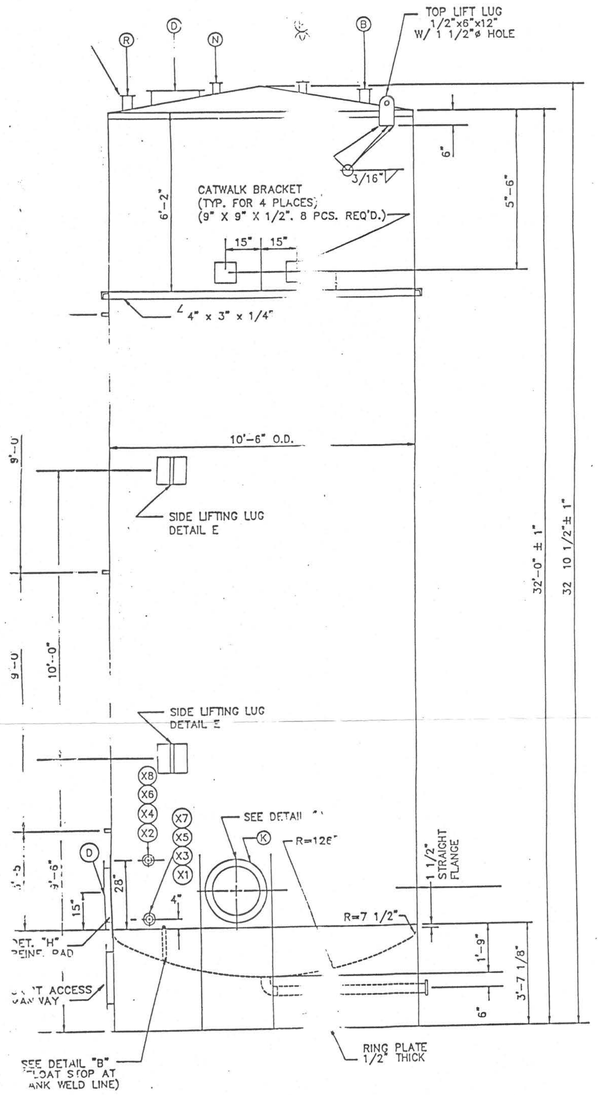
15,000 GALLON
CONE BOTTOM
STORAGE TANK

SAFETY–KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

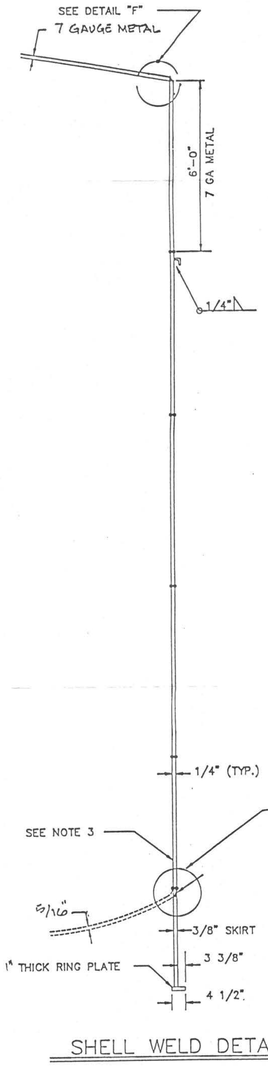
SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
1/2"=1'-0"	M.O'C				9/22/93

LEXINGTON, S.C.
RECYCLE CENTER

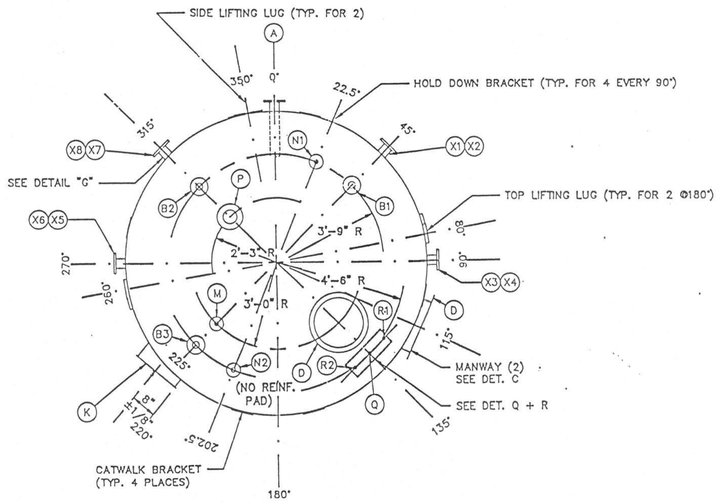
DRAWING NO. 92-6300B-153 REV 2.



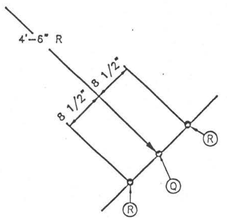
ELEVATION



SHELL WELD DETAIL



TOP VIEW



DETAIL Q + R

NOZZLE SCHEDULE

MARK	QTY	SIZE/ RATING	DESCRIPTION	REFERENCE REMARKS
A		3"–150#	OUTLET	
B1–3		3"–150#	VENT/SPARE	
D1–2	2	(PER DET.C)	MANWAY	BLIND FLANGE
K		20"–150#	MIXER	
M		2"–150#	VENT	
N1–2	2	2"–150#	N2	
P	1	6"–150# F.F.	LEVEL	
Q	1	2"–150#	LEVEL	
R1–2	2	2"–150#	LEVEL	
X1–8	8	3"–150#	IN/OUT	

NOTES:

1. DESIGN, FABRICATION, SURFACE FINISH, AND TESTING SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF UL 142, WEAK SEAM TO ROOF CONSTRUCTION. UL 142 STAMP IS REQUIRED.
2. BOLT HOLES OF ALL FLANGES WILL STRADDLE CENTERLINE EXCEPT THOSE FITTINGS ON THE TANK TOP WHERE THE BOLT HOLES WILL STRADDLE RADIAL CENTERLINE OR AS SHOWN DETAILED OTHERWISE. ALL BOLTS SUPPLIED SHALL BE A MINIMUM SAE GRADE 5 AND SHALL BE ZINC PLATED.
3. CIRCUMFERENTIAL AND LONGITUDINAL SHELL JOINTS TO BE DOUBLE BUTT WELDED UNLESS OTHERWISE NOTED. LONGITUDINAL SHELL WELDS SHALL BE STAGGERED.
4. ALL CARBON STEEL SURFACES ON THE EXTERIOR OF THE TANK SHALL BE PAINTED PER THE SAFETY–KLEEN STANDARD PAINT SPECIFICATION. TANK SHALL BE TRANSPORTED ON WOOD SURFACES TO MINIMIZE PAINT DAMAGE DURING SHIPPING.
5. THE DESIGN CONDITION FOR THE TANK WOULD BE AS FOLLOWS:
   DESIGN PRESSURE = 8 OZ PER SQUARE INCH (.5 PSI) PLUS FULL LIQUID HEAD, AND VACUUM 3.5 OZ/IN²
   CORROSION ALLOWANCE:
   TOP HEAD = 1/16"
   SHELL = 1/16"
   BOTTOM HEAD = 1/16"
   SUPPORT SKIRT = NONE
   SPECIFIC GRAVITY = 1.6
   WIND LOADING = ANSI-A58.1 FOR 100 MPH WIND
   DESIGN TEMPERATURE = -15 TO +212-DEGREES-FAHRENHEIT
   EARTHQUAKE DESIGN LOADING = UBC 88 ZONE 2
6. UPON COMPLETION AND PRIOR TO PAINTING, THE TANK SHALL BE TESTED BY FILLING WITH WATER & PAD WITH 1 PSI AIR PRESS. NO VISIBLE SIGNS OF LEAKAGE ALLOWED. CHECK ALL WELDS AND SEAMS WITH SOAPY SOLUTION
7. ALL OPENINGS TO THE TANK SHALL BE COVERED PRIOR TO SHIPPING.
8. MATERIAL SHALL BE ASTM A36–81A CARBON STEEL FOR SHELL AND TOP HEAD, SA–285–C FOR BOTTOM HEAD, SA–36 FOR SKIRT
9. GASKETS TO BE U.L. APPROVED GASKET MATERIAL

PAINT : REFER TO SAFETY–KLEEN PAINT SPECIFICATION

RCRA PART B
PERMIT DRAWING

EXHIBIT 32

DF=STD154A

NO.	DESCRIPTION	BY	CK	APPR	DATE
	REVISIONS				
1	ISSUED FOR PART "B" PERMIT NOD 1997	MCO	KJM		2/7/97
0	NEW RELEASE	M.O'C	KJM		1/29/92

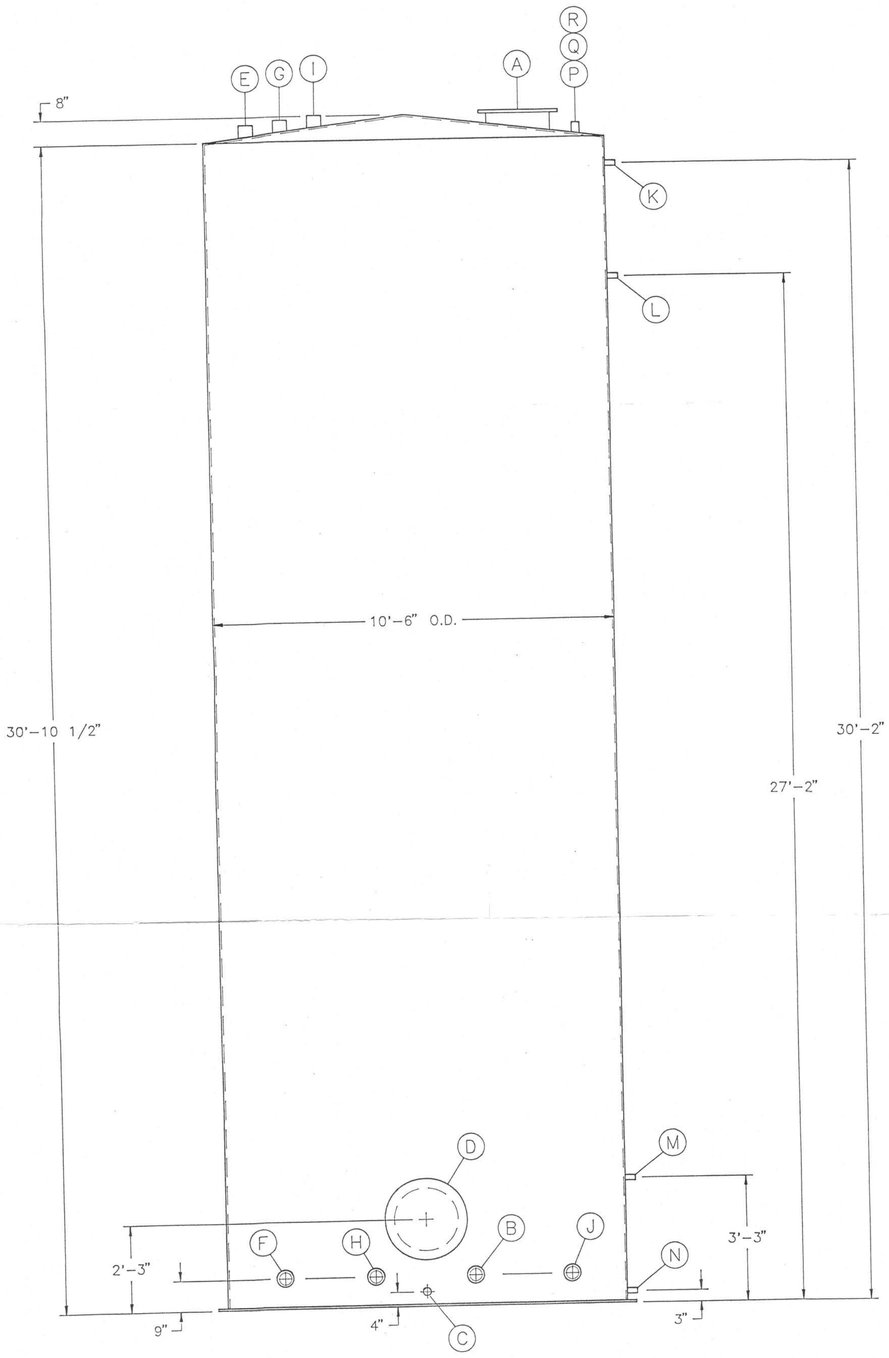
STANDARD 18,500 GAL. CARBON STEEL DISHED BOTTOM TANK

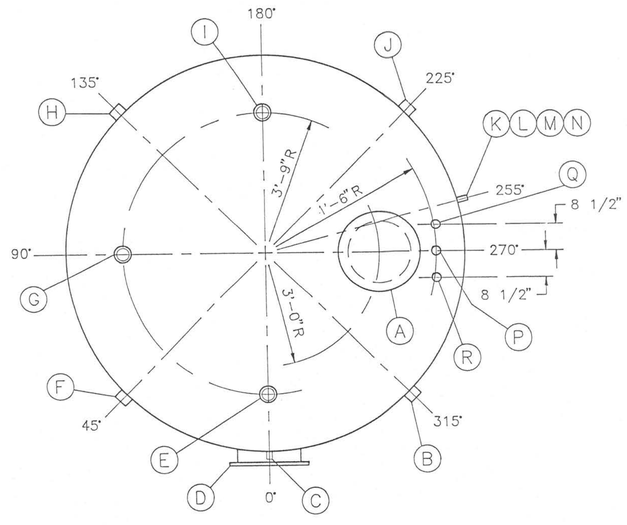
SAFETY–KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697–8460

SCALE	DRAWN	CHECKED	PROJ ENG APPR	OPERATION APPR	DATE
3/8" = 1'	EPC	KJM			7/9/92

LEXINGTON, S.C. RECYCLE CENTER

DRAWING NO. 92-6300B-154 | 1





TOP VIEW

NOZZLE SCHEDULE

ITEM	DESCRIPTION	HGT	ANGLE	RAD	REMARKS
A	20" MANWAY	–	270°	3'-0"	–
B	4" COUPLING	9"	315°	–	INLET/OUTLET
C	1" COUPLING	4"	0°	–	SAMPLE
D	20" MANWAY	2'-3"	0°	–	–
E	4" COUPLING	–	0°	3'-9"	LEVEL
F	4" COUPLING	9"	45°	–	INLET/OUTLET
G	4" COUPLING	–	90°	3'-9"	SPARE
H	4" COUPLING	9"	135°	–	INLET/OUTLET
I	4" COUPLING	–	180°	3'-9"	LEVEL
J	4" COUPLING	9"	225°	–	SPARE
K	3/4" COUPLING	30'-2"	270°	–	SAMPLE
L	3/4" COUPLING	27'-2"	270°	–	SAMPLE
M	3/4" COUPLING	3'-3"	270°	–	SAMPLE
N	3/4" COUPLING	3"	270°	–	SAMPLE
P	2" COUPLING	–	270°	4'-6"	VAREC
Q	2" COUPLING	–	REF ITEM 'P'		VAREC
R	2" COUPLING	–	REF ITEM 'P'		VAREC

DF=E92155B1

EXHIBIT 33

NO.	DESCRIPTION	BY	CK	APPR	DATE
2	ISSUED FOR PART "B" PERMIT NOD 1997	MCO	KJM		2/7/97
1	REVISED & REDRAWN PER PART B NOD	M.O'C			9/23/93
0	NEW RELEASE	M.O'C			1/29/92

REVISIONS

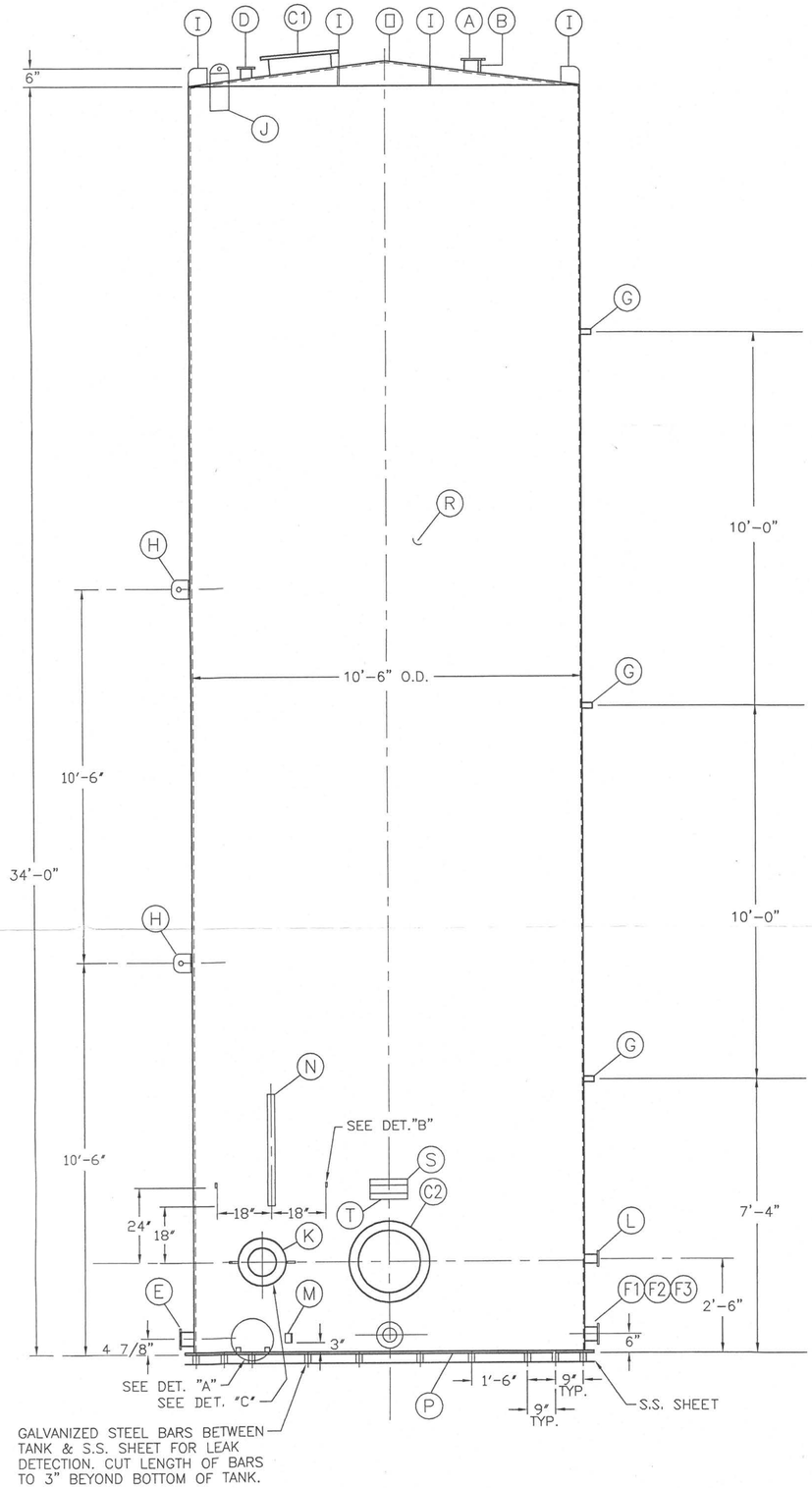
20,000 GALLON
FLAT BOTTOM
STORAGE TANK

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
1/2"=1'-0"	M.O'C				9/23/93

LEXINGTON, S.C.
RECYCLE CENTER

DRAWING NO. 92-6300B-155 REV 2

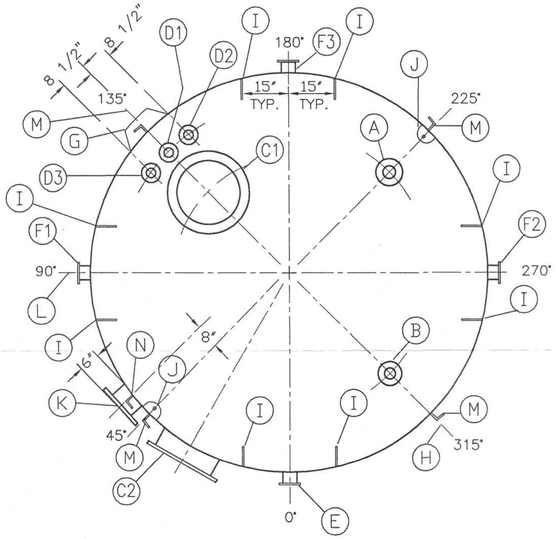


MATERIAL LIST

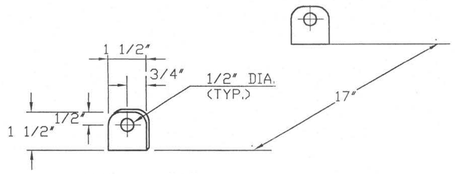
ITEM	QNT.	SIZE
A, E, F	5	4" 150# SLIP ON WELD FLG.
		4" SCH.40 PIPE 6" LG.
B	1	3" 150# SLIP ON WELD FLG.
		3" SCH.40 PIPE 6" LG.
C	2	20" MANHOLE NECK
		20" MANHOLE COVER
C1	4	1/2"x4" MASHINE BOLTS W/NUTS
		(ROOF MANWAY ONLY)
D1,D2,D3	3	2" 150# SLIP ON WELD FLG.
		2" SCH.40 PIPE 6" LG.
G	3	GUAGE PIPE SUPPORT (SUPPLIED BY S-K)
H	2	1/2"x 6"x 6" LG LUGS
I	8	1/2"x 6"x 6" LG PLATE (CATWALK SUPORT)
J	2	1/2"x 6"x 12" LG LUGS (W/1 1/2" HOLE)
K	1	8" 150# SLIP ON WELD FLG.
		8" SCH.40 PIPE 6" LG.
L	1	2" 150# SLIP ON WELD FLG.
		2" SCH.40 PIPE 6" LG.
M	4	L 3"x 3"x 3/8" - 3" LG.
N	1	L 3"x 3"x 3/8" - 36" LG.
O	1	1/4"x 10'-6" CONE TOP - 6" RISE
P	1	5/16"x 10'-6" FLAT BOTTOM
R	4	5/16"x 72"x 397" SHELLS
R	2	5/16"x 48"x 397" SHELLS
S	1	"CEM" LABEL
T	1	"ULAG" LABEL

NOZZLE SCHEDULE

ITEM	QNT.	SIZE	DESCRIPTION	REMARKS
A	1	4"-150#	4" FLG'D NOZZLE	W/BLIND FLG.
B	1	3"-150#	3" FLG'D NOZZLE	LESS GASKETS
C1, C2	2		20" MANWAY	SAMPLE
D1,D2,D3	3	2"-150#	2" FLG'D NOZZLE	
E	1	4"-150#	4" FLG'D NOZZLE	
F1,F2,F3	3	4"-150#	4" FLG'D NOZZLE	
G	3		GUAGE PIPE SUP.	FURNISHED BY S-K
H	2		SIDE LIFT LUGS	
I	8		6"x6"x1/2" PLATES	CATWALK SUP'S
J	2		6"x12"x1/2" PLATES	LIFT LUGS
K	1	8"-150#	8" FLG'D NOZZLE	GUSSETED TO SHELL
L	1	2"-150#	2" FLG'D NOZZLE	W/BLIND FLG.
M	4		L3"x3"x3/8"-3"LG.	
N	1		L3"x3"x3/8"-36"LG.	

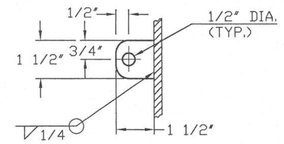


TOP VIEW



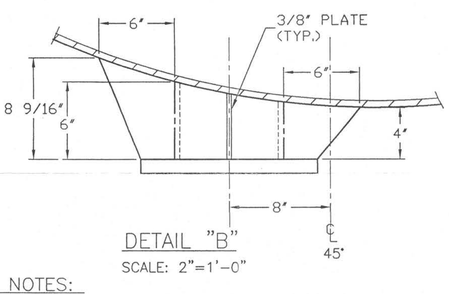
DETAIL "A"

LOCATED DIRECTLY BELOW NOZZLES D2 & D3.
N.T.S.



DETAIL "B"

N.T.S.



DETAIL "B"

SCALE: 2"=1'-0"

NOTES:

1. INTER WELDS ARE TO BE GROUND HAND SMOOTH W/NO HOLES - NO UNDER CUT. ALL OPENINGS TO BE BACK WELDED AND GROUND SMOOTH. ALL SHARP CORNERS GROUND TO 1/8" MIN. RADIUS.
2. BOLTS HOLES TO STRADDLE NATURAL OF TANK. FACE OF FLANGES TO BE SQUARE & PLUMB.
3. PAINT - NONE
   SANDBLAST - NONE
   DESIGN PRESSURE - ATMOS.
   TEST - AIR & SOAP.

10'-6"X32'-20,725 GAL. VERTICAL TANK P.E. ULAG.

SAFETY KLEEN CORP.

Certified EQUIPMENT & MFG. CO. SPRINGFIELD, ILLINOIS

DRAWN BY V.E.O	DATE 5/15/85	SCALE NO	DWG. NO. 5154 L	REV.
CHECKED BY	DATE			

DF=E92156B1

EXHIBIT 34

NO.	DESCRIPTION	BY	CK	APPR	DATE
1	REDRAWN PER PART "B" NOD 1997	RDK	KJM		01/27/97
0	NEW RELEASE	M.O'C			1/29/92

REVISIONS

20,000 GAL. LINED FLAT BOTTOM STEEL STORAGE TANK FOR TANK NO'S T73, T75 & T76

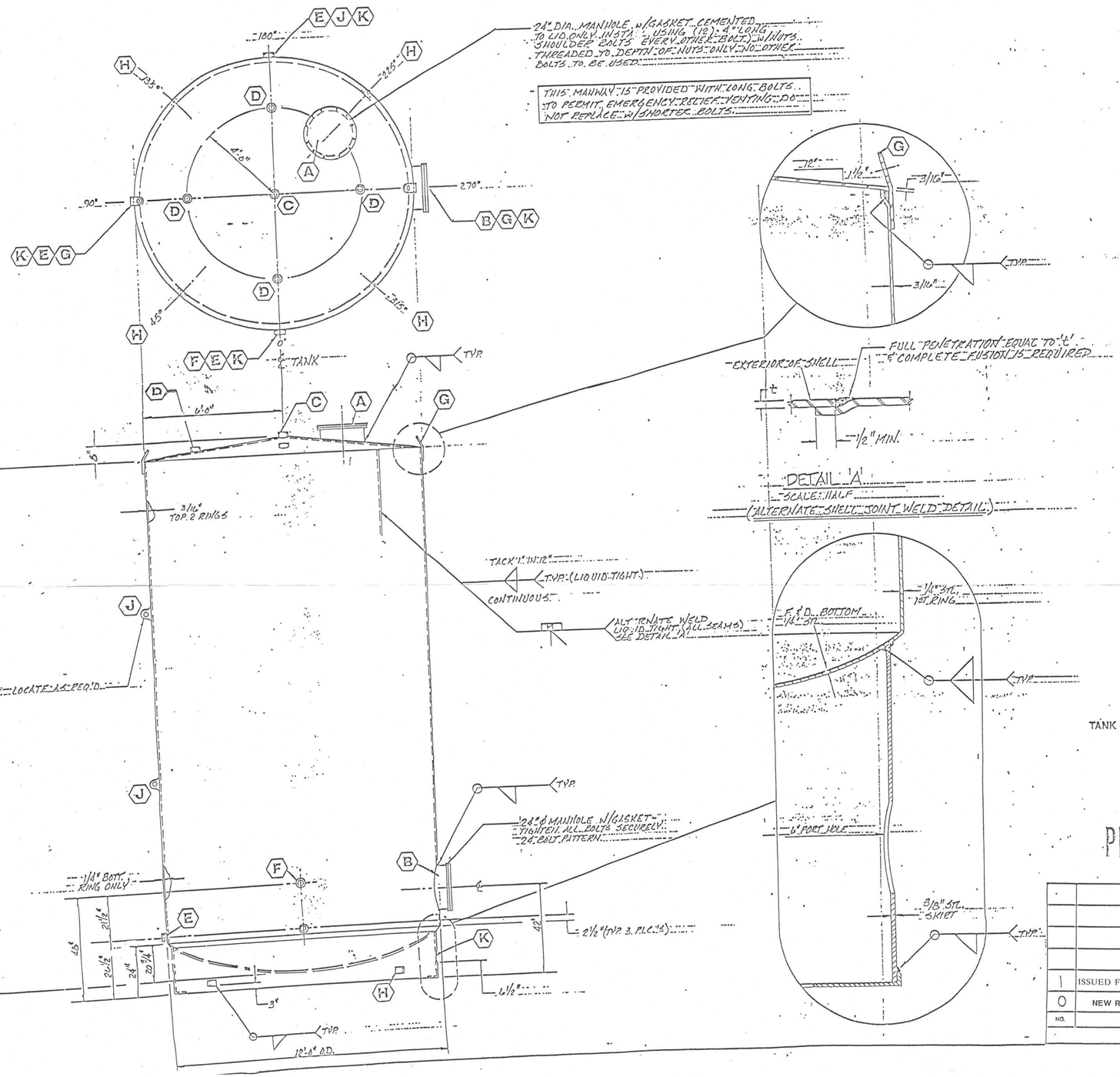
SAFETY-KLEEN CORP.

1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
1/2"=1'-0"	RDK				01/27/97

LEXINGTON, S.C. RECYCLE CENTER

DRAWING NO. 92-6300B-156 REV 1



MARK	QUAN.	SIZE	DESCRIPTION
K	4	6"	PORT HOLES
J	2	"	SIDE LIFT LUGS
H	4	"	3"x3"x3/8"x3'LONG
G	2	"	LIFT LUGS
F	1	4"	FULL COUPLING
E	3	4"	" "
D	4	4"	" "
C	1	4"	HALF "
B	1	24"	SHELL MANWAY (24 BOLT)
A	1	24"	ROOF MANWAY w/12 EA. 1/2" x 4" SHOULDER BOLTS

NOTES:

1) TEST PRESSURE TO BE 1½ P.S.I. AIR MIN. & 5 P.S.I. MAX.
2) CONSTRUCTION TO MEET "UNDERWRITERS LABORATORIES" REQUIREMENTS AND BE SO LABELED.
3) EXTERIOR OF TANK SURFACE ONLY TO BE PREPARED IN ACCORDANCE W/STEEL STRUCTURE PAINTING COUNCIL" CODE # SSPC-SP3 "EST.
   A) REMOVE LOOSE RUST & MILL SCALE BY SANDBLASTING & POWER TOOL WIRE BRUSHING & GRINDING.
4) AFTER SURFACE PREPARATION APPLY (1) COAT OF WHITE OXIDE PAINT & (2) COATS OF ALKYD BASE GLOSS WHITE STRUCTURAL ENAMEL, E.G. MOBIL-R-10-A. ALLOW PAINT TO DRY 16-24 HOURS BETWEEN COATS TO INSURE PROPER SEALING.
5) SUPPORTING SKIRT SHALL BE PROTECTED BY MATERIALS HAVING A FIRE RESISTANCE RATING OF NOT LESS THAN 2 HRS. FIREPROOFING MATERIAL SHALL BE ALBI QUAD 800, MANUFACTURED BY ALBI MANUFACTURING, A DIVISION OF STAN CHEM, INC. OF EAST BERLIN, CT. OR APPROVED EQUAL BY THE OWNER. MATERIAL SHALL BE APPLIED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
6) WELDING PROCEDURES AND QUALIFICATIONS OF WELDERS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF SECTION IX OF THE ASME BOILER & PRESSURE VESSEL CODE.

TANK DESIGNATION LIST:

TANKS THAT APPLY TO THIS PRINT ARE: TANK NO'S. 206,207,208,209,211,213,214,215,216, & 217

RCRA PART B
PERMIT DRAWING

EXHIBIT 35

NO.	DESCRIPTION	BY	CHK.	APPR.	DATE
	REVISIONS				
1	ISSUED FOR PART "B" PERMIT NOD 1997	MCO	KJM		2/7/97
0	NEW RELEASE	M.O'C	KJM		1/30/92

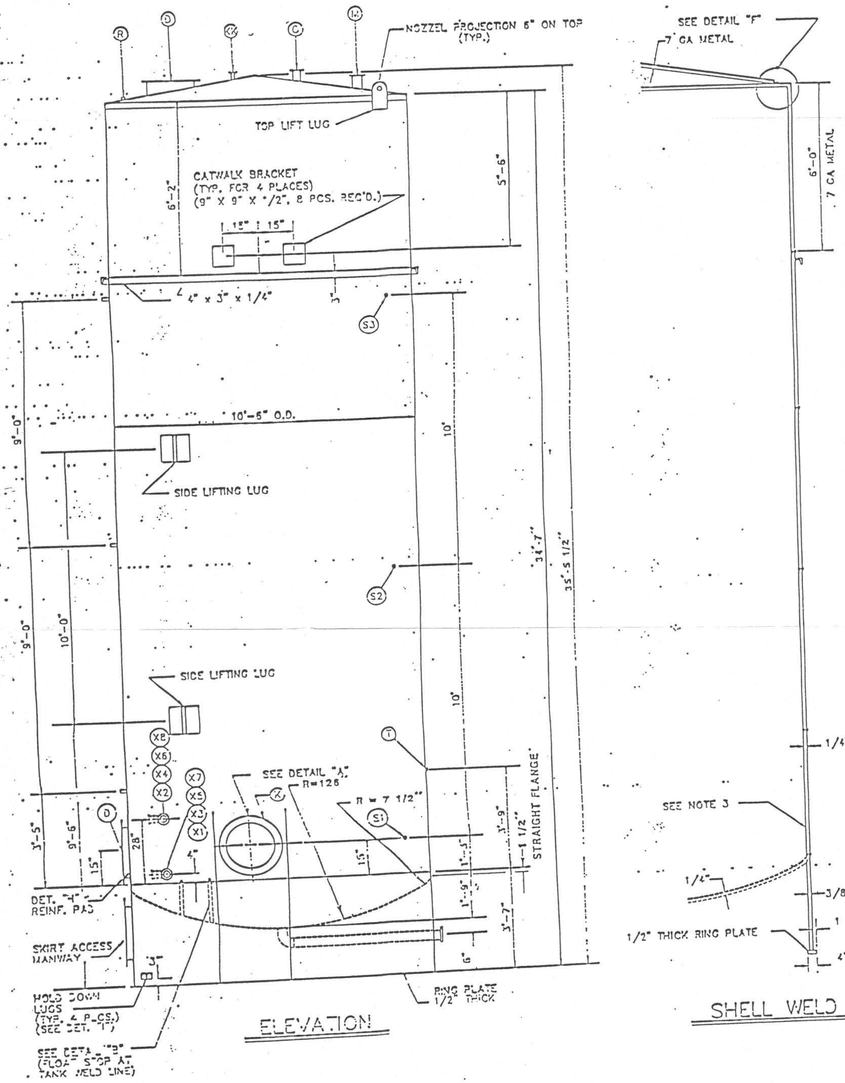
TITLE: 20,000 GAL. 12'-0" DIA. DISHED BOTTOM TANKS SEE TANK LIST ABOVE

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

SCALE	DRAWN	CHECKED	PROCESS APPR.	OPERATION APPR.	DATE
NONE	—	KJM			

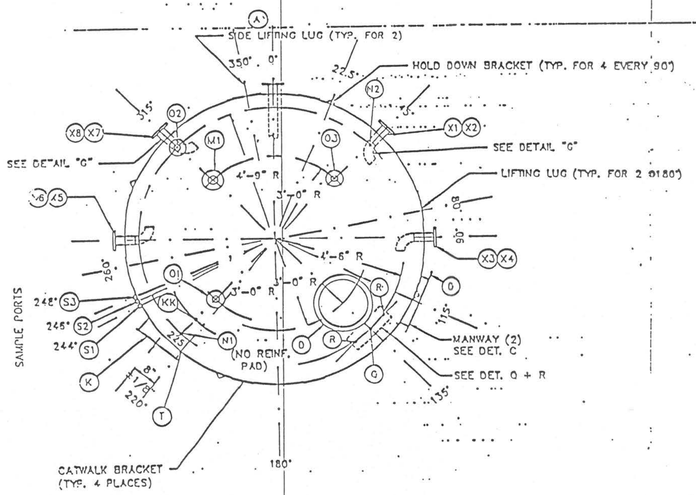
LEXINGTON S.C. RECYCLE CENTER

DRAWING NO. 92-6300B-157

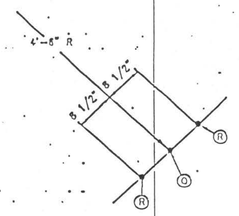


ELEVATION

SHELL WELD DETAIL



TOP VIEW



DETAIL Q + R

NOZZLE SCHEDULE

NOZZLE	DESCRIPTION	SIZE	GASKET	BLINDFLG. /PLUG
D	MANWAY	(PER DET. C)	1/4" GORETEX	X
K	MIXER	20" 150#	1/4" GORETEX	
M1	VENT	3" 150#	1/4" GORETEX	
O1	VENT	3" 150#	1/4" GORETEX	
O2	SPARE	3" 150#	1/4" GORETEX	
O3	SPARE	3" 150#	1/4" GORETEX	
O4	SPARE	3" 150#	1/4" GORETEX	
O	LEVEL	1 1/2" FULL CPLG.		
R	LEVEL	1 1/4" FULL CPLG.		
X1	IN/OUT	3" 150#	1/4" GORETEX	
X2	IN/OUT	3" 150#	1/4" GORETEX	
X3	IN/OUT	3" 150#	1/4" GORETEX	
X4	IN/OUT	3" 150#	1/4" GORETEX	
X5	IN/OUT	3" 150#	1/4" GORETEX	
X6	IN/OUT	3" 150#	1/4" GORETEX	
X7	IN/OUT	3" 150#	1/4" GORETEX	
X8	IN/OUT	3" 150#	1/4" GORETEX	
KK	HI LV. AL.	1" FULL CPLG.		
S1	SAMPLE PORT	1" FULL CPLG.		
S2	SAMPLE PORT	1" FULL CPLG.		
S3	SAMPLE PORT	1" FULL CPLG.		
		1" FULL CPLG.		
N1	N2			
N2	N2	1" FULL CPLG.		
A	OUTLET	3" 150#	1/4" GORETEX	
T	LO LV. CUT	1" FULL CPLG.		

NOTES:

1. DESIGN, FABRICATION, SURFACE FINISH, AND TESTING SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF UL 142. WEAK SEAM TO ROOF CONSTRUCTION UL 142 STAMP IS REQUIRED.
2. BOTH HOLES OF ALL FLANGES WILL STRADDLE CENTERLINE EXCEPT THOSE FITTINGS ON THE TANK TOP WHERE THE BOLT HOLES WILL STRADDLE RADIAL CENTERLINE OR AS SHOWN DETAILED OTHERWISE. ALL BOLTS, SUPPLIED, SHALL BE A MINIMUM SAE GRADE 5 AND SHALL BE ZINC PLATED.
3. CIRCUMFERENTIAL AND LONGITUDINAL SHELL JOINTS TO BE DOUBLE BUTT WELDED UNLESS OTHERWISE NOTED. LONGITUDINAL SHELL WELDS SHALL BE STAGGERED.
4. ALL CARBON STEEL SURFACES ON THE EXTERIOR OF THE TANK SHALL BE PAINTED PER THE SAFETY-KLEEN STANDARD PAINT SPECIFICATION. TANK SHALL BE TRANSPORTED ON WOOD SURFACES TO MINIMIZE PAINT DAMAGE DURING SHIPPING.
5. THE DESIGN CONDITION FOR THE TANK WOULD BE AS FOLLOWS:
   DESIGN PRESSURE = 8 OZ PER SQUARE INCH (.5 PSI) PLUS FULL LIQUID HEAD, AND VACUUM 3.5 OZ/IN².
   CORROSION ALLOWANCE:
   TOP HEAD = 1/16"
   SHELL = 1/16"
   BOTTOM HEAD = 1/16"
   SUPPORT SKIRT = NONE
   SPECIFIC GRAVITY = 1.6
   WIND LOADING = 20 PSF AT .6 SHAPE FACTOR.
   DESIGN TEMPERATURE = -15 TO +212 DEGREES FAHRENHEIT
   EARTHQUAKE DESIGN LOADING = UBC 88 ZONE #2B
6. UPON COMPLETION AND PRIOR TO PAINTING, THE TANK SHALL BE TESTED WITH 1 1/2-2 PSI AIR PRESSURE WITH SOAP. NO VISIBLE SIGNS OF LEAKAGE ALLOWED.
7. ALL OPENINGS TO THE TANK SHALL BE COVERED PRIOR TO SHIPPING.
8. MATERIAL SHALL BE ASTM A36-81A CARBON STEEL FOR SHELL AND TOP HEAD, SA-285-C FOR BOTTOM HEAD, SA-36 FOR SKIRT
9. TANK FABRICATOR SHALL CERTIFY STRUCTURAL INTEGRITY.

PAINT: SHER. WILLIAMS B69A47.
SHER. WILLIAMS B42W101

SANDBLAST: SSPC-6-63

TEST: 1 1/2 PSI SOAP AND WATER

TANK DESIGNATION LIST

TANKS THAT APPLY TO THIS PRINT ARE: TANK NO'S. 81,85,86,87,88 & 90

EXHIBIT 36

RCRA PART B PERMIT DRAWING

DF=SD186E1 1202-16

0 0.5 1 2 3 4 5
SCALE: 3/8"=1'-0"

NO.	DESCRIPTION	BY	CHKD.	APPR.	DATE
1	ISSUED FOR PART "B" PERMIT NOD 1997	MCO	KJM		2/7/97
0	NEW RELEASE	M.O.C.	KJM		1/30/92

REVISIONS

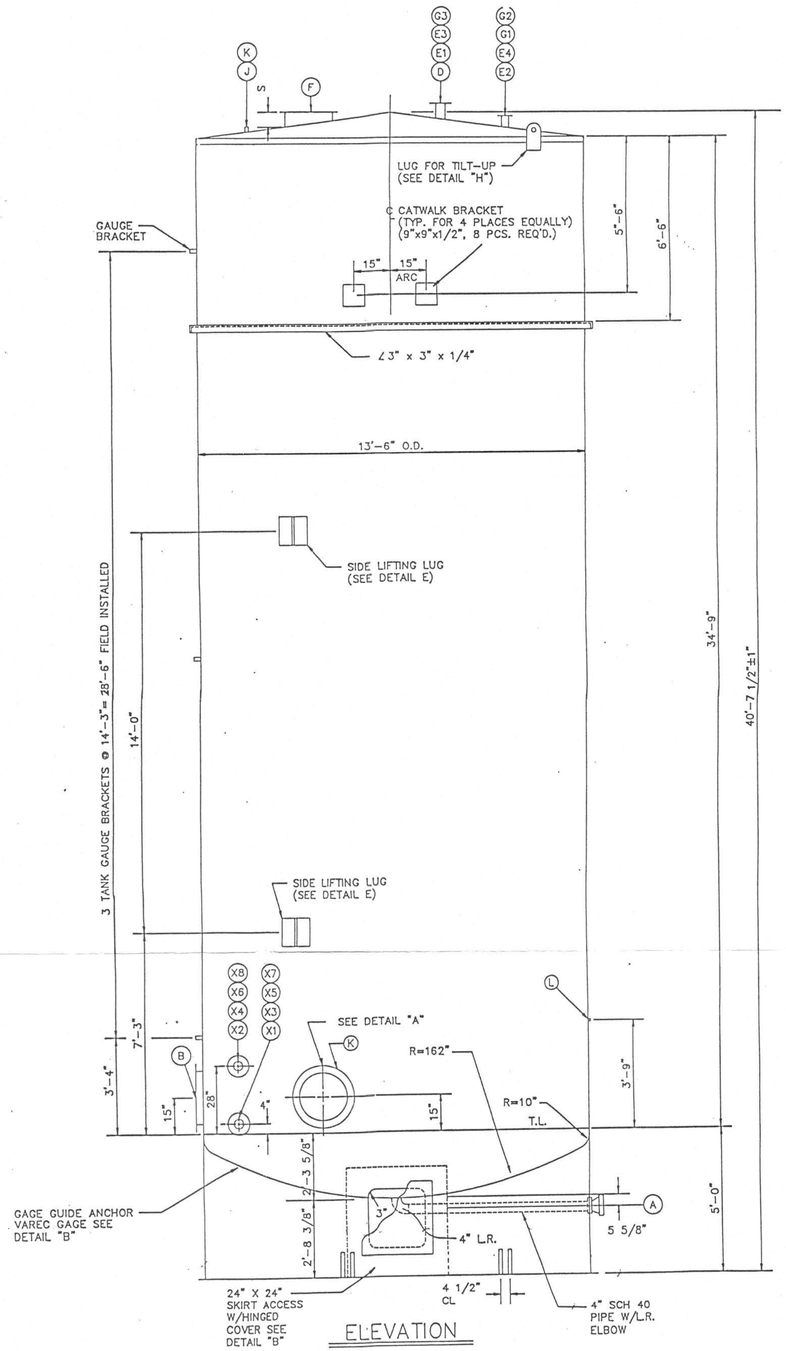
TITLE
20,000 GALLON CARBON STEEL DISHED BOTTOM STORAGE TANKS
SEE TANK LIST ABOVE

SAFETY-KLEEN CORP
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (847) 697-8460

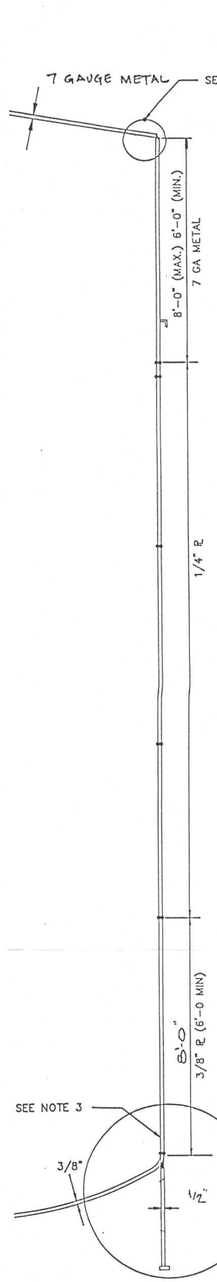
PROCESS APPR.	SPECIALTIES APPR.	SCALE	DRAWN	DATE
		3/8"=1'-0"	J.C. CONTEL	1/14/92

LEXINGTON, S.C.
RECYCLE CENTER

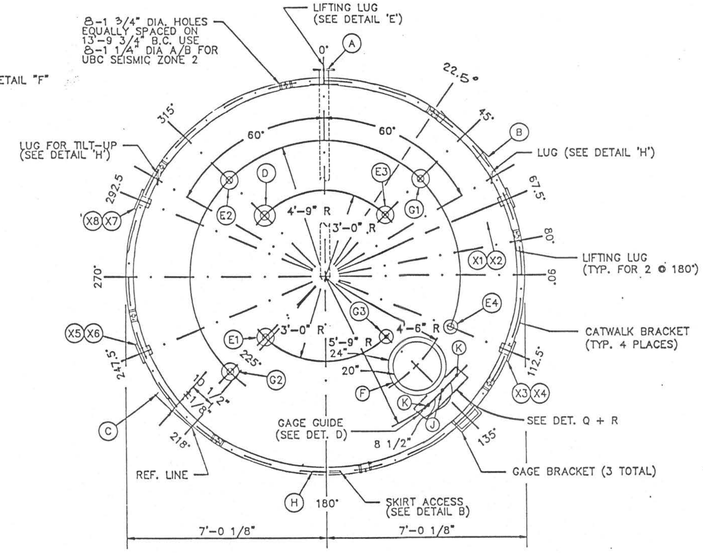
92-6300B-158 SHT. 1



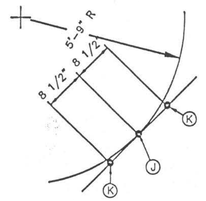
ELEVATION



VERTICAL SECTION



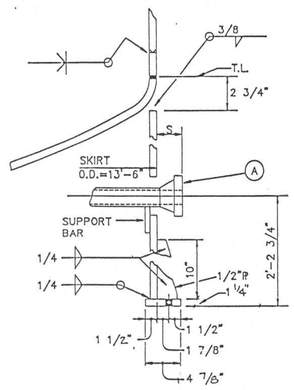
PLAN VIEW



DETAIL Q + R

SITE	W	M	Q
UBC SEISMIC ZONE 2	552K	1325 FT-K	62.1K
ANSI A58.1 100 MPH WIND	552K	284.5 FT-K	12.7K

TANK FOUNDATION LOADS



NOZZLE SCHEDULE

MARK	QTY.	LOCATION Ø	LOCATION H	LOCATION R	DESCRIPTION SIZE	DESCRIPTION S	SERVICE	GASKET	REMARKS
A	1	0°	2'-2 3/4"	——	4"–150#	5"	OUTLET	1/8"	THRU SKIRT
B	1	45°	6'–3"	——	20"–UL142	ABT 5"	SHELL M/H W/DAVIT	1/8"	SEE DETAIL C
C		218° REFUNE	6'–3"	——	20"–150#	7 3/4"	MIXER NOZZLE	1/8"	NON-RADIAL WITH REINDER FLANGE
D	1	315°	——	3'–0"	4"–150#	6"	VENT	1/8"	ROOF NOZZLE
E1	1	225°	——	3'–0"	3"–150#	6"	VENT	1/8"	ROOF NOZZLE
E2	1	315°	——	4'–9"	3"–150#	6"	SPARE	1/8"	ROOF NOZZLE
E3	1	45°	——	3'–0"	3"–150#	6"	SPARE	1/8"	ROOF NOZZLE
E4	1	112.5°	——	4'–9"	3"–150#	6"	SPARE	1/8"	ROOF NOZZLE
F	1	135°	——	4'–6"	20"–UL142	6"	MANHOLE	1/8"	ROOF
G1	1	45°	——	4'–9"	2"–150#	6"	NITROGEN	1/8"	ROOF NOZZLE
G2	1	225°	——	4'–9"	2"–150#	6"	NITROGEN	1/8"	ROOF NOZZLE
G3	1	135°	——	3'–0"	2"–150#	6"	HI LEVEL ALARM	1/8"	ROOF NOZZLE
H	1	180°	1'–6" TO CTR	——	24" x 24"	—	SKIRT ACCESS COVER	NONE	SEE DETAIL B
J	1	135° REFUNE	——	5'–9"	1 1/2"CPLG*	5"	LEVEL		
K	2	135° REFUNE	——	SEE PLAN	1 1/2"CPLG*	5"	LEVEL		
L	1	240°	8'–9"	——	2"–150#	5"	LO LEVEL ALARM		
X1	1	67.5°	5'–4"	——	4"–150#		IN/OUT	1/8"	
X2	1	67.5°	7'–4"	——	4"–150#		IN/OUT	1/8"	
X3	1	112.5°	5'–4"	——	4"–150#		IN/OUT	1/8"	
X4	1	112.5°	7'–4"	——	4"–150#		IN/OUT	1/8"	
X5	1	247.5°	5'–4"	——	4"–150#		IN/OUT	1/8"	
X6	1	247.5°	7'–4"	——	4"–150#		IN/OUT	1/8"	
X7	1	292.5°	5'–4"	——	4"–150#		IN/OUT	1/8"	
X8	1	292.5°	7'–4"	——	4"–150#		IN/OUT	1/8"	

NOTES:

1. DESIGN, FABRICATION, SURFACE FINISH, AND TESTING SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF UL 142, WEAK SEAM TO ROOF CONSTRUCTION. UL 142 STAMP IS REQUIRED.
2. BOLT HOLES OF ALL FLANGES WILL STRADDLE CENTERLINE EXCEPT THOSE FITTINGS ON THE TANK TOP WHERE THE BOLT HOLES WILL STRADDLE RADIAL CENTERLINE OR AS SHOWN DETAILED OTHERWISE. ALL BOLTS SUPPLIED SHALL BE A MINIMUM SAE GRADE 5 AND SHALL BE ZINC PLATED.
3. CIRCUMFERENTIAL AND LONGITUDINAL SHELL JOINTS TO BE DOUBLE BUTT WELDED UNLESS OTHERWISE NOTED. LONGITUDINAL SHELL WELDS SHALL BE STAGGERED.
4. ALL CARBON STEEL SURFACES ON THE EXTERIOR OF THE TANK SHALL BE PAINTED PER THE SAFETY-KLEEN STANDARD PAINT SPECIFICATION. TANK SHALL BE TRANSPORTED ON WOOD SURFACES TO MINIMIZE PAINT DAMAGE DURING SHIPPING.
5. THE DESIGN CONDITION FOR THE TANK WOULD BE AS FOLLOWS:
   DESIGN PRESSURE = 8 OZ PER SQUARE INCH (.5 PSI) PLUS FULL LIQUID HEAD, AND VACUUM 3.5 OZ/IN²
   CORROSION ALLOWANCE:
   TOP HEAD = 1/16"
   SHELL = 1/16"
   BOTTOM HEAD = 1/16"
   SUPPORT SKIRT = NONE
   SPECIFIC GRAVITY = 1.6
   WIND LOADING = ANSI A58.1 FOR 100 MPH WIND
   DESIGN TEMPERATURE = -15 TO +212 DEGREES FAHRENHEIT
   EARTHQUAKE DESIGN LOADING = UBC 88 ZONE 2
6. UPON COMPLETION AND PRIOR TO PAINTING, THE TANK SHALL BE FILLED WITH WATER & PRESSURED WITH 1 PSI AIR PRESSURE. NO VISIBLE SIGNS OF LEAKAGE ALLOWED. CHECK ALL WELDS & SEAMS WITH SOAPY WTR.
7. ALL OPENINGS TO THE TANK SHALL BE COVERED PRIOR TO SHIPPING.
8. MATERIAL SHALL BE ASTM A36-81A CARBON STEEL FOR SHELL AND TOP HEAD, A285-C OR A-36 FOR BOTTOM HEAD, A-36 FOR SKIRT.
9. GASKETS FULL FACE, SELF CENTERING AND OF U.L. APPROVED MATERIAL.
10. NOZZLES TO BE 150# WELD NECK TYPE R.F. FLANGE UNLESS INDICATED OTHERWISE RADIAL ALIGNMENT TOLERANCE IS 1 DEGREE.
11. ALL NOZZLES TO BE WITH BLIND FLANGE & BOLTING.

RCRA PART "B" PERMIT DRAWING

REFER TO SAFETY-KLEEN PAINT SPECIFICATIONS

EXHIBIT 37

DF-STD158A

NO.	DESCRIPTION	BY	CK	APPR	DATE
1	ISSUED FOR PART "B" PERMIT NOD 1997	MCO	KJM		2/7/97
0	NEW RELEASE	M.O'C	KJM		1/30/92

STANDARD 39,500 GAL. CARBON STEEL DISH BOTTOM TANK

SAFETY-KLEEN CORP.
1000 RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE 847/697-8460

SCALE	DRAWN	CHECKED	PROJ. ENG. APPR.	OPERATION APPR.	DATE
3/8" = 1'	EPC	KJM			7/9/90

LEXINGTON, S.C. RECYCLE CENTER

DRAWING NO. 92-6300B-159 REV 1

RECYCLED SOLVENT STORAGE 20,000 GAL. EACH TANKS 46,47,48. 51,52,53,56,57,58.

EMULSIONS BREAKING TANK T-14 10,000GAL.

MS SLUDGE STORAGE T-10

TO SAFETY THERM FOR PROCESSING

SLUDGE

MANIFOLD 1

TRANSFER PUMP P-2

RECYCLED SOLVENT SHIPMENTS TO SERVICE CENTER

STILL BOTTOMS STORAGE 20,000 GAL. EACH TANKS 6&11

PROCESS WATER STORAGE 10,000 GAL. TANK 13

PROCESS/DISPOSAL

USED SOLVENT SETTLING & OR STILL CHARGE 15,000 GAL. EACH 16,17,18,19, 21,22,23,24,25.

TANK BOTTOMS/ SEDIMENT 10,000 GAL., TANK 12

BULK SHIPMENTS FROM SERVICE CENTERS

TRANSFER PUMP

MANIFOLD

STILL BOTTOMS

EJECTOR

STEAM

CONDENSER

PREHEATER

VAPOR BODY

CWI

CWO

MAIN CONDENSER

250°F

FIRST STAGE EVAPORATOR

STEAM

1250°F

SECOND STAGE EVAPORATOR

STEAM

SALT TOWER DEHYDRATOR

DECANTER

MAIN CONDENSER

VAPOR BODY

LUWA THIN FILM EVAPORATOR

PREHEATER

PROCESS WATER PUMP

1200°F

2300F

BOTTOMS PUMP

RECYCLED SOLVENT PUMP

CWI =COOLING WATER IN

CWO=COLLING WATER OUT

PIPE FLOW DIAGRAM SHOWS CONCEPTUAL PROCESS FLOW, ACTUAL PROCESS FLOW MAY BE SLIGHTLY DIFFERENT.

RCRA PART B PERMIT DRAWING

EXHIBIT 38

NO.	DESCRIPTION	BY	CHK.	APPR.	DATE
REVISIONS					
1	ISSUED FOR PART 'B' PERMIT NOD 1997	RDK	KJM		010697
0	NEW RELEASE	M.O'C	KJM		1/30/92

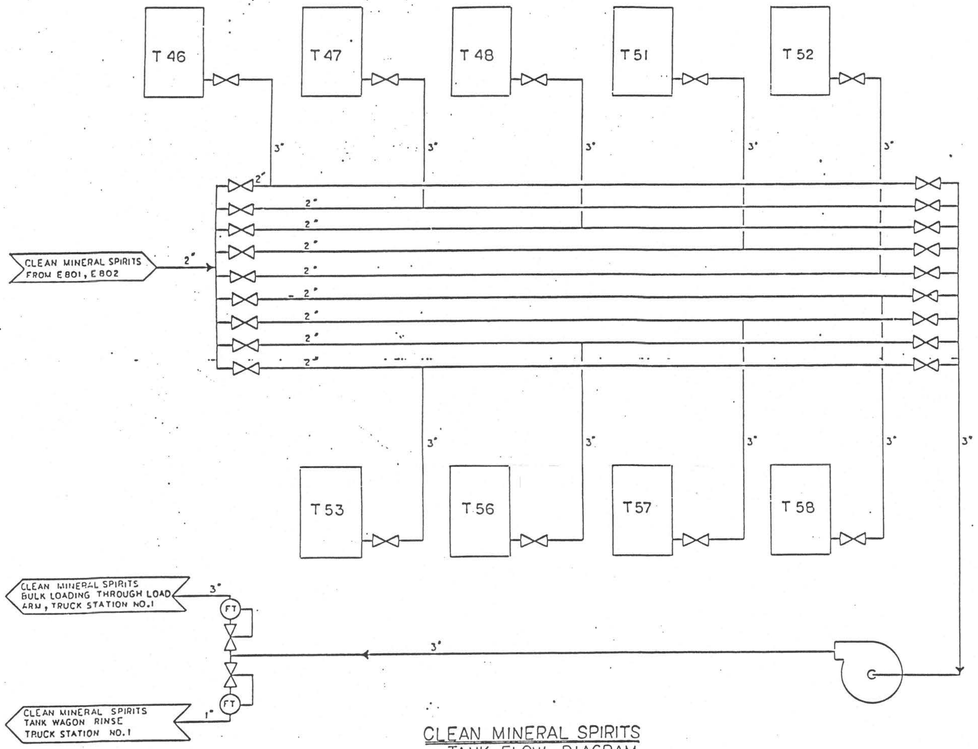
TITLE: **MINERAL SPIRITS PROCESS FLOW DIAGRAM**

SAFETY–KLEEN CORP.
1000 RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE 847/697-8460

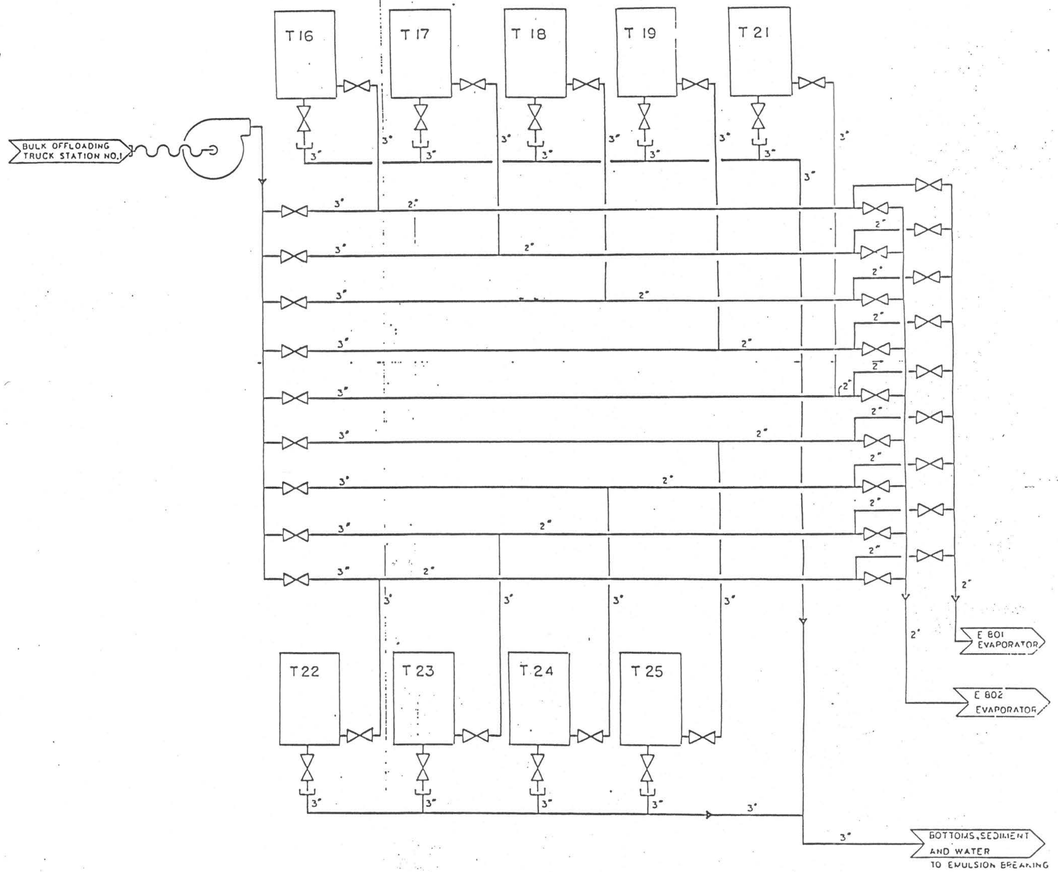
SCALE	DRAWN	CHECKED	ENGINEERING APPR	OPERATION APPR	DATE
NONE	P.C.Z.	KJM			9-13-89

LEXINGTON, S.C. RECYCLE CENTER

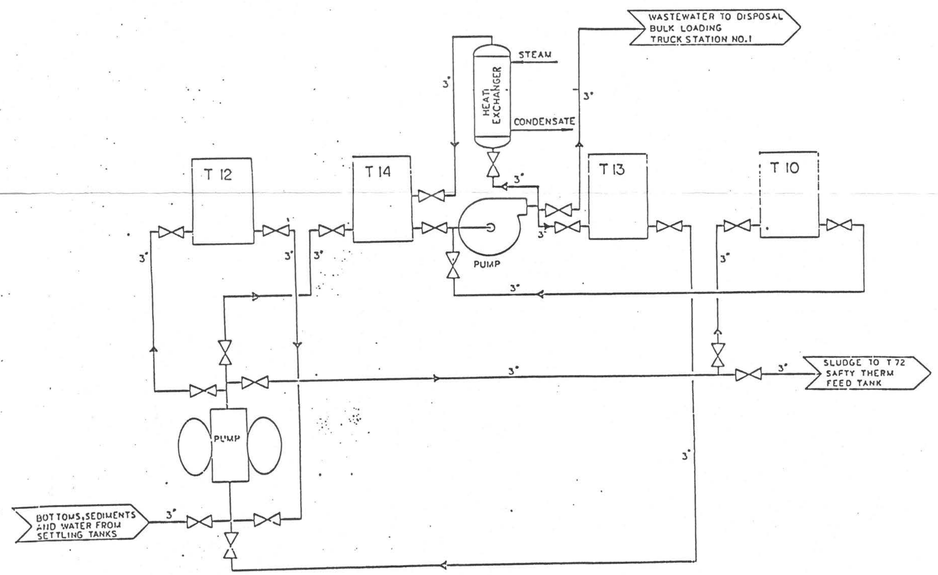
DRAWING NO: **92-6300B-110** REV: **1**



CLEAN MINERAL SPIRITS
TANK FLOW DIAGRAM



DIRTY MINERAL SPIRITS
TANK FLOW DIAGRAM



EMULSION BREAKING
TANK FLOW DIAGRAM

PIPE FLOW DIAGRAM SHOWS CONCEPTUAL PROCESS FLOW, ACTUAL PROCESS FLOW MAY BE SLIGHTLY DIFFERENT.

EXHIBIT 39

RCRA PART B
PERMIT DRAWING

NO.	DESCRIPTION	BY	DATE
1	ISSUED FOR PART "B" PERMIT NOD 1997	MCO	2/7/97
0	NEW RELEASE	M.O'C	1/30/92

REVISIONS

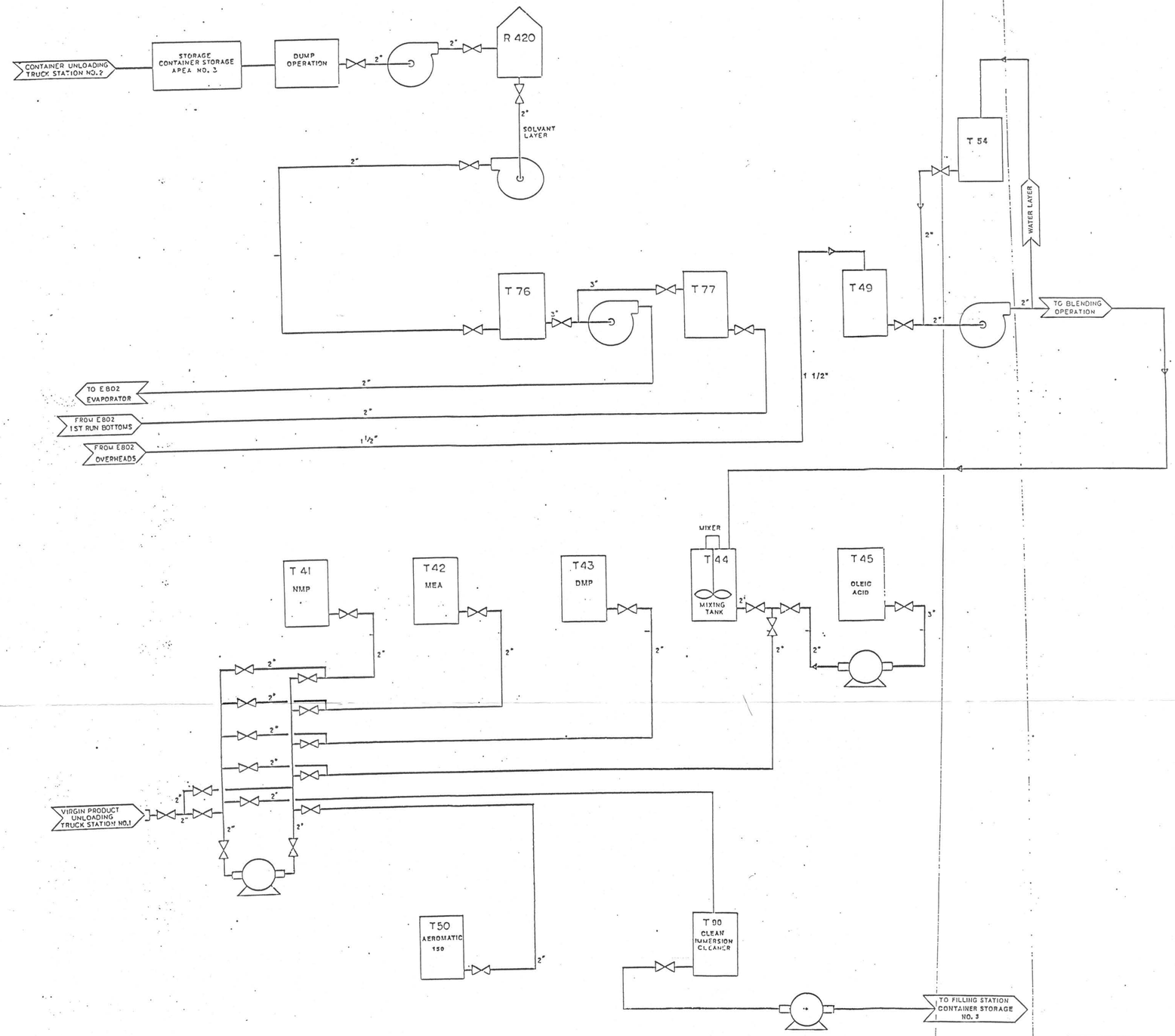
TITLE: TANK PROCESS FLOW DIAGRAM

SAFETY-KLEEN CORP.
1000 RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE 847/697-8460

PRODUCT APPR.	OPERATIONS APPR.	SCALE	DRAWN	DATE
				10-7-96

LEXINGTON, S.C. RECYCLE CENTER

DRAWING NO. 92-6300B-111 REV. J



PIPE FLOW DIAGRAM SHOWS CONCEPTUAL PROCESS FLOW, ACTUAL PROCESS FLOW MAY BE SLIGHTLY DIFFERENT.

EXHIBIT 40

RCRA PART B PERMIT DRAWING

NO.	DESCRIPTION	BY	DATE
1	ISSUED FOR PART "B" PERMIT MOD 1997	MCO	2/7/97
01	NEW RELEASE	M.O'C	1/30/92

TENTATIVE

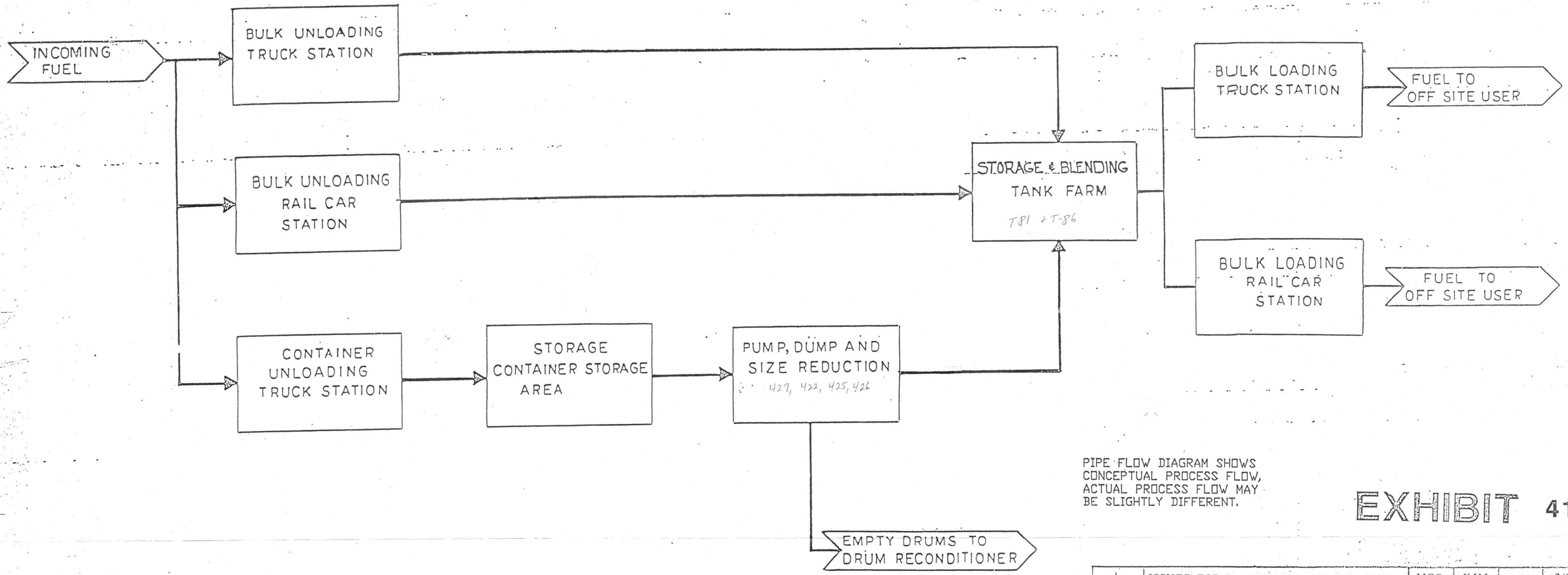
TITLE: IMMERSION CLEANER FLOW DIAGRAM

SAFETY-KLEEN CORP.
1000 RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE 847/697-8460

PROCESS APPR. | OPERATIONS APPR. | SCALE | DRAWN | DATE

LEXINGTON S.C. RECYCLE CENTER

DRAWING NO. 92-6300B-112 | REV. 1



PIPE FLOW DIAGRAM SHOWS CONCEPTUAL PROCESS FLOW, ACTUAL PROCESS FLOW MAY BE SLIGHTLY DIFFERENT.

EXHIBIT 41

RCRA PART B PERMIT DRAWING

NO.	DESCRIPTION	BY	CHKD	APPR	DATE
1	ISSUED FOR PART "B" PERMIT NOD 1997	MCO	KJM		2/7/97
0	NEW RELEASE	M.O'C	—	—	1/30/92

REVISIONS

TITLE

BLOCK FLOW DIAGRAM FOR FUELS PROGRAM

SAFETY-KLEEN CORP.

1000 RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE 847/697-8460

PROJ. ENG. APPR.	OPERATIONS APPR.	SCALE	DRAWN	DATE
			R.K.	12.1.88

LEXINGTON, S C RECYCLE CENTER	DRAWING NO. 92-6300B-113	REV. 1

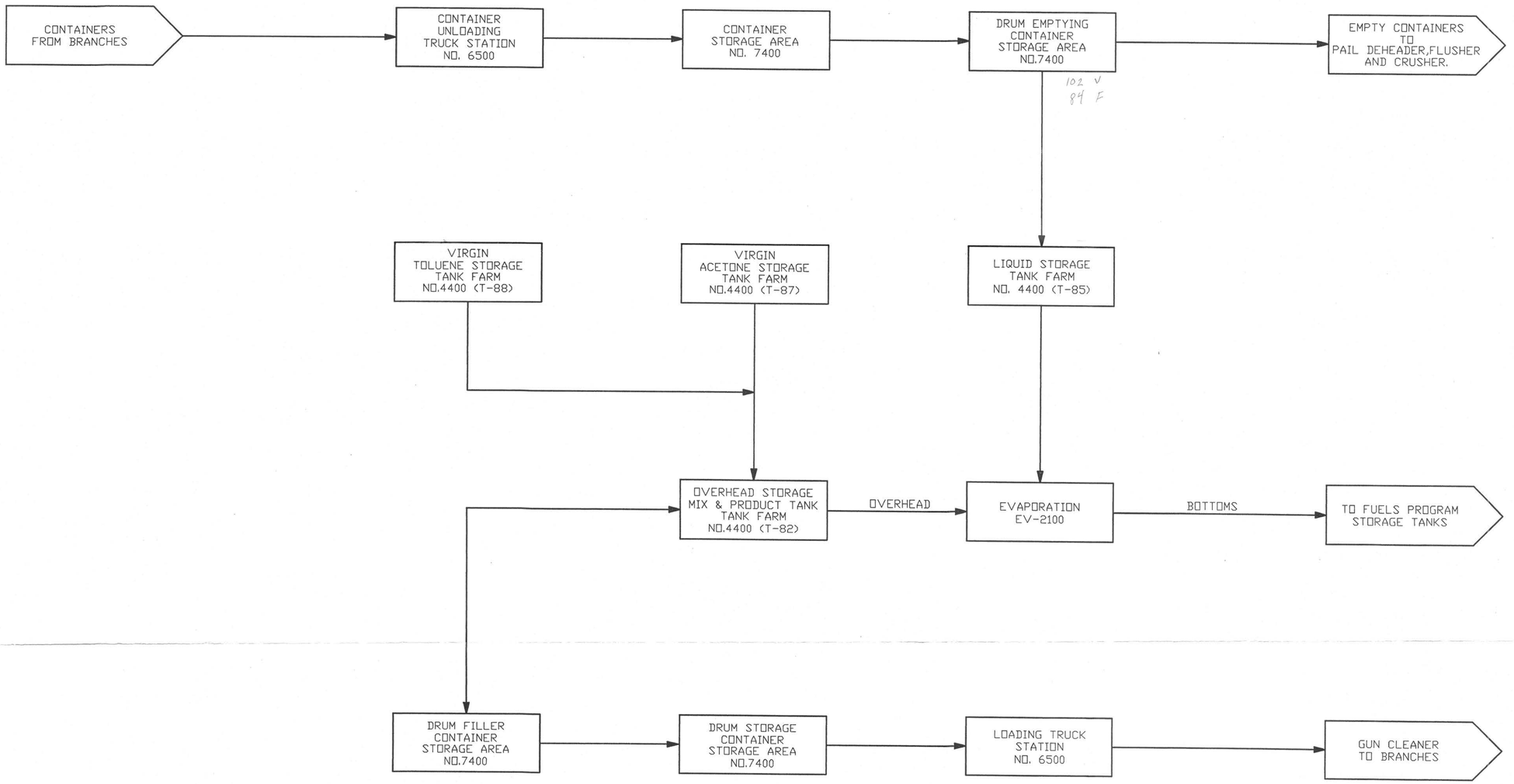


EXHIBIT 42

PIPE FLOW DIAGRAM SHOWS CONCEPTUAL PROCESS FLOW, ACTUAL PROCESS FLOW MAY BE SLIGHTLY DIFFERENT.

E92114B1

NO.	DESCRIPTION	BY / CK	PROJ.MGR APPR.	PROCESS APPR.	DATE
2	ISSUED FOR PART "B" PERMIT NOD 1997	MCO / KJM			2/7/97
1	REDRAWN & ISSUED FOR PSM 1996.	KJM			12/18/96

REVISIONS

BLOCK FLOW DIAGRAM FOR GUN CLEANER PROCESS

SAFETY-KLEEN CORP.
1000 RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE 847/697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	KJM				12/18/96

LEXINGTON,SC. RECYCLE CENTER

DRAWING NO. 92-6300B-114

REV. 2

SECTION E

GROUNDWATER MONITORING

SAFETY-KLEEN SYSTEMS, LEXINGTON RECYCLE CENTER
RCRA PERMIT APPLICATION
SECTION E. GROUNDWATER MONITORING

E-1 Exemption from Groundwater Protection Requirements

Not Applicable

E-2 Interim Status Groundwater Monitoring

Not Applicable

E-3 General Hydrogeologic Information

Regional and site-specific geologic and hydrogeologic information are summarized below. Detailed information is presented in the RCRA Facility Investigation (RFI) Report[1] based on the extensive number of soil borings and monitoring wells installed during the investigation.

The regional geology of the area consists of poorly sorted, cross-bedded, micaceous, clayey sand sediments of Cretaceous age overlying Paleozoic crystalline rocks. Locally massive lenses of kaolinitic clays are present within the sediments. Sand beds within the sediments comprise the Middendorf Aquifer. The Middendorf Aquifer is the principal source of groundwater in the southern part of Lexington County. Fractured crystalline rocks comprise the bedrock aquifer, which is a secondary source of groundwater in the southern part of the county. Wells are typically drilled in the bedrock aquifer 300 to 400 feet below land surface.

Only the shallow sandy sediments were penetrated by the borings and monitoring wells installed during the RFI. Predominantly sandy soils occur from the ground surface to a depth of about seven to nine feet. The sand is underlain over most of the Site by a stiff sandy clay approximately 10 feet in thickness that behaves as an aquitard. The aquitard is underlain by, and grades into, medium to coarse grained, clayey sand, which extends to a depth of at least 60 feet. The underlying clayey sand sometimes contains thin (one to six inches) zones of very coarse grained, clayey sand to clayey gravel and also locally contains two to four foot thick intervals of dense clay having sharp contacts with the sand.

Perched groundwater has occasionally been observed above the shallow sandy clay aquitard at the Site, but is typically a transient condition associated with precipitation events and the proximity to runoff from impervious surfaces. The interval containing perched water (i.e., perched zone) is not a persistent water-bearing unit.

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[1] Cameron-Cole, LLC. 2002. RCRA Facility Investigation Report, Safety-Kleen Lexington Recycle Center, Lexington, South Carolina. May 31, 2002 revised October 25, 2002.

The water table at the Site occurs in the clayey sand at a depth ranging from 13 to 18 feet below ground surface (bgs) in the area north of the Site to a depth of 56 to 60 feet bgs at the southern Site boundary. Groundwater flow is toward the northwest and shows relatively little change in flow direction and gradient at different times of the year. Including data collected through April 2021, the calculated hydraulic gradient ranges from 0.0018 feet per foot (ft/ft) to 0.0075 ft/ft. The gradient is typically shallower onsite to the southeast and steepens downgradient to the northwest. Water level measurements generally show a downward vertical gradient, which is consistent with this being a subdued recharge area. Hydraulic conductivity is estimated from grain size analyses and slug tests to range from approximately 1.4 to 4 feet/day and an estimated groundwater seepage velocity of 10 to 30 feet per year.

E-4 Topographic Map Requirements

A topographic map meeting the requirements of the regulations will be provided with this section if not already available in the permit application.

E-5 Contaminant Plume Description

A dissolved chlorinated compound groundwater plume in the vicinity of the Main Process Building (AOC-A) was delineated during the RFI (see Section L) that extended approximately 300 feet offsite (Figure 1). A detailed description of the plume is provided in the RFI Report[1]. This plume was defined by the occurrence of tetrachloroethene (PCE), cis-1,2-dichloroethene (cis-1,2-DCE) and trichloroethene (TCE). The source of the constituents is apparently associated with operations in the Main Process Building (Area of Concern A [AOC-A]) that involved the recycling of PCE-containing dry cleaning filters and solvents conducted between 1985 and 1991. Releases to soil beneath the Main Process Building are thought to have originated from leaking drainpipes beneath the floor and from two sumps that were identified in 1988. The drainpipes were subsequently taken out of service and abandoned in place by filling them with cement and the sumps were replaced with blind (no outlet) stainless steel sumps. In 2004, an evaluation of soil quality that included soils beneath the building (see Section E-9d) by comparison to EPA soil screening criteria indicated that removal of soil was not warranted.

In May 2002, at the time the RFI was completed, the maximum groundwater concentrations of PCE, cis-1,2-DCE, and TCE were 130 µg/L (TMW-11D), 230 µg/L (MW-2D), and 13 µg/L (MW-2D), respectively. These wells are located onsite in AOC-A. In this same timeframe, the maximum groundwater concentrations of PCE, cis-1,2-DCE, and TCE detected offsite were 50 µg/L, 20 µg/L, and non-detect, respectively (TMW-6D). The federal and state Maximum Contaminant Levels (MCLs) for drinking water for these constituents are 5 µg/L, 70 µg/L, and 5 µg/L, respectively.

A second dissolved chlorinated compound groundwater plume was identified during the RFI in the vicinity of AOC-B containing 1,1-dichloroethene (1,1-DCE) and 1,1,1-trichloroethane (1,1,1-TCA). AOC-B is located in the northeast corner of the site and is a property acquired by Safety-Kleen in 1994 that contains the Former Columbia Engineering Building. The plume near AOC-B did not extend offsite. No specific source was identified during a detailed soils investigation at AOC-B. The maximum onsite groundwater concentrations of 1,1-DCE and

1,1,1-TCA in February 2002 were 13 µg/L and 10 µg/L in GM3, respectively. The MCLs for these constituents are 7 µg/L and 200 µg/L, respectively.

The size and concentration of each groundwater plume have decreased since the RFI due to interim corrective measures that began in 2003. These effects are described in Section E-9d of the permit application under Corrective Action Program.

E-6 General Monitoring Program Requirements

E-6a Description of Wells

The monitoring network consists of 27 monitoring wells installed in the shallow unconsolidated deposits at the Site and the off-site area immediately north and downgradient of the facility. Well TMW-8D was inadvertently covered during road repair activities during February 2018. South Carolina Department of Health and Environmental Control approved the abandonment in place of well TMW-8d via letter dated March 2, 2020. All of the wells are 2-inch diameter, PVC construction with machine slotted screen with protective casing and locking caps. Well construction information is summarized in Table 1. The locations of the wells are shown on Figure 1.

E-6b Description of Sampling and Analysis Procedures

Sampling and analysis procedures are described in the Sampling and Analysis Plan that is a part of the RFI Work Plan[2].

E-6c Procedures for Establishing Background Quality

The constituents of concern in groundwater are volatile organic compounds (VOCs) that are not naturally occurring. Therefore, background groundwater quality concentrations have not been calculated for these constituents. An upgradient monitoring well (MW-1D) was monitored during the RFI to evaluate whether any of the VOCs detected in groundwater onsite may have originated from an off-site upgradient source. As presented in the RFI Report[1], no VOCs were detected in the upgradient monitoring well.

E-6d Statistical Procedures

Procedures relative to the corrective action monitoring program are described in Section E-9e.

E-7 Detection Monitoring Program

Not Applicable

E-7 Compliance Monitoring Program

Not Applicable

E-9 Corrective Action Program

A corrective action program is ongoing at the facility and has progressed through final remedy selection and implementation and is currently in performance monitoring. A summary of the RCRA Facility Investigation (RFI) and a soil and groundwater risk evaluation are provided in this section. Interim measures and an evaluation that provides the basis for selection of the interim measures as the final remedy as accepted by DHEC is summarized in Section E-9d. Information from previous agency-submitted documents is briefly summarized with references provided to the complete reports. The corrective action program and basis for final remedy selection are presented in further detail in Section L of this application. A Reference List for Sections E and L is provided in Appendix A of this application.

A RCRA Facility Investigation (RFI) was performed in two phases between 1992 and 2002 in accordance with a 1992 Phase I Work Plan[2] and a 2001 Phase II Work Plan[3]. The RFI was implemented to define the nature and extent of contamination associated with potential releases from four Solid Waste Management Units (SWMUs) and two Areas of Concern (AOC). These units, listed below, were identified for inclusion in the RFI by an August 1986 RCRA Facility Assessment (RFA)[4] and during later closure and property acquisition activities.

AOC-A, Soils Beneath the Main Building; AOC-
B, Former Columbia Engineering site;
SWMU #1, the Former Mineral Spirits Tank Area;
SWMU #13, Former Immersion Cleaner (IC) Process Area;
SWMU #14, Sanitary Septic System; and
SWMU #15, 550-gallon No. 2 Fuel Oil Tank.

A total of 150 soil borings were drilled during the RFI and over 240 soil samples were collected and analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH) and/or metals. A total of 28 monitoring wells were installed at the site and 100 groundwater samples were collected and analyzed. Geotechnical analyses were also performed on 11 different samples of soil and aquifer testing was conducted at five of the monitoring wells.

An RFI Report[5] summarizing the results of the investigation was completed in October 2002 and was approved by DHEC on November 25, 2002. The RFI identified limited soil

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[2] Geraghty & Miller, Inc. 1992. RFI Work Plan for Safety-Kleen Corporation, Lexington, South Carolina, June 1991—Amended September 1992.

[3] Cameron-Cole, LLC. 2001. Phase II RFI Work Plan, Safety-Kleen Systems, Inc., Recycle Center, Lexington, South Carolina, Revised August 31, 2001.

[4] Ebasco Services, Inc. 1986. Interim RFA Report, Safety-Kleen Corporation, Lexington, S.C., 1986.

[5] Cameron-Cole, LLC. 2002. RCRA Facility Investigation Report, Safety-Kleen Lexington Recycle Center, Lexington, South Carolina. May 31, 2002 revised October 25, 2002.

contamination. A groundwater plume was identified consisting of low to moderate concentrations of chlorinated solvents extending approximately 300 feet offsite from the area of the Main Process Building (AOC-A and SWMU #14) and loading dock. Constituents in this plume consisted of tetrachloroethene (PCE), cis-1,2-dichloroethene (cis-1,2-DCE), and trichloroethene (TCE). A smaller onsite plume of 1,1,1-trichloroethane (TCA) and related compounds were identified at AOC-B.

A risk-based evaluation of the RFI soil and groundwater quality data was completed in December 2003[6]. The evaluation was performed to determine if conditions at the site warrant corrective action based on comparison to conservative screening criteria (USEPA Region 9 Preliminary Remediation Goals (PRGs), Soil Screening Levels (SSLs), and State of South Carolina Maximum Contaminant Levels (MCLs)). The evaluation concluded that no further action was warranted for soil, but that MCLs were exceeded for some constituents in groundwater. In a letter of January 12, 2005, DHEC concurred that no further action was required for soil or groundwater at SWMUs 1, 13 and 15, and indicated that corrective action for groundwater was warranted at AOC-A, AOC-B, and SMWU #14. No specific corrective measures for soil were required at the latter areas at the time.

E-9a Characterization of Contaminated Groundwater

Section E-5 of this permit renewal application summarizes the characterization of groundwater conducted during the RFI. The RFI Report[1] submitted to DHEC in 2002 provides detailed information.

E-9b Concentration Limits

Site-specific groundwater cleanup levels have not been established. In lieu of site-specific criteria, State of South Carolina Maximum Contaminant Levels (MCLs) are considered applicable.

E-9c Alternate Concentration Limits

Alternative concentration limits have not been established for this facility. Alternate concentration limits will be incorporated as approved by SC DHEC.

E-9d Corrective Action Plan

In conjunction with the completion of the RFI, an *Interim Measures Work Plan for Remediation* dated December 4, 2002[7] was prepared describing a program of in-situ chemical oxidation

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6 Risk Based Evaluation of Soil and Groundwater Conditions, Safety-Kleen Systems, Inc., Lexington Recycle Center, Lexington, South Carolina. October 16, 2003 amended December 30, 2003.

7 Cameron-Cole 2002. Interim Measures Work Plan for Remediation, Safety-Kleen Lexington Recycle Center. October 11, 2002.

(ISCO) and monitoring to treat the offsite groundwater plume. ISCO is a remediation technology that involves the introduction of chemical oxidants into the subsurface to chemically destroy contaminants by oxidation. ISCO was selected because it has demonstrated success in remediation of sites contaminated with chlorinated solvents. The injection program was designed to reduce the concentrations of dissolved chlorinated solvents in shallow groundwater to levels below MCLs. ISCO was determined to be more cost-effective than alternatives such as air sparging coupled with soil vapor extraction (AS/SVE) that require considerable investment of capital and ongoing operations and maintenance.

Potassium permanganate was selected as the most appropriate chemical oxidant for the site because it is effective in destroying the specific chlorinated compounds present in site groundwater, because there are no other incompatible compounds present in the plume, and because it is safe and easy to handle. Potassium permanganate is a very stable compound, reacting only with organic compounds, organic carbon in soil, and reduced metals species to produce the innocuous byproducts water, chloride, carbon dioxide and manganese dioxide. The stability of permanganate allows it to persist in the subsurface for a long period of time to destroy chemical contaminants until, eventually, it is consumed through reaction with naturally- occurring materials.

A total of 20,450 pounds of potassium permanganate was injected in 126 borings in March 2003. The borings were distributed across onsite and offsite areas to facilitate dispersal of permanganate across the entire plume within three years. An additional injection of 5,280 pounds of potassium permanganate was conducted at 33 borings in July 2004 to treat the smaller onsite plume at AOC-B. Supplemental permanganate injection was conducted at 18 borings in October 2005 to enhance treatment in recalcitrant areas. The locations of the injection borings, which were plugged and abandoned immediately following injection, are shown on Figure 2.

Routine groundwater performance monitoring began following the initial permanganate injection in 2003. The planned period of performance for the potassium permanganate injection in the main plume was three years as described in the Interim Measures Work Plan. This timeframe was selected to allow for the complete dispersal of the permanganate across the plume based on the injection spacing. Performance monitoring was conducted at 19 monitoring wells in the plume and at its margins. Groundwater samples were collected from each well during a baseline sampling event and at 3, 6, 12, 18, 24, 30 and 36 months following the initial permanganate injection. Samples were analyzed for VOCs and tested for permanganate to monitor the progress of dispersal across the site.

Metals analyses were also performed during the baseline event and 36-month event. With the application of permanganate, naturally occurring metals in the soil may be oxidized to more soluble forms (e.g., hexavalent chromium) and dissolve into the aqueous phase. However, once the permanganate has reacted, oxidized metals in the subsurface are expected to be re-reduced to their insoluble forms. The metals analyses were performed to ensure that no adverse concentrations of dissolved metal species remained in groundwater at the end of the injection and monitoring program. Metals analyses for dissolved lead, copper, chromium (filtered

samples analyzed for all ionic species) and hexavalent chromium were conducted during the 36- month monitoring event for comparison to concentrations measured during the baseline event.

Interim reporting of the progress of the injection program was provided to DHEC after each sampling event. The 36-month sampling event that concluded the 3-years of planned monitoring was performed in May 2006 and monitoring continued semi-annually thereafter.

An evaluation of the results of the permanganate injection was made following the October 2006 sampling event. The results indicated that since the implementation of permanganate injection, the concentrations of target VOCs (PCE, cis-1,2-DCE and TCE) were reduced by approximately 90 percent compared to the maximum detectable concentrations of PCE, cis- 1,2-DCE and TCE during the of the RFI prior to the interim measures. All offsite concentrations of VOCs were reduced to concentrations below MCLs by April 2005 and the constituents cis-1,2-DCE and TCE have declined to below detection limits at all monitoring wells.

Based on these favorable results, Safety-Kleen prepared a document providing justification for the selection of the interim measures as the final remedy, which was submitted to DHEC in 2006[8] and subsequently revised 2007[9]. This information was prepared in lieu of a Corrective Measures Study (CMS) in consultation with DHEC, and based on USEPA guidance outlining an approach for providing latitude in accepting results-based corrective action demonstrations that meet three key performance standards: long-term protection of human health and the environment based on reasonably-anticipated land uses; achieving media cleanup objectives; and remediation of the source of releases. In a December 12, 2008 letter, DHEC concurred that a CMS was not necessary and accepted the final remedy selection. The corrective action groundwater monitoring program is presented in Section E-9e.

The multiple potassium permanganate injections, including the most recent in August 2017 has contributed to the reduction of VOC mass in the targeted areas of injection and immediately downgradient. Prior to the most recent injection in August 2017, the highest concentration of PCE in well TMW-11D was reported as 53 ug/L in October 2016. Post injection, the PCE concentration in well TMW-11D has steadily declined to the current concentration of 17 ug/L observed in April 2021 (Figure 3). Well MW-2D has shown similar results. Prior to the most recent potassium permanganate injection (August 2017) concentrations of PCE in this well were as high as 91 ug/L (October 2016) with the presence of daughter product cis-1,2-DCE also detected at lower concentrations. Following the 2017 injection there have been no cis-1,2-DCE concentrations detected in all sampling events and the concentrations of PCE have decreased to the current concentration of 14 ug/L observed during the most recent event in April 2021.

The low PCE concentrations observed in wells TMW-11D and MW-2D are evidence that the permanganate has successfully achieved mass reduction of VOCs in the targeted area.

E-9e Groundwater Monitoring Program

Semi-annual performance monitoring of selected existing monitoring wells will be performed to monitor the continuing remediation of the groundwater plume due to permanganate injection. Wells that have had an exceedance of MCLs within the last three years or have less than four years of semi-annual monitoring data will continue to be monitored semi-annually. Sampling events will be conducted in April and October of each year. Existing monitoring wells with three years or more of semi-annual monitoring results without an

[8] Safety-Kleen Systems, Inc. 2006. Letter dated December 19, 2006 from Robert Schoepke, Safety- Kleen Systems, Inc., to Crystal Rippy, South Carolina Department of Environmental Control regarding: Final Groundwater Remedy Selection, Safety-Kleen Systems, Inc. Recycle Center, Lexington, South Carolina, SCD 077 995 488.

[9] Safety-Kleen Systems, Inc. 2007. Letter dated July 6, 2007 from Robert Schoepke, Safety-Kleen Systems, Inc., to Rachel Donica, South Carolina Department of Environmental Control regarding: Final Groundwater Remedy Selection – Revised, Safety-Kleen Systems, Inc. Recycle Center, Lexington, South Carolina, SCD 077 995 488.

exceedance of MCLs will no longer be monitored. The corrective action groundwater monitoring program is further described below.

E-9e(1) Description of Monitoring System

The corrective action monitoring network currently consists of following existing monitoring wells.

Semi-Annual Sampling

MW-2D

TMW-11D

As corrective action progressed, monitoring was discontinued at wells for which both VOCs and chromium remain below the Concentration Limits or Alternate Concentration Limits as approved by DHEC (see Sections E-9b and E-9c) for a period three years. Thus, the number of wells in the corrective action monitoring network has declined over time as a function of the performance of corrective action (i.e, to the extent the concentration limit criteria are satisfied). The locations of these wells are shown on Figure 2. Well construction information is provided in Table 1.

The following table summarizes the corrective action monitoring network and the timeline that wells were removed from the semi-annual sampling schedule based on results of analytical testing.

Semi-Annual Sampling

Well	Chromium	VOCs
TMW-3D	Discontinued after October 2017 event	Discontinued after October 2017 event
TMW-4D	Sampling Continues	Discontinued after October 2014 event
TMW-11D	Sampling Continues	Sampling Continues
TMW-15D	Discontinued after April 2012 event	Discontinued after October 2014 event
TMW-16D	Discontinued after April 2012 event	Discontinued after October 2015 event
MW-2D	Sampling Continues	Sampling Continues
GM-1	Discontinued after April 2012 event	Discontinued after October 2017 event
GM-2	Discontinued after October 2019 event	Discontinued after October 2019 event
GM-3	Discontinued after April 2012 event	Sampling Continues

E-9e (2) Description of Sampling and Analysis Procedures

Groundwater sampling and laboratory analysis procedures will follow those for the performance monitoring conducted to date. These are procedures used during the RFI as presented in the Sampling

and Analysis Plan that is a part of the RFI Work Plan[2].

All samples will be analyzed for VOCs by EPA Method 8260B. Prior to sample collection, permanganate concentrations will be measured at each well using a portable spectrophotometer (HACH DREL 2000 or similar) or permanganate concentrations will be visually estimated by comparison to permanganate mixture color charts. Groundwater samples with 150 mg/L permanganate or greater will not be analyzed for VOCs because the presence of

[10] Safety-Kleen Systems, Inc. 2009. Letter dated June 5, 2009 from Robert Schoepke, Safety-Kleen Systems, Inc., to Lynne Garner, South Carolina Department of Environmental Control regarding: Performance Monitoring Results – April 2009, Safety-Kleen Systems, Inc. Recycle Center, Lexington, South Carolina.

permanganate in the groundwater should destroy any chlorinated compound VOCs present in the groundwater plume. Samples containing less than 150 milligrams per liter (mg/L) potassium permanganate will be analyzed for VOCs to provide confirmation of VOC removal at the lower permanganate concentrations. Samples for dissolved chromium analysis will be field filtered at the point of collection using a 0.45 micron disposal filter. Field filtering will be noted on the COC form with "FF". A description of the filtering will be included in the monitoring reports. No other samples for analysis will be filtered. However, if samples are suspected of containing permanganate, they are also field filtered prior to colorimetric screening. These aliquots are not submitted for laboratory analysis.

Samples will also be collected for hexavalent and total chromium analysis in wells that have not been below the MCL for the last three years (wells MW-2D, , and TMW- 11D). However, groundwater samples with 75 mg/L permanganate or greater will not be analyzed for hexavalent chromium until permanganate concentrations have dropped below this level because hexavalent chromium analysis is performed using a colorimetric method and permanganate causes interference that can yield inaccurate results. As noted in Section E-9d, the chromium analyses will be performed because after the application of permanganate, naturally occurring metals in the soil may be oxidized to more soluble forms (e.g., hexavalent chromium) and dissolve into the aqueous phase. Once permanganate has reacted, oxidized metals in the subsurface are expected to re-reduce to their insoluble forms. The purpose of the metals analyses is to test the extent to which metals oxidation may have occurred and ensure that no adverse concentrations of dissolved metal species remain in groundwater at the end of the monitoring program.

E-9e (3) Monitoring Data and Statistical Analysis Procedures

Monitoring data from each sampling event will be reviewed to monitor the progress of corrective action. The results will be reported semi-annually (see Section E-9e(4)). Concentrations of target VOCs have decreased as previously described in Section E-9d since permanganate injection was initiated in March 2003. As described in Section E- 9e(1), the number of wells in the monitoring network will be decreased in tandem with a reduction in VOC concentration to levels below the MCL. Specifically, monitoring will be discontinued at monitoring wells for which both VOCs and chromium remain below the Concentration Limits or Alternate Concentration Limits as approved by DHEC for a period three years. In this way, the number of monitoring wells will progressively decrease as the plume contracts. Corrective action monitoring will be concluded once this criterion is met at all wells and DHEC has deemed the corrective action remedy complete. This includes monitoring until permanganate concentrations have dropped such that all wells are sampled for VOCs and chromium sampling and VOC and chromium concentrations remain below the Concentration Limits or Alternate Concentration Limits as approved by DHEC for three years.

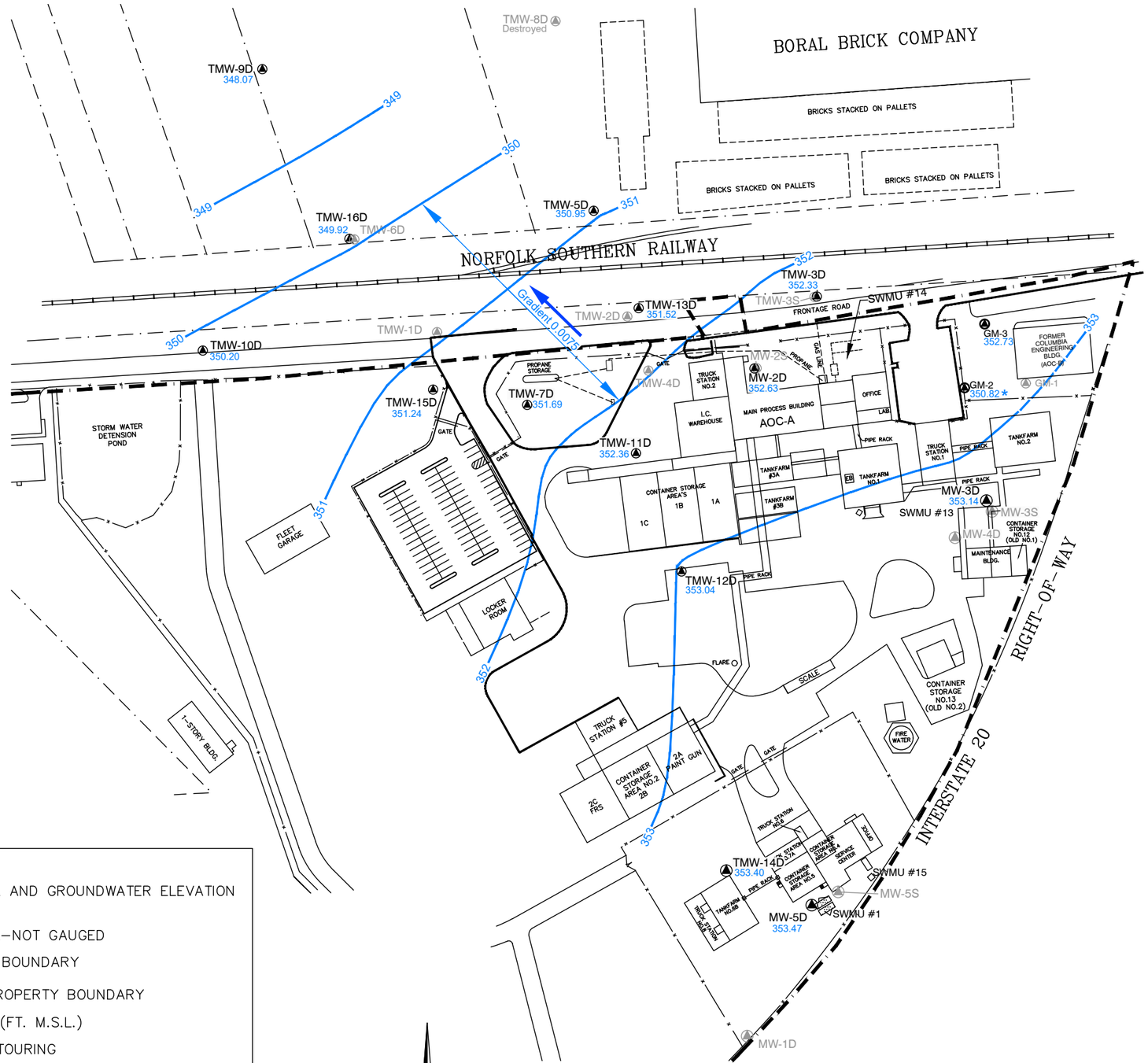
Should an increasing trend in VOC concentrations be observed, or if the VOCs do not decline below concentration limits after a period of three years since the most recent upgradient permanganate injection, Safety-Kleen will notify DHEC and propose an appropriate response that may include the additional injection of permanganate. The trend of concentration data at monitoring wells will be identified through a linear trend analysis of analytical results since the last permanganate injection upgradient of the well. Non-detections will be plotted at one-half the detection limit. A linear trend analysis is used as a straightforward tool to graphically evaluate the data and identify the direction of the trend in concentrations after three years since the last permanganate injection.

Upon approval of DHEC and completion of the corrective action remedy or in the interim after the three year performance criteria has been met for individual wells, the monitoring wells will be abandoned.

E-9e (4) Reporting Requirements

Monitoring reports will be prepared and submitted to DHEC semi-annually within two months of receipt of final analytical results from the laboratory. Each semi-annual report will include text that summarizes the sampling event, a tabular summary of the analytical results, and a map showing the location of the wells. Any wells proposed for discontinued monitoring and any upward trend in the concentration data based on the criteria described in Sections E-9e (1) and E-9e (3) will also be presented in the report.

Figures



LEGEND

MW-3D 351.20	EXISTING MONITORING WELL AND GROUNDWATER ELEVATION (FT. M.S.L.)
MW-1D	EXISTING MONITORING WELL–NOT GAUGED
	SAFETY–KLEEN PROPERTY BOUNDARY
	APPROXIMATE OFF–SITE PROPERTY BOUNDARY
350.04	GROUNDWATER ELEVATION (FT. M.S.L.)
*	DATA NOT USED FOR CONTOURING
350	GROUNDWATER ELEVATION CONTOUR (FT. M.S.L.)
	INFERRED GROUNDWATER ELEVATION CONTOUR (FT. M.S.L.)
	APPROXIMATE DIRECTION OF GROUNDWATER FLOW

Note:
Shallow monitoring wells ("S" wells) set in perched aquifer are not contoured.

N

0 160
FEET

	BY	DATE
DRAWN	JGM	06/15/21
CHECKED		
REVISED		
APPROVED		
APPROVED		
APPROVED		

Cameron-Cole
5777 CENTRAL AVENUE, SUITE 200
BOULDER, COLORADO 80301
PHONE: (303) 938-5500
http://www.cameron-cole.com

FIGURE 1

POTENTIOMETRIC SURFACE MAP
APRIL 29, 2021
SAFETY-KLEEN RECYCLE CENTER - LEXINGTON, SC

SCALE: 1" = 160'

PROJECT: 1201

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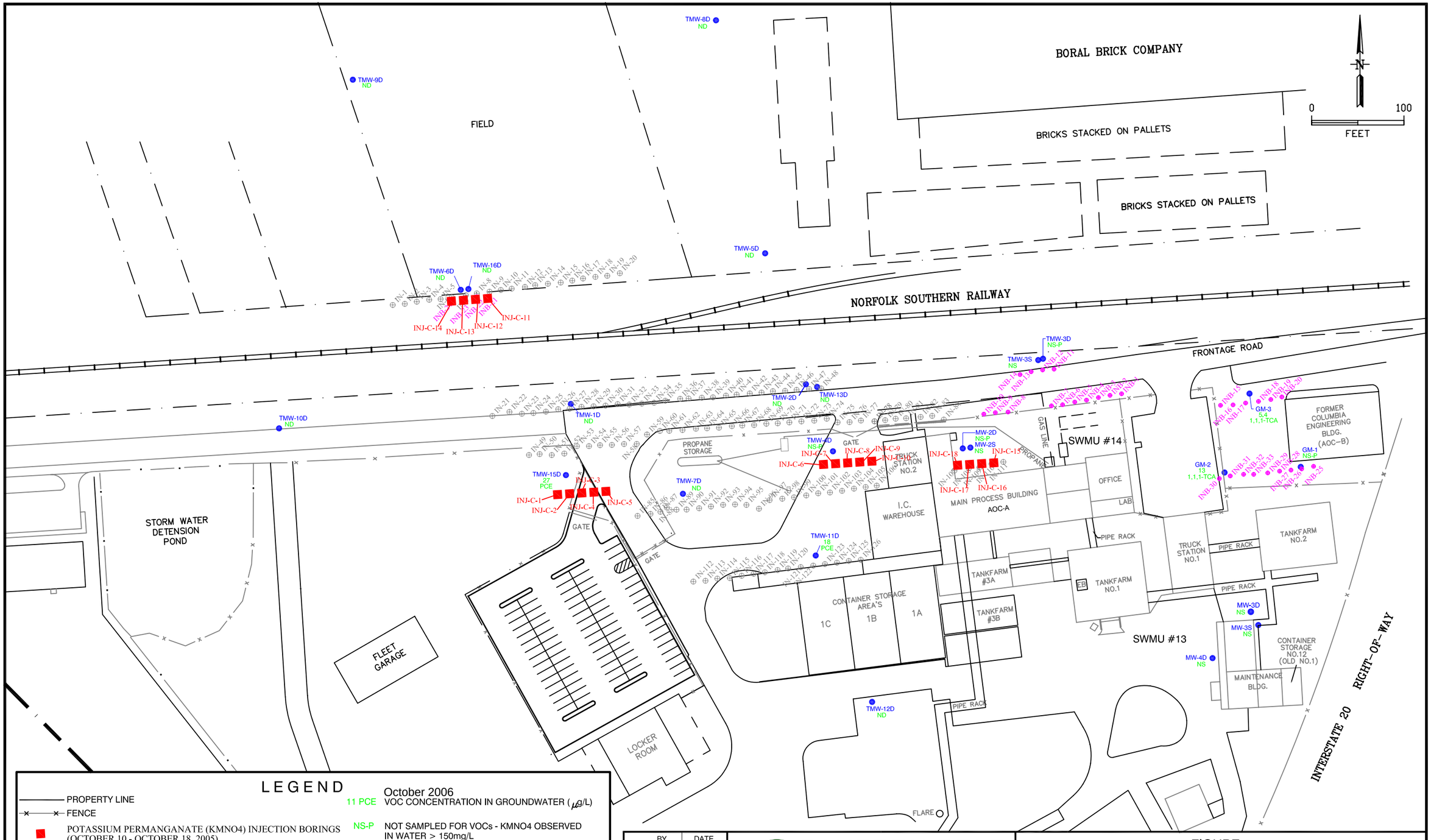

LEGEND

- PROPERTY LINE
- FENCE
- POTASSIUM PERMANGANATE (KMNO4) INJECTION BORINGS (OCTOBER 10 - OCTOBER 18, 2005)
- EXISTING MONITORING WELL
- INB-1 POTASSIUM PERMANGANATE (KMNO4) INJECTION BORINGS (JULY 15 - JULY 22, 2004)
- IN-51 POTASSIUM PERMANGANATE (KMNO4) INJECTION BORINGS (MARCH 11 - APRIL 25, 2003)

October 2006

- 11 PCE — VOC CONCENTRATION IN GROUNDWATER (µg/L)
- NS-P — NOT SAMPLED FOR VOCs - KMNO4 OBSERVED IN WATER > 150mg/L
- NS — NOT SAMPLED

NOTES

PCE = TETRACHLOROETHENE,
cis-1,2-DCE = cis-1,2-DICHLOROETHENE,
1,1,1-TCA = 1,1,1-TRICHLOROETHANE,
ND = NOT DETECT

	BY	DATE
DRAWN	WRB	12/20/06
CHECKED		
APPROVED		
APPROVED		
APPROVED		

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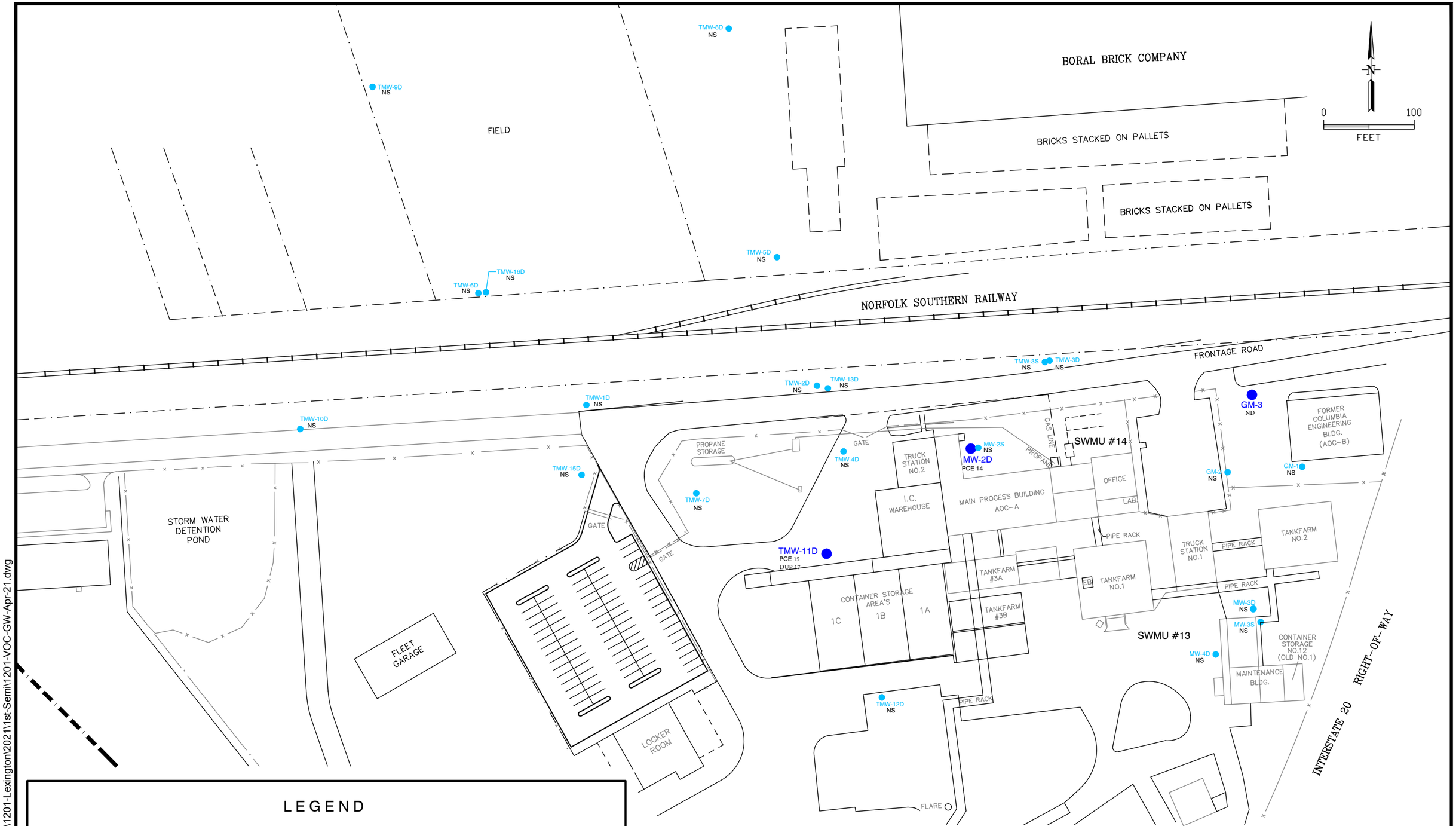
FIGURE 2

POST KMN04 INJECTION MONITORING
OCTOBER 2006
SAFETY-KLEEN RECYCLE CENTER - LEXINGTON, SC

SCALE: 1" = 100'

DWG. NO.: 1201-97



LEGEND

- PROPERTY LINE
- FENCE
- GROUNDWATER MONITORING WELL - SAMPLED
- GROUNDWATER MONITORING WELL - NOT SAMPLED

10	VOC CONCENTRATION IN GROUNDWATER (µg/L)
NS	NOT SAMPLED
ND	NO DETECTION ABOVE LABORATORY REPORTING LIMITS
PCE	TETRACHLOROETHENE
1,1-DCE	1,1-DICHLOROETHENE

	BY	DATE
DRAWN	JGM	06/15/21
CHECKED		
REVISED		
APPROVED		
APPROVED		
APPROVED		

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http://www.cameron-cole.com

FIGURE 3

VOC CONCENTRATIONS IN GROUNDWATER
APRIL 30, 2021
SAFETY-KLEEN RECYCLE CENTER - LEXINGTON, SC

SCALE: 1" = 100'

PROJECT: 1201

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Table I

Table 1
Monitoring Well Construction Summary
Safety-Kleen Recycle Center, Lexington, South Carolina

Monitoring Well Number	Aquifer	Top of Casing (ft,msl)	Surface Elevation (ft,msl)	Well Depth (ft,bgs)	Top of Screen (ft, bgs)	Screen Length	State Planar Coordinates		Date Installed
							Northing	Easting	
MW-1D	Water Table	407.55	404.54	62	52	10	777502.359	1939518.989	12/22/1993
MW-2S	Perched	379.89	380.19	10	5	5	778402.429	1939527.981	12/22/1993
MW-2D	Water Table	380.11	380.34	40	30	10	778401.981	1939525.05	12/22/1993
MW-3S	Perched	393.71	391.21	7	2	5	778210.102	1939843.889	12/22/1993
MW-3D	Water Table	392.98	390.29	47	35	10	778224.664	1939836.334	12/22/1993
MW-4D	Water Table	392.6	395.91	47	35	10	778174.92	1939794.478	12/22/1993
MW-5S	Perched	405.16	405.48	12	7	5	777698.851	1939636.792	12/22/1993
MW-5D	Water Table	404.32	404.94	60	50	10	777681.423	1939604.659	12/22/1993
GM-1	Water Table	385.39	NA	38.9	NA	NA	778382.018	1939889.147	NA
GM-2	Water Table	382.98	NA	34.1	NA	NA	778375.962	1939807.068	7/30/1992
GM-3	Water Table	381.05	NA	37.9	NA	NA	778461.691	1939834.003	7/30/1992
TMW-1D	Water Table	376.12	373.33	37.8	20	15	778450.744	1939099.179	1/11/1999
TMW-2D	Water Table	377.23	374.31	37.9	20	15	778471.655	1939354.502	1/7/1999
TMW-3D	Water Table	379.87	377.12	33.1	20	10	778498.524	1939608.842	1/11/1999
TMW-3S	Water Table	379.85	377.13	12.9	5	5	778497.973	1939605.699	1/11/1999
TMW-4D	Water Table	376.2	376.45	36	20	15	778399.104	1939382.762	2/24/1999
TMW-5D	Water Table	365.02	365.22	19.4	9	10	778613.595	1939309.303	2/25/1999
TMW-6D	Water Table	369.95	367.42	30.9	20	10	778575.986	1938981.639	2/24/1999
TMW-7D	Water Table	378.06	375.36	33.6	20	15	778353.069	1939220.189	2/24/1999
TMW-8D	Water Table	359.15	359.35	21	11	10	778868.016	1939258.172	3/31/1999
TMW-9D	Water Table	360.74	361.33	18.3	10	10	778803.645	1938864.758	3/30/1999
TMW-10D	Water Table	371.77	376.19	37.9	20	15	778450.714	1939099.043	3/31/1999
TMW-11D	Water Table	378.46	378.63	38	23	15	778288.195	1939366.176	3/30/1999
TMW-12D	Water Table	388.93	389.12	43.5	28	15	778129.608	1939427.248	3/30/1999
TMW-13D	Top of Clay	377.15	347.96	63.9	48	15	778470.848	1939367.614	10/25/2001
TMW-14D	Water Table	401.58	401.73	60.8	45.5	15	777728.444	1939505.888	12/12/2001
TMW-15D	Water Table	375.17	375.50	38	23	15	778375.300	1939095.510	12/18/2002
TMW-16D	Top of Clay	371.08	367.13	51	41	10	778576.856	1938989.954	12/19/2002

NOTES:

Highlighted wells are Corrective Action Monitoring Network wells

ft,bgs = feet, below ground surface

ft,msl = feet, mean sea level

NA = Not available

10/8/2009

APPENDIX A

References

SECTION E and L. REFERENCES

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Safety-Kleen Systems, Inc. 2007. Letter dated July 6, 2007 from Robert Schoepke, Safety-Kleen Systems, Inc., to Rachel Donica, South Carolina Department of Environmental Control regarding: Final Groundwater Remedy Selection – Revised, Safety-Kleen Systems, Inc. Recycle Center, Lexington, South Carolina, SCD 077 995 488.

Section F

Table of Contents

F PROCEDURES TO PREVENT HAZARDS

The information provided in this section is submitted in accordance with requirements of R.61-79.270.14, to demonstrate compliance with R.61-79.264.14-15, 17, 174 and 194.

This section describes the steps taken and procedures implemented by the facility to adequately secure the site, prevent hazards and properly inspect the facility frequently enough to identify problems in time to correct them before they have an opportunity to harm human health or the environment.

F-1 SECURITY

F-1a SECURITY PROCEDURES AND EQUIPMENT

Security procedures are discussed in the following sections.

F-1 a (1)24-Hour Surveillance System

In lieu of the 24-hour surveillance system a barrier and means to control entry are provided as discussed in Section F-1 a (2).

F-1 a (2) Barrier and Means to Control Entry

A description of the barrier and means to control entry is provided below.

F-1 a (2)(a) Barrier

The facility is completely surrounded by a six-foot-high chain link fence topped with three strands of barbed wire.

F-1 a (2)(b) Means to Control Entry

Entry is controlled by gates. All gates are locked when the facility is not in operation and at times during operating hours when personnel would not normally be observing the gate (e.g., night time shifts). Personnel, under the direction of the Facility Manager, are responsible for maintaining security. Security duties assigned to personnel include controlling gate access

any time the facility gate is unlocked, escorting facility visitors, overseeing on-site contractors, and monitoring the facility grounds and boundaries for security breaches. Since the facility is manned during all operating hours, this combined with the controlled gates, adequately controls entry to the facility.

F-1 a (3) Warning Signs

In addition to the security fence, warning signs with the recommended legend, "DANGER - UNAUTHORIZED PERSONNEL KEEP OUT", are posted at each entrance to the facility and at sufficient other locations so as to be legibly seen from any approach at a distance of at least 25 feet. These signs will adequately warn unknowing persons that unauthorized entry is prohibited and can be dangerous.

F-1 b WAIVER

A waiver of inspection requirements is not requested.

F-2 INSPECTION SCHEDULE

An inspection plan is provided in Attachment F-1.

F-2 a GENERAL INSPECTION REQUIREMENTS

The regulations require the owner or operator to inspect the facility for malfunctions and deterioration, operator errors, and discharges which may cause - or may lead to - (1) release of hazardous waste to the environment or (2) a threat to human health. The following describes the inspections that Safety-Kleen conducts of the facility and its hazardous waste management units. These inspections are designed to monitor the condition of equipment, safety and emergency devices and security measures.

The facility manager at the recycle center is responsible for making sure the inspections are carried out and documented in accordance with the requirements described herein and according to the schedule outlined. The facility manager may designate other persons to conduct the inspection. Similarly, the branch (i.e., service center) manager, the

distribution center manager, or their designee is responsible for the inspections in their respective areas of the facility.

Inspections are conducted using the Electronic Inspection System that is part of the Clean Harbors Win Web Waste Management System. Electronic forms have been developed for use in conducting inspections using tablet, laptop or desktop computers. The electronic forms are maintained in the Win Web system central server and are available for review. The electronic forms are designed to describe the units to be inspected and important items to look for. In addition, space is provided for special observations and comments. Examples of the type of electronic forms used for the Lexington Recycle Center are contained in Attachment F-2. The specific forms will be revised and updated periodically to ensure compliance with all applicable regulations for all regulated units and to allow care of inspection and operability. When/if the format of the inspection form is changed, the content will not be changed. Minor changes such as font or page layout may be made, without the necessity of a permit modification. For those times that the electronic inspection system is unavailable due to system error, power failure or other unforeseen circumstance, the facility will utilize paper inspection forms which will be maintained in the facility operating record.

In order to minimize the potential for malfunctions, operating errors, deterioration and discharges which may lead to releases of hazardous wastes to the environment or cause a threat to human health, the regulations require the development an implementation of a written inspection schedule. An inspection schedule for all monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment at the facility is provided in Tables F1 through F5. The frequency of inspection of each item is based on the rate of possible deterioration of the equipment and the probability of an environmental or human health incident if a problem is not detected between inspections.

All inspection reports are kept in file for at least three years after the inspection. The units or areas inspected at the facility include:

(a) Monitoring Equipment;

(b) Emergency and Safety Equipment;

(c) Security Devices;

(d) Operating and Structural Equipment;

(e) Communications and Alarm Systems;

(f) Waste Storage, Mixing, Loading and Unloading Areas;

F-2 a (1) Types of Problems

Inspection of Emergency Response Equipment

Once each month, usually at the beginning of the month, the following should be inspected:

(a) Emergency Shower/Eye Wash Stations - Inspect for unobstructed access and operation; if eye wash squeeze bottles are provided, be sure bottles are full; check for location sign.

(b) Spill Response Stations - Inspect for proper equipment and supplies; check for low supply of absorbent or lack of equipment (hand tools and personal protective equipment); check for unobstructed access to station.

(c) Fire Extinguishers - Inspect for unobstructed access; check for expired inspection tags or inadequate charge; check for presence and legibility of extinguisher location signs.

(d) Plant Water Supply - test fire hoses and connections.

(e) Fire Department Pull Stations - Check for operability and accessibility.

Inspection of Safety Equipment

Once each month, the following will be inspected:

(a) Personal Protective Equipment - Check for adequate supply of protective glasses, hardhats, coated aprons, face shields, coated gloves and respirators.

(b) Communications - test intercom system for operability;

(c) Observe external phone system for any problems, abnormal line noise or broken components.

Security Devices

Once each week, the facility's security is inspected as follows:

(a) Perimeter Fence - Inspect fence for integrity; check for excessive deterioration, damage or corrosion, gaps under fence and broken tie wires.

(b) Gates and Locks - Inspect for operability; observe damage to mechanism or fabric, corrosion of locks or sticking locks.

Once each month, the facility lighting will be inspected as follows:

(c) Exterior yard lighting - Inspect for damage to fixture, support or mounting; observe failure to light, broken or missing lamps.

(d) Interior emergency lighting - inspect for damage to unit, support or mounting; observe broken or missing lamps and test for operation.

Inspection of Return and Fill Station

Once each day, inspect the solvent dispensing equipment for:

(a) Solvent Dispensing Equipment - Inspect hose, connections, and valves for damage (such as cracks or leaks) and proper functioning. Inspect pumps, pipes and fittings for damage and proper functioning.

Once each week inspect the return and fill station for:

(b) Wet Dumpsters - Inspect for leaks and sediment.

(c) Dry Dumpster - Inspect to insure that no liquids are being placed in it.

Communication and alarm systems, fire protection and decontamination equipment

Once each month, the following should be inspected:

(a) Communications - test paging/intercom system for operability; observe external phone system for any problems, abnormal line noise or broken components.

(b) Fire Department Pull Stations - Check for operability and accessibility.

Waste storage, loading, and unloading areas

Once each day inspect the loading/unloading areas for:

(a) Pumps, Piping and Ancillary Equipment - Inspect for leaking or deteriorated pumps, pipes, valves, fittings or connections.

(b) Secondary Containment - Inspect for signs of spills or leaks; check for excess liquid in sumps.

Once each week, inspect the loading/unloading areas for:

(c) Secondary Containment - Cracks or damage to base, curbs, or sumps.

(d) Rail Lines - Inspect for damage and deterioration.

F-2 a (2) Frequency of Inspection

The frequency of Inspection is addressed above in Section F-2a(l) and provided in Tables F1 through F5.

F-2 b SPECIFIC PROCESS INSPECTION EQUIREMENTS

F-2 b (1) Container Inspection

Once each day, inspect the container storage area as follows:

(a) Containers - Inspect for any leaking containers; missing bungs, tops, or labels, unstable stacked inadequate aisle space.

(b) Secondary Containment - Inspect containment area evidence of leaks; check for excess liquid in sumps.

Once each week, inspect the container storage area as follows:

(c) Secondary Containment - Inspect base and curbs for cracks, spalling or deterioration.

F-2 b (2) Tank System Inspection

Once each day, inspect the tank storage areas for the following:

(a) Tanks - Inspect tanks and ancillary equipment for signs of leaks, spills or excessive corrosion. Tanks used for hazardous waste storage at the Lexington Recycle Center are atmospheric tanks and they are not equipped with pressure or temperature gauges. Each tank is equipped with a level gauge to indicate the liquid level in the tank. Level indicators are inspected daily to ensure good working order. Tanks levels per gauge or dipstick are recorded and observations made of any signs of leak or excess corrosion of tank. Sudden deviations in material volumes will be investigated and their causes determined. The solvent must not exceed 95% of the tank volume at any time.

(b) Inspect containment area for spills or evidence of leaks; check for excess liquid in sumps; check for accumulated precipitation.

(c) Secondary Containment Dike - Inspect for cracks or deterioration.

(d) Secondary Containment Base and Sump Areas - Inspect for cracks, erosion or concrete spalling; observe liquid in sumps or evidence of stains or residuals.

(e) Tanks - Inspect tank shell, flanges, connections and appurtenant piping and valves for corrosion or leaks; check tank foundation or structural supports for excess corrosion, deterioration or damage. Inspect each tank to detect visual cracks and pitting. If necessary, repairs will be initiated immediately.

In addition to the above external inspections, the tanks will undergo STI tank assessment using a qualified inspector. A testing report will be prepared and submitted by the testing contractor. This report will indicate if any excessive corrosion was detected and

whether tank repair or tank replacement will remedy the situation.

F-2 c REMEDIAL ACTION

When the inspections are done, the electronic inspection forms are available to the facility manager or his designee. The facility manager (or designee) will review the inspection reports and note what problems exist or if observations warrant any modifications. The electronic inspection system will automatically create an electronic work ticket that indicates what the issue or problem is that needs corrective action. The facility manager is then responsible for ensuring that the necessary corrections, repairs or modifications are made. When the corrective work is complete the work ticket will be closed out and the system will indicate that the issue or problem has been resolved. The closed work ticket will indicate the employee who has completed the corrective action and the date and time it was completed.

If a leak is detected during an inspection or at any other time, the Facility Manager will be notified immediately and the leak/spill will be cleaned up within 24 hours of the incident. Any remedial activities required will be performed in a timely manner before the affected system(s) is placed back into service. If applicable, the Contingency Plan will be implemented.

F-2 d INSPECTION LOG

Facility personnel who perform facility inspections are trained in inspection and auditing procedures, are knowledgeable with processing and treatment equipment, and are provided with sufficient time during the operating day to perform these activities. The electronic inspection forms are available to the Facility Manager (or designee) immediately after completion of the inspection(s) for review. If a condition exists which calls for immediate corrective action, the inspector is required to notify the Facility Manager or designated person of the condition.

Examples of the electronic inspection logs are provided as Attachments F-2. These or similar logs may be used in conducting the inspections and recording all observations, repairs and remedial actions at the facility. The electronic logs and associated work tickets will be kept for a minimum of three years following the respective inspections. At a minimum, the electronic inspection system will document the following information:

- Date and time of inspection.
- Name of inspector.
- Notation of observation made.
- Date and nature of any repairs or remedial actions.

Any malfunction, operating error, deterioration or discharge discovered during an inspection and noted on an inspection log will be corrected on a schedule that prevents the problem from becoming an environmental or health hazard. Immediate action will be taken when such a hazard is imminent or occurring.

F-3 WAIVER OF PREPAREDNESS AND PREVENTION REQUIREMENTS

A waiver of preparedness and prevention requirements is not requested.

F-3 a EQUIPMENT REQUIREMENTS

F-3 a (1) Internal Communications

The Lexington Recycle Center internal communications system consists of telephones, portable two-way radios and a paging system for internal communications. All facility personnel are authorized to use the telephones. The telephone system is utilized to activate pager speakers throughout the facility which includes all process areas and storage areas. The paging system is normally used by the office personnel. The internal communications system is tested each month to ensure its operability in the event of an emergency. In the case of an emergency, personnel are notified by voice instruction of the emergency via the paging system.

F-3 a (2) External Communications

The Lexington Recycle Center has telephones for external communications. The telephones are located in the office buildings, laboratory, lunch room, warehouse, all process areas, still room storage areas, and Service Center. Emergency contact lists which contain telephone numbers (SCDHEC, Safety-Kleen Facility Management, Safety-Kleen Emergency Response, etc.) are maintained at key phones throughout the facility. The facility personnel are authorized to use these phones. These telephones are the normal

work telephones.

F-3 a (3) Emergency Equipment

Emergency equipment available at the facility includes communications equipment, fire extinguishers, medical kits, respirators, and spill control equipment. Descriptions of the location, quantity, capacity and capabilities of the emergency equipment are listed in Attachment G-5 of the Contingency Plan.

Testing and maintenance of emergency equipment is conducted on an as needed basis, but at least as frequently as the manufacturer's recommendations in order to assure proper operation in the case of an emergency. Reusable equipment is washed with soap and water, or decontaminated with an appropriate solvent, and the residues are collected for disposal. Fire extinguishers are recharged by a certified fire extinguisher recharging company. All disposable materials used during an emergency response are disposed of in accordance with solid waste and hazardous waste regulations. All expendable emergency equipment is replaced and all non-expendable emergency equipment and facility equipment in the area of the emergency are decontaminated after an emergency response. A maintenance inspection of all emergency equipment used in the incident will be conducted prior to startup of operations and all emergency response supplies will be returned to pre-incident inventory levels.

F-3 a (4) Water for Fire Control

The Lexington Recycle Center is equipped with a facility water system and Aqueous Film Forming Foam (AFFF) chemical foam system for fire protection. The location of the fire hydrants and foam monitors are shown in Exhibit G-3 (Fire Protection System) of the Contingency Plan. The fire fighting system includes building sprinkler systems.

The fire suppression system at the Recycle Center is described as follows:

Tank Farm 1:	Deluge system activated either by thermal detectors or manually. Six percent AFFF at 1001 gpm.
Tank Farm 2:	Deluge system activated either by thermal detection or manually. Six

percent AFFF at 684 gpm.

Tank Farm 3A/3B: Deluge system activated either by thermal detectors or manually. Six percent AFFF at 770 gpm.

Container Storage Areas: Dry pipe pre-activated system. Activation by thermal element and thermal detection. Six percent AFFF at 1055 gpm (full flow) with 163 heads.

All systems sound a plant wide alarm when activated. A signal is also fed to a master control panel which displays the location and description of the alarmed area. This control panel also monitors all systems for tampering or incorrect settings to alert plant personnel so corrective action can be taken to ensure all systems are in ready mode.

Water and foam for the systems are stored in above ground tanks. Fire suppression water is obtained from the Town of Lexington's water system which provides adequate flow rate and pressure, with capability to connect to the water tank (250K gallons) or directly to the fire fighting equipment. The water pump is diesel powered. The foam pump is electrically driven. Plant wide water and foam distribution is done through underground piping.

F-3 b AISLE SPACE REQUIREMENT

The container storage areas at the Lexington Recycle Center will be provided with at least two feet of aisle space between rows of containers and adequate space near the entrance ramps to allow the unobstructed movement of personnel, fire fighting and spill control equipment in an emergency. The drum spacing arrangement has been reviewed by the Lexington County Fire Service.

F-4 PREVENTATIVE PROCEDURES, STRUCTURES, AND EQUIPMENT

The Lexington Recycle Center takes certain steps that enhance hazard prevention. This includes safety criteria in equipment selection, construction and placement, and specific procedures designed to promote safe operations. The following describes some of these measures.

TANK SYSTEMS

(a) Waste tank installation and design conform to UL standards.

(b) Waste tanks are aboveground and enclosed by secondary containment systems.

(c) Waste tank contents are inventoried daily and tanks are equipped with level indicators.

(d) Tanks are electrically grounded when constructed.

(e) A minimum of five percent by volume head space is maintained in waste storage tanks.

(f) The appropriate NFPA caution sign diamonds are in place on storage tanks.

(g) No smoking is allowed near tanks and No Smoking signs are conspicuously placed throughout the facility. Smoking is allowed only in designated areas.

(h) Only non-spark tools and equipment are used in flammable liquid storage and handling areas.

(i) Flammable materials are labeled and segregated into defined areas of the tank farms. The Lexington Recycle Center does not accept reactive wastes or wastes incompatible with other materials at the facility.

(j) Ignitable materials and wastes are stored in compliance with the buffer zone requirements of the NFPA Fire Codes (Tables 2-1 through 2-6). Protective distances greater than 50 feet between waste management areas and public ways or property lines are maintained.

CONTAINER STORAGE AREAS

(a) A supply of empty and overpack drums is maintained

(b) Bungs and tops are secured before moving containers.

(c) Aisle space is maintained at all times in container storage areas to allow personnel unobstructed access to containers.

(d) Only non-spark tools and equipment are used in flammable liquid storage and handling areas.

(e) Flammable materials are labeled and segregated into defined areas of the container storage areas.

(f) No smoking is allowed in container storage areas and No Smoking signs are placed throughout the facility. Smoking is allowed only in designated areas.

F-4 a UNLOADING OPERATIONS

Loading and unloading procedures are designed to ensure that wastes are handled in a manner that minimizes the possibility of spillage and release of hazardous material. Loading and

unloading operations at the facility involve either container or bulk transfers.

Containerized wastes are off-loaded to the waste staging area for load count, sampling, and inspection. The container staging area is provided with a secondary containment system to contain any releases that may occur during the staging process. This containment system consists of a sloped floor and collection sump for the containment of any waste spillage. Containers are situated within the containment system prior to sampling. Personnel assigned to sampling will wear appropriate safety equipment. Following sampling, testing, and approval, containerized wastes are transferred to the container storage area or processing area.

Bulk transfers at the facility include conveying liquids or solids between tanks, tanker trucks, and rail tanker cars. All transfers are monitored by trained personnel to minimize the possibility of spillage during the operation. Bulk unloading operations are described as follows:

(a) Tank volumes are measured prior to transfer of materials from trucks or railcars;
(b) Trucks are grounded before they are loaded or unloaded;
(c) Prior to loading a tanker, the contents of tanker compartments is visually inspected or measured;
(d) Truck brakes are set and wheels chocked prior to unloading;
(e) Transfers are done with metered shut-off valve when possible;
(f) Special containers are kept at the loading racks to catch hose drippings and incidental drainage;
(g) No smoking is allowed at loading/unloading areas;
(h) Transfers are attended by Safety-Kleen personnel;
(i) Only non-spark tools and equipment are used in flammable liquid storage and handling areas;

F-4 b RUN-OFF

The facility is designed to prevent run-off from all areas where wastes are unloaded, recycled, or stored. The Lexington Recycle Center unloads and stores hazardous wastes in tanks and containers that have secondary containment with sufficient capacity to contain any

spills and precipitation. The secondary containment areas slope to sumps and/or have dikes on all sides to prevent runoff and run-on. Secondary containment calculations for the various storage areas may be found in Attachments D-3 and D-4.

F-4 c WATER SUPPLIES

The Lexington Recycle Center conducts load/unload operations in areas that have adequate containment to prevent run-off in the event of a spill. The container storage areas have a sufficiently impervious base to prevent migration of wastes in case of spills or leaks. The aboveground tanks have adequate secondary containment capacity to contain the volume of largest tanks and precipitation from a 24-hour, 25-year rainfall event to prevent contamination of groundwater and surface water.

F-4 d EQUIPMENT AND POWER FAILURE

The Lexington Recycle Center is equipped with emergency lighting in case of power failure. Loss of power would cause cessation of pumping and any transfer of materials. Process equipment is switched off during power outages and restarted when power supply is resumed.

F-4 e PERSONAL PROTECTION EQUIPMENT

The facility is subject to the provisions of 29 CFR 1910. Following facility safety rules, all employees are provided with personal protective equipment and safety training to emphasize the importance of wearing protective equipment. The facility's health and safety program provides the equipment and necessary training for the proper use of respirators, safety glasses, hard hats and protective coveralls for all employees who may handle hazardous waste.

The following activities are standard operating procedures relating to personnel protection:

1. All process operators are trained operators familiar with plant operations.
2. Process operators are aware of the necessity for spill prevention and have been trained in containment and retrieval methods applicable to the operation and site.
3. No pumping, loading, or unloading operations are performed unattended.

4. Hardhats and safety glasses are required throughout the facility except in office and lounge areas.

5. Steel toed shoes are required to be worn by employees.

6. Operators are all trained in and knowledgeable about process shutdown and emergency procedures.

7. All employees are familiarized with the Material Safety Data for materials handled at the facility.

F-5 PREVENTION OF REACTION OF IGNITABLE, REACTIVE AND INCOMPATIBLE WASTES

F-5 a PRECAUTIONS TO PREVENT IGNITION OR REACTION OF IGNITABLE OR REACTIVE WASTES

The Lexington Recycle Center handles ignitable wastes for processing but does not manage reactive wastes. "NO SMOKING" signs are posted throughout the facility to prevent fire hazards. Smoking is allowed only in designated areas. All electrical equipment used in ignitable storage areas are grounded to prevent sparks. No open flames or sparks from cutting and welding operation are allowed near ignitable material storage area. Spark-proof tools are used in areas that manage ignitable waste. Waste acceptance and analysis procedures discussed in Section C of this application (Waste Characteristics and Waste Analysis Plan) ensure that incompatible reactive wastes do not enter the facility.

F-5 b PRECAUTIONS FOR HANDLING IGNITABLE OR REACTIVE WASTE AND MIXING OF INCOMPATIBLE WASTE

Precautions for handling ignitable or reactive waste and mixing of incompatible waste are provided in Section F-5 c.

F-5 c MANAGEMENT OF IGNITABLE OR REACTIVE WASTES IN CONTAINERS

Wastes material managed at the Lexington Recycle Center are typically compatible with one another and are stored in container storage areas by compatibility. The wastes are often segregated based on the types of wastes for ease of handling and processing. The following equipment and procedures are in place to prevent ignition of ignitable wastes:

1) Two feet of aisle space is maintained between rows of containers in container storage areas;
2) Containers are handled by forklifts using pallets or container-handling attachments to prevent accidental puncturing of containers;
3) Only containers meeting applicable DOT requirements are accepted by the facility;
4) Ignitable materials are stored at least 50 feet from the property line and no open flames or spark producing activities are allowed near the storage areas.
5) Container storage areas are inspected daily to identify leaking or damaged containers; and
6) Bungs and tops are secured before moving containers.

The inspection and testing procedures described in Section F-2, General Facility Inspections, and contained in the Inspection Plan in Attachment F-1 ensure that procedures to prevent ignition of ignitable waste are strictly followed by Safety-Kleen employees.

F-5 d MANAGEMENT OF INCOMPATIBLE WASTES IN CONTAINERS

Wastes material managed at the Lexington Recycle Center are typically compatible with one another. All incompatible material received will be properly segregated, stored and managed on-site while awaiting to be shipped to a treatment, storage and disposal facility able to manage the material.

F-5e MANAGEMENT OF IGNITABLE OR REACTIVE WASTES IN TANKS

Wastes material managed at the Lexington Recycle Center are typically compatible with one another and are stored in container storage areas by compatibility. The inspection and testing procedures described in Section F-2, General Facility Inspections, and contained in the Inspection Plan in Attachment F-1 ensure that procedures to prevent ignition of ignitable waste are strictly followed by Safety-Kleen employees. General precautions to prevent ignition of ignitable wastes are addressed in Section F-5 a.

The facility is designed to conform with all applicable safety codes including the Standard Building Code (southern edition), NFPA 30. For tanks which are subject to NFPA 30, a distance of at least 50 feet is maintained between the tanks and the property boundary; the tanks

are at least 10 feet from the nearest important building; and the tanks have either a minimum of three feet shell to shell separation distance or a separation distance of 1/6 the sum of the tanks' diameters as required by NFPA 30, Tables 2-1 through 2-6.

F-5 f INCOMPATIBLE WASTES IN TANKS

The Lexington Recycle Center does not comingle reactive or incompatible materials in tanks.

Section F
List of Tables

Table F-1
Facility Inspection Schedule

Category	Item	Type of Inspection	Inspection Frequency
Container Storage Areas	Containers Secondary Containment Container Arrangement	Condition of lids and bungs, absence of leaks, drops, aisle space, stacking, segregation of incompatibles, labels, container condition	Daily
Tank Farms	Tanks Secondary Containment Systems	Condition of secondary containment systems, sumps, corrosion of tank shells, flanges, connections	Daily
	Tank Surface, Tank supports, transfer pipes, valves	Open valves, condition, connections, corrosion of tank shell, sumps	Daily
	Tanks, Gauges, piping and pumps, valves, ancillary equipment	Absence of drips, leaks, condition of pipes, valves, fittings, connections, sumps etc.	Daily
	Tank bottoms	Evidence of leakage	Daily
Truck Stations	Piping, pumps, valves, ancillary equipment, truck supports, Truck/Van	Condition of pipes, valves, fittings, connections, sumps, vehicle stability, drips and leaks	Daily
Emergency Response Equipment	Fire extinguishers, spill response supplies	Condition of equipment, ready for service, availability, supply stock, location	Daily
Safety Equipment	Eye Wash, Emergency Decon Showers, PPE	Operability, availability, location, Supply stock	Monthly
Tank Thickness Testinq	Tank wall thickness testing	suitability for service	Annual
Subpart CC - Top of Tank	Closure device evaluation	Closure devices closed and functioning as intended	Annual

Table F-2
General Facility Inspection

Equipment	Inspection Criteria	Frequency
Security - Fences, gates, doors, locks, video cameras, lighting	Damage, breach, unlocked, corrosion, inoperable, warning signs missing or illegible, power interruption	Daily
Spill Response Equipment - absorbents, tools, eyewash/safety showers	Inventory, location, contaminated, inaccessible, inoperative, inadequate flow	Daily
Emergency Equipment - Fire Extinguishers, PPE	undercharged, reinspection due, missing inadequate supply, missing, not cleaned	Daily
Stormwater System	Inoperable sluice gate, damage, inaccessible, blocked, extraneous material present	Daily
Organic Vapor Control System	No Flame, by-pass valve open, damage	Daily
Still Room - Piping, valves, pumps	spills, leaks, equipment damage, gauges inoperable, bypassing	Daily
Cooker Room - Piping, valves, pumps	spills, leaks, equipment damage, gauges inoperable, bypassing	Daily
Reject Shed	Spills, leaks, open containers, out of date containers	Daily
Site generated waste areas	Spills, leaks, open containers, missing/illegible labels, out of date	Daily

Table F-3
TANK FARM INSPECTION SCHEDULE

Equipment	Inspection Criteria	Frequency
Secondary Containment Systems	Check surfaces, curbs, sumps, berms for cracks, spalling, and damage	Daily
Tanks, valves, transfer piping	Inspect tank shell, flanges, connections for corrosion or leaks; check for incorrect connections, open valves	Daily
Tanks, valves, transfer pipes, level gauges, ancillary equipment	Check for damage, leaks; record level in tank with tank level gauge, check operability of gauges	Daily
Inventory	Ensure all inventory reports are in order	Daily
Catwalks, ladders, stairs	Check for missing sections, damage	Daily
Roof, gutters, downspouts	Check for missing sections, damage	Daily
Tank Supports	Check for cracks or damage	Daily
Tank wall thickness, vents	Suitability for service, closure devices	Annual

Table F-4
CONTAINER STORAGE AREAS INSPECTION SCHEDULE

Equipment	Inspection Criteria	Frequency
Secondary Containment Systems	Check surfaces, curbs, sumps, berms for cracks, spalling, and damage	Daily
	Check concrete pads and dikes for cracks, erosion, spalling, and uneven settlement	Daily
	Check for spills or evidence of leaks, liquid collection	Daily
Containers	Check containers for leaks and damage	Daily
	Check for proper labeling	Daily
	Ensure that lids and bungs are secure	Daily
Container Arrangement	Check for adequate aisle space, proper stacking, segregation of incompatible materials.	Daily
Storage Area Capacity	Ensure permitted storage capacity is not exceeded	Daily
Building Structure	Check for damage and operability of floors, walls, roof, ramps, doors, and other structures	Daily

Table F-5

UNLOADING STATION (AKA TANKER TUNNEL) INSPECTION SCHEDULE

Equipment	Inspection Criteria	Frequency
Secondary Containment Systems	Check surfaces, curbs, sumps, berms for cracks, spalling, and damage	Daily
	Check concrete pads and dikes for cracks, erosion, spalling, and uneven settlement	Daily
	Check for spills or evidence of leaks, liquid collection	Daily
Truck Supports	Check for unsteadiness	Daily
Trucks	Check for drips or leaks from tankers/trailers	Daily
Station Capacity	Ensure that facility is not overloaded	Daily
Piping and Ancillary Equipment	Check for leaking pipes, valves, pumps, fittings, connections, and other ancillary equipment	Daily

Attachment F-1

Inspection Plan

1.0 Introduction

This Inspection Plan has been prepared for the Safety-Kleen Systems, Inc. Lexington, South Carolina Recycle Center. Facility and corporate personnel have developed the following inspection procedures and schedules for hazardous waste management operations at the facility, pursuant to the requirements of R.61-79.264.15 and 270.14(b)(5). The Inspection Plan has been designed to minimize the possibility of equipment malfunction or deterioration, operator error, or discharges that may cause a release of hazardous constituents to the environment or threaten human health.

Facility inspection is carried out according on a daily, monthly, and annual basis. An inspection schedule based on these frequencies is provided in Attachment F-2. For each inspection the schedule lists each area of the facility, the items within the area to be inspected, and the evaluation criteria on which the inspection is based.

Inspections at the facility are recorded on inspection forms similar to the samples provided in Attachments F-2 of this plan. Non-emergency correction action is scheduled for completion as soon as practical. Imminent hazards detected during an inspection result in immediate containment and remedial action. If necessary, the facility Contingency Plan will be activated. Completed inspection forms are filed in chronological order and maintained on file at the facility for a minimum of three years. A copy of this plan is available at the facility at all times.

In addition to the facility's inspection program, general environmental inspections are performed by corporate personnel from time to time.

2.0 General Facility Inspection Schedule

The general facility inspection schedule has been designed to detect potential failures of the facility's security, communications, and safety equipment. Potential problems with these systems include the following:

- Breach of security fence due to deterioration, forced entry, vandalism, or destructive weather conditions;
- Loss of internal or external communications due to equipment malfunction or sever weather conditions
- Health and safety equipment failure, absence, or inaccessibility;
- Loss of emergency power or failure of interior or exterior lighting.

The inspection schedule for these systems is outlined in Attachment F-2.

3.0 Process-Specific Inspection Schedule

This part of the inspection program has been designed to detect potential equipment or operational failures during hazardous waste management operations in the following process areas:

- Tank Farms;
- Container Storage Areas;
- Truck Stations; and
- Process Equipment.

3.1 Tank Farm Inspections

Points of inspection in the facility tank farms include the following:

- Deterioration of or damage to the containment system and floors of the areas;
- Leaking, damaged, or corroded tanks, valves, pumps, transfer piping, hoses and other ancillary equipment;
- Inventory reports missing;
- Catwalks, ladders, or stairs broken or missing; and,
- Deterioration of or damage to roof, gutters, downspouts, or tank supports.

The inspection schedule for the Tank Farms is included in Attachment F-2.

3.2 Container Storage Area Inspection

Points of inspection in the Container Storage Area include the following:

- Deterioration of or damage to secondary containment systems and floors of the storage area;
- Leaking or damaged containers;
- Collection of liquid in secondary containment system;
- Containers with inadequate or missing labels;
- Insufficient aisle space or inappropriate stacking;
- Storage inventory count;
- Damaged walls, ramps, or other structures;
- Cracks, spalling, uneven settlement, or erosion of secondary containment system dikes and concrete pad; and,
- Proper segregation of flammable materials.

The inspection schedule for the Container Storage Area is provided in Attachment F-2.

3.3 Truck Load/Unload Stations Inspection

Points of inspection in the truck stations include:

- Deterioration of or damage to secondary containment systems and floors in the truck station.
- Inappropriate use of truck supports; and,
- Leaks or spills from damaged hoses, permanent pipes, pumps, valves, connections and other ancillary equipment.

3.4 Example Inspection Forms

The Lexington Recycle Center uses a set of standard inspection forms for each facility inspection. Examples of the forms currently used are provided in Attachment F-2. The specific forms used at the facility will be revised and updated periodically to ensure compliance with all applicable regulations for all regulated units and to allow for ease of inspection and operability. The forms identify the inspector's name, date and time of inspection, a pass/fail notation, and provide space for the inspector's observations. Completed inspection forms are compiled and reviewed at the facility office, and copies are made for routing to the appropriate personnel responsible for corrective actions, as necessary.

ATTACHMENT F-2

INSPECTION FORMS

CO CSA Inspection

Response Id:

Compliance Header	
Inspector Name	
Area of Inspection	
Inspection Date and Time	
CO CSA Inspection Instructions	
Note condition of inspection items. If item does not apply to an area, mark N/A. All unsatisfactory findings must be explained below. Include any repairs, changes or other remedial actions required or performed.	
CO CSA Inspection Items	
Container Placement and Stacking - Check for evidence of failure (e.g., containers on pallets, pallets too high, unstable, other).	
Sealing of Containers - Check for evidence of failure (e.g., containers not closed or sealed, open).	
Labeling of Containers - Check for evidence of failure (e.g., no label, improper label, content, other).	
Container Integrity - Check for evidence of failure (e.g., condition, bulging, leaks, rust, corrosion, other). Containers do not have waste/staining on the outside which would require cleaning or overpacking.	
Pallets - Check for evidence of failure (e.g., broken, loose, condition).	
Doors - Check for evidence of failure (e.g., indoor area, broken or not working as intended).	
Base/ Foundation/ Roof - Check for evidence of failure (e.g., cracked, gaps, other).	
Berms/ Racks - Check for evidence of failure (e.g., cracks, gaps, broken, other).	
Site Generated Waste - debris, used absorbents, used PPE, aerosols, etc. - Check for evidence of failure (e.g., waste not	

containerized, proper storage location, container type, container label, other).	
Exit Signs - Check for evidence of failure (e.g. missing, lamps, battery backup, other).	
Aisle Space - Check for evidence of failure (e.g., minimum 2 ft required, other).	
Containment Area - Check for evidence of failure (e.g., secondary containment, curbing, floor, cracks, deterioration, ponding or wet spots, other).	
Sumps - Check for evidence of failure (e.g., cracks, ponding or wet spots, pitting or deterioration, other).	
Loading/ Unloading Areas - Check condition of area (e.g., available equipment, spill response, containment, pad condition, valve access box, ponding or wet spots, other).	
Communication and Alarm System - Check for evidence of failure (e.g., test function, siren, strobe, other).	
Storage Capacity - Check for acceptable limit (e.g., area or permit retrictions, type restriction, volume limit, other).	
Bonding and Grounding - Check for evidence of failure (e.g., loose, broken, corrosion or deterioration, other).	
Pumps - Check for evidence of failure (e.g., deterioration or broken, leaks, other).	
Inventory Age - Check for acceptable limit (e.g., within area limits, permit restrictions, other).	
Satellite Accumulation Containers - Check for evidence of failure (e.g., container open, >55 gallons, label, other).	
Compliance Footer	
Inspector Signature	

Inspection Overall Assessment	

CO Subpart CC Visual Tank Inspection

Form Code: 68

Compliance Header	
Inspector Name	
Area of Inspection	
Inspection Date and Time	
CO - Subpart CC Visual Tank Inspection Instruction	
Complete the visual tank inspection to satisfy the annual inspection required under Subpart CC.	
CO - Subpart CC Visual Tank Inspection Items	
Condition of tank (fixed roof and closure devices): (Check "Pass" if the condition of the tank is acceptable; Check "Fail" if the condition of the tank is not acceptable.) If "Fail", select appropriate reason: not closed under normal operation, other.	
These tanks are designed so that all cover openings can be closed with no visible gaps, holes, cracks, or other open spaces into the interior of the tank. The cover and all cover openings operate with no detectable emissions when in a closed position. Cover openings are maintained in a closed position at all times except when waste is being added to or removed from the tank, or when necessary sampling or repair/maintenance is performed on the tanks.	
Compliance Footer	
Inspector Signature	
Attach Photo	
Inpsection Overall Assessment	

CO Tank Systems Inspection

Form Code: 27

Compliance Header	
Inspector Name	
Area of Inspection	
Inspection Date and Time	
CO Tank Systems Inspection Instructions	
Note condition of inspection items. If item does not apply to an area, mark N/A. All unsatisfactory findings must be explained below. Include any repairs, changes or other remedial actions required or performed.	
CO Tank Systems Inspection Items	
Tanks - Check for evidence of failure (e.g., rusty or loose anchoring, distortion, paint failure, other).	
Pipes/Piping Supports - Check for evidence of failure (e.g., distortion, corrosion, paint failure, other).	
Valves - Check for evidence of failure (e.g., disconnected, corrosion, sticking, leaks, other).	
Fittings/Hose Connections - Check for evidence of failure (e.g., loose, disconnected, corrosion, other).	
Liquid Level - Check for acceptable level. (e.g., high level max, permitted volume, other).	
Secondary Containment - Check for evidence of failure (e.g., cracks, ponding or wet spots, pitting or deterioration, other).	
Sumps - Check for evidence of failure (e.g., cracks, ponding or wet spots, pitting or deterioration, other).	
Bonding and Grounding - Check for evidence of failure (e.g., loose, broken, corrosion or deterioration, other).	

Transfer Equipment/Pump and Pump Motors - Check for availability and condition (e.g., pumps, filters, strainers, hoses, leaks, overheating, other).	
Communication and Alarm System - Check for evidence of failure (e.g., test function, siren, strobe, other).	
Satellite Accumulation Containers - Check for condition and appropriate for area (e.g., filter/basket, solids, label and marking, other).	
Manways, Hatches, Other Openings - Check for evidence of failure (e.g., condition, corrosion, closure, other).	
Pressure Relief Valves (PRV)/ Flame Arrestors - Check for evidence of failure (e.g., condition, corrosion, other).	
Tanks marked with the words "Hazardous Waste" - Check for appropriate markings.	
Tanks not used marked as "Out of Service" - Check for appropriate markings.	
Tanks marked as to the contents - Check for appropriate markings (e.g., Non-Haz Only).	
Monitoring Equipment/Level Indicators - Check for evidence of failure (e.g., pressure and temperature gauges, level indicators, sticking, condensation, disconnected, other).	
Loading/ Unloading Areas - Check condition of area (e.g., available equipment, spill response, containment, pad condition, valve access box, ponding or wet spots, other).	
Compliance Footer	
Inspector Signature	
Attach Photo	
Inspection Overall Assessment	

LER General Facility Inspection

Response Id:

Compliance Header	
Inspector Name	
Area of Inspection	
Inspection Date and Time	
Security Systems	
Fence in good condition with no evidence of damage; barbed wire in good condition and no missing strands or damage; fence bottom reaches the ground; no signs of fence breach or unauthorized entry.	
Fence gates are operational, locked when not being used, and undamaged. Emergency exits accessible. Security lights are operational	
Warning signs in place along fence-line and at gates. Signs are legible and undamaged.	
Spill and Emergency Equipment	
Spill response equipment is in place; inventory is above required minimum and equipment is being stored properly; equipment was cleaned after last use.	
Communication equipment in designated areas; equipment is working properly	
Fire extinguishers are in designated locations, accessible, fully charged, and inspected according to schedule.	
Eyewashers and emergency showers are operational, and accessible. Eyewashers are cleaned	
Stormwater Systems	
Stormwater channels are clear of trash and debris, and are free of evidence of spills of oil or wastes.	
Stormwater sluice gates are accessible and free of damage	

Accumulation Areas	
Accumulated volume <55 gallons in each area.	
Containers are closed except when adding or removing wastes, are proprly labeled and marked, and are free of leaks, spills and damage.	
Reject Shed	
Containers are closed during storage, are free of damage, spills and leaks. Containers are organized into appropriate rows and are appropriately labeled. Time limits for rejections have not been exceeded.	
Compliance Footer	
Inspector Signature	
Inspection Overall Assessment	

LER - Recycling Areas

Response Id:

Compliance Header	
Inspector Name	
Area of Inspection	
Inspection Date and Time	
Form Instructions	
Inspection form applies to the recycling processes and the emission control system associated with the recycling process.	
Still Room - Artisan & Luwa	
Process equipment, process control systems and gauges are in good condition and are operating properly.	
Pumps, piping, valves, connectors, and flanges are in good condition, are operating properly and are free of leaks. Equipment tags are in place and are readable. No open-ended piping or sampling taps.	
Hoses are in good condition, are secured when not in use and are capped and/or plugged when not in use.	
Satellite accumulation containers are located in the area where waste is generated, are in good condition and free of leaks, are closed except when waste is added or removed and are properly labeled. Volume of accumulated waste in each location is < 55 gallons.	
Containment areas are in good condition, are free of spills/leaks, trash and debris.	
Communication systems are in place and are functional.	
General Area is free of spills, odors and accumulated trash and debris. Spill kits are in place and stocked.	
Cooker Room - Units 1 & 2	
Process equipment, process control systems	

and gauges are in good condition and are operating properly.	
Augers are closed and free of residue	
Hoses are in good condition, are secured when not in use and are capped and/or plugged when not in use.	
Satellite accumulation containers are located in the area where waste is generated, are in good condition and free of leaks, are closed except when waste is added or removed and are properly labeled. Volume of accumulated waste in each location is < 55 gallons.	
Containment areas are in good condition, are free of spills/leaks, trash and debris.	
Communication systems are in place and are functional.	
General Area is free of spills, odors and accumulated trash and debris. Spill kits are in place and stocked.	
Organic Vapor Control Flare	
Control equipment and monitoring systems are in good condition and are operating properly. Flame is present and by-pass valve is in good condition and is closed.	
Compliance Footer	
Inspector Signature	
Inspection Overall Assessment	

Section G

CONTINGENCY PLAN

SAFETY-KLEEN SYSTEMS, INC. RECYCLE CENTER
130-A FRONTAGE ROAD
LEXINGTON, SC 29073
(803) 356-4061

Section G

Contingency Plan
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CONTINGENCY PLAN QUICK REFERENCE GUIDE

CONTINGENCY PLAN QUICK REFERENCE GUIDE

Safety-Kleen Systems, Inc.
130-A Frontage Road, Lexington, SC 29073
Telephone (803) 356-4061

Facility Contacts:

Primary Emergency Coordinator	Eddie Hook	Mobile Phone (24/7)	(803) 513-3585
Alternate Emergency Coordinator	Steve Hopkins	Mobile Phone (24/7)	(803) 767-2481
Alternate Emergency Coordinator	Mitchell Johnson	Mobile Phone (24/7)	(803) 608-4985
Safety-Kleen Emergency Response		(24/7)	(800) 645-8265

Note: This facility typically operates 24/7. Office hours are generally Monday through Friday 7am to 7pm, and if needed weekends and holidays 8am to 5pm.

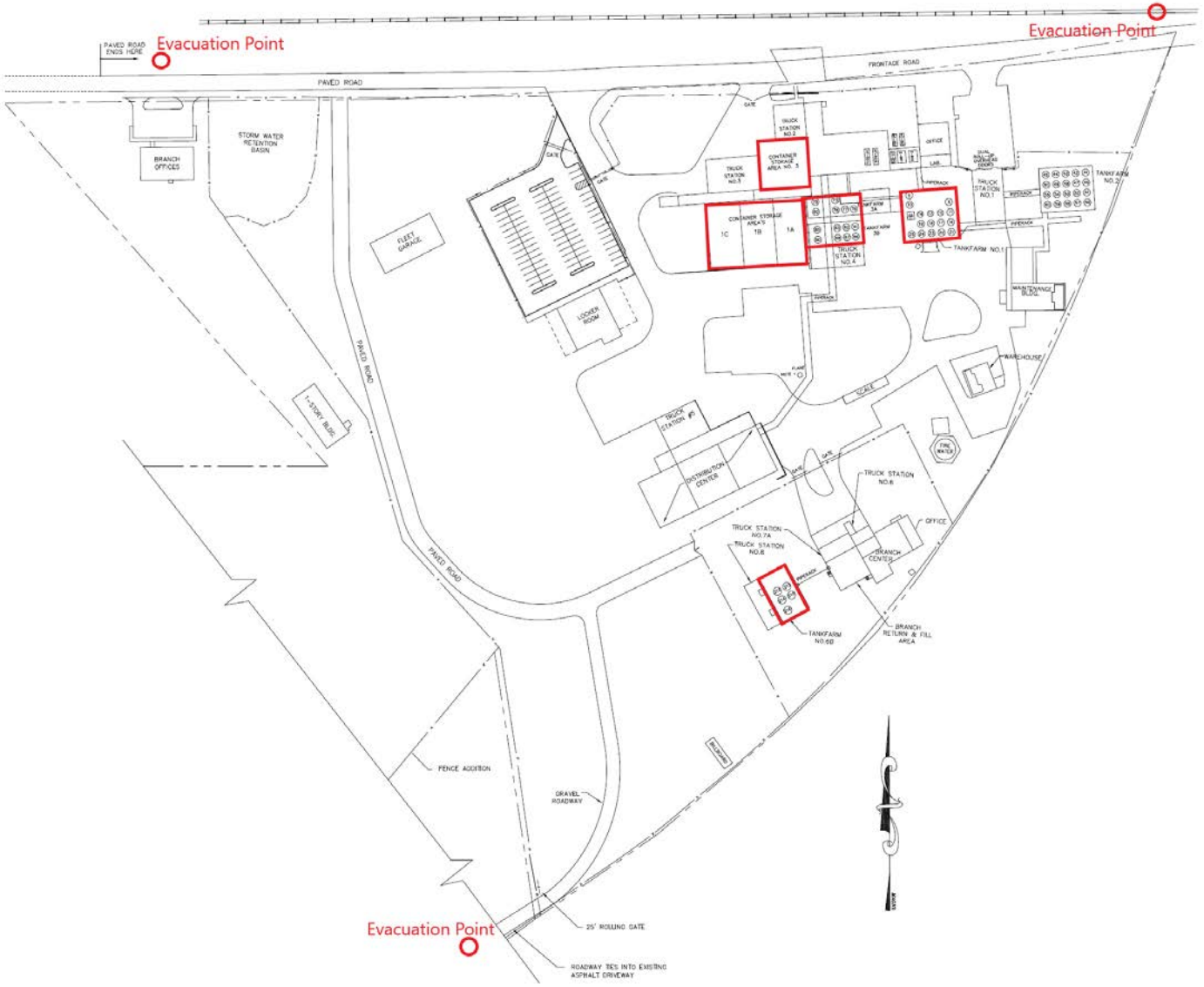
Hazardous Waste Storage Information

Type/Common Name of Waste	Associated Hazard	Location in Facility Where Hazard is Accumulated	Maximum Quantity That Could be Present	Response Notes	Special Notes to Hospital/Treatment Personnel
Soils, liquids or sludges contaminated with **Hydrocarbons** (organic): Examples of products that contain dangerous **hydrocarbons** include some solvents used in paints and dry cleaning and household cleaning chemicals.	Serious toxicity and death can be associated with **hydrocarbon** exposure through inhalation, ingestion, or aspiration. Pulmonary toxicity is most common, however cardiovascular, nervous, and gastrointestinal systems can all be affected causing coma, seizures, irregular heart rhythms or damage to the kidneys or liver.	Container Storage Areas 1A, 1B, 1C and 3; Tank Farms 1, 3A, 3B and 6B	CSA 1A (99,600 gal), CSA 1B (99,600 gal), CSA 1C (99,600 gal), CSA 3 (79,486 gal); TF 1 (242,000 gal), TF 3A (110,000 gal), TF 3B (160,000 gal); TF 6B (100,000 gal)	If personnel come into direct contact with material, decontamination at the hospital may be required prior to treatment.	Specific chemical Hazards for Treatment consideration will be generated by the CH profile Information. Contact Chemtrac for emergency medical treatment information at 1-800-424-9300. Treat Symptomatically.

Type/Common Name of Waste	Associated Hazard	Location in Facility Where Hazard is Accumulated	Maximum Quantity That Could be Present	Response Notes	Special Notes to Hospital/Treatment Personnel
Soils, liquids or sludges contaminated with **Halogenated / nonhalogenated** organic waste: **Halogenated Waste** (any organic chemical that contains F, Cl, Br, or I) **Non-Halogenated Waste** (organic solvents that do not contain F, Cl, Br, or I)	Many **halogenated** hydrocarbons have moderate to high toxicity by inhalation. The brominated materials tend to be particularly toxic. Much of the toxicity is due to the fact that these substances are not metabolized but persist and accumulate in fatty tissues (they tend to be fat-soluble). The combustion of chlorinated organic compounds may produce poisonous phosgene gas ($COCl_2$). Other materials formed by incomplete combustion are classes of chlorinated organic compounds, chlorodibenzodioxins and chlorodibenzofurans. These compounds cause cancer in laboratory tests.	Container Storage Areas 1A, 1B, 1C and 3; Tank Farms 1, 3A, 3B and 6B	CSA 1A (99,600 gal), CSA 1B (99,600 gal), CSA 1C (99,600 gal), CSA 3 (79,486 gal); TF 1 (242,000 gal), TF 3A (110,000 gal), TF 3B (160,000 gal); TF 6B (100,000 gal)	If personnel come into direct contact with material, decontamination at the hospital may be required prior to treatment.	Specific chemical Hazards for Treatment consideration will be generated by the CH profile Information. Contact Chemtrac for emergency medical treatment information at 1-800-424-9300. Treat Symptomatically.
Soils, liquids or sludges contaminated with **Corrosive wastes** (Acids & Bases)	**Corrosives** are materials that can attack and chemically destroy exposed body tissues. **Corrosives** can also damage or even destroy metal. They begin to cause damage as soon as they touch the skin, eyes, respiratory tract, digestive tract. Most corrosives are either acids or bases. Common acids include hydrochloric acid, sulfuric acid, nitric acid, chromic acid, acetic acid and hydrofluoric acid. Common bases are ammonium hydroxide, potassium hydroxide (caustic potash) and sodium hydroxide (caustic soda).	Container Storage Areas 1A, 1B, 1C and 3; Tank Farms 1, 3A, 3B and 6B	CSA 1A (99,600 gal), CSA 1B (99,600 gal), CSA 1C (99,600 gal), CSA 3 (79,486 gal); TF 1 (242,000 gal), TF 3A (110,000 gal), TF 3B (160,000 gal); TF 6B (100,000 gal)	If personnel come into direct contact with material, decontamination at the hospital may be required prior to treatment.	Specific chemical Hazards for Treatment consideration will be generated by the CH profile Information. Contact Chemtrac for emergency medical treatment information at 1-800-424-9300. Treat Symptomatically.

Type/Common Name of Waste	Associated Hazard	Location in Facility Where Hazard is Accumulated	Maximum Quantity That Could be Present	Response Notes	Special Notes to Hospital/Treatment Personnel
Reactive Wastes **Reactive wastes** are **wastes** that readily explode or undergo violent reactions. A **waste** is considered **reactive** if it: Explodes or reacts violently when exposed to water or under normal handling conditions. Creates toxic fumes or gases when exposed to water or under common handling conditions.	Because it is difficult to identify the properties and **hazards of** waste streams being managed, **Hazardous waste** may be flammable, corrosive, **reactive**, and/or toxic.	Container Storage Areas 1A, 1B, 1C and 3; Tank Farms 1, 3A, 3B and 6B	CSA 1A (99,600 gal), CSA 1B (99,600 gal), CSA 1C (99,600 gal), CSA 3 (79,486 gal); TF 1 (242,000 gal), TF 3A (110,000 gal), TF 3B (160,000 gal); TF 6B (100,000 gal)	If personnel come into direct contact with material, decontamination at the hospital may be required prior to treatment.	Specific chemical Hazards for Treatment consideration will be generated by the CH profile Information. Contact Chemtrac for emergency medical treatment information at 1-800-424-9300. Treat Symptomatically.
Cyanide and Sulfide Reactive Wastes **cyanide or sulfide bearing waste** which, when exposed to pH conditions between 2 and 12.5, can generate toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment. **reactive cyanide- and sulfide**-bearing **wastes**. These **wastes** are regulated as characteristically **hazardous** (**waste** code D003) at 40 CFR 261.23(a)(5).	Serious toxicity and death can be associated with **cyanide or sulfide bearing waste** exposure. Moderate to high toxicity by inhalation.	Container Storage Areas 1A, 1B, 1C and 3; Tank Farms 1, 3A, 3B and 6B	CSA 1A (99,600 gal), CSA 1B (99,600 gal), CSA 1C (99,600 gal), CSA 3 (79,486 gal); TF 1 (242,000 gal), TF 3A (110,000 gal), TF 3B (160,000 gal); TF 6B (100,000 gal)	If personnel come into direct contact with material, decontamination at the hospital may be required prior to treatment.	Specific chemical Hazards for Treatment consideration will be generated by the CH profile Information. Contact Chemtrac for emergency medical treatment information at 1-800-424-9300. Treat Symptomatically.


Residential
Apartment Complex
Fire hydrant
Fire hydrant
130 Frontage Rd
Safety-Kleen Systems, Inc.
Gethsemane
Baptist Church
20



Evacuation Assembly Areas and Hazardous Waste Storage Areas

G CONTINGENCY PLAN

The Contingency Plan for the Lexington Recycle Center is prepared in accordance with the requirements of R.61-79.264.37 and R.61-79.270.14(b)(7).

The intent of Subpart D (Contingency Plan and Emergency Procedures) is to ensure that facilities which treat, store, or dispose of hazardous wastes have established the necessary planned procedures to follow in the event an emergency situation should arise.

This Contingency Plan describes procedures in place at the Lexington Recycle Center to minimize the possibility of an emergency situation. The Plan also provides response procedures to be implemented in emergencies to "minimize hazards to human health and the environment from fires or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil or surface water". The Contingency Plan is implemented by the Emergency Coordinator in the event of a fire, or a release of hazardous waste which could threaten human health or the environment.

It is necessary to amend the plan if:

- The applicable regulations are revised;
- The plan fails in an emergency;
- The facility design, construction or operation changes significantly;
- The list of emergency personnel changes; or
- The inventory or location of emergency equipment changes.

This Plan or revisions to the Plan are maintained by facility management and available for review by all facility employees. Copies are also provided to local authorities and outside emergency teams as may be called upon to provide emergency service. The most current Contingency Plan is always available on site.

G-1 GENERAL INFORMATION

Safety-Kleen Systems, Inc. owns and operates the Lexington Recycle Center is located at U.S. #1 and I-20 in Lexington, South Carolina. Safety-Kleen is a recycler of

industrial solvents and stores solvents that are processed at the recycle center. The main phone number for the facility is **(803) 356-4061**. Contingency Plan Exhibit G-1 shows emergency equipment locations and evacuation routes super-imposed on site plans for both the existing and proposed facilities. Traffic flow patterns for both the existing and proposed facilities are also shown in Exhibits G1 and G-2.

Local and company officials responsible for environmental and emergency response programs are indicated in Attachment G-2:

The facility receives spent organic chemicals from other Safety-Kleen facilities and from industrial and commercial customers. EPA hazardous waste codes for waste organic chemicals received handled at the facility are listed in Attachment G-1. Wastes are received at the facility in tanker trucks and in containers transported in box trailer vans. Reclaimed and processed chemicals are transported offsite the same way, both containerized and in bulk.

The Lexington Recycle Center stores hazardous waste in tanks and container storage areas. Wastes obtained from Safety-Kleen customers are stored in the storage areas with a total capacity as follows:

Tanks: The maximum tank storage capacity for waste materials for the existing facility is 612,000 gallons.

Containers: The maximum containerized waste material on-site for the existing facility is 378,286 gallons, equivalent to ~6,879 55- gallon drums or the equivalent gallons in larger and/or smaller containers typically a combination of various sizes of containers.

G-2 EMERGENCY COORDINATORS

If an emergency situation develops at the facility, the discoverer will contact an Emergency Coordinator, or if more appropriate to the situation, will summon help from other employees, but the discoverer Must make sure the Emergency Coordinator is contacted. The names, addresses, and telephone numbers of the Emergency Coordinator and designated alternates are listed in Attachment G-2. The Emergency Coordinators should be called in the order they are listed. All

agencies receiving a copy of the Contingency Plan will be notified of any changes in personnel serving as Emergency Coordinator and provided with the appropriate revised pages.

At all times, the Emergency Coordinators or one of the designated alternates will be either at the facility or on call (i.e., available to respond to an emergency by reaching the facility within a short period of time). All persons listed as Emergency Coordinators are thoroughly familiar with all aspects of the facility's Contingency Plan, all operations and activities at the facility, the location and characteristics of waste handled, the location of all records within the facility, and the facility layout.

In addition, Emergency Coordinators have the authority to commit resources of the company to deal with emergencies at the facility.

Overall responsibility for emergency response at the entire Lexington facility rests with the recycle center Facility Manager who is the Primary Emergency Coordinator.

If the Contingency Plan must be implemented, the Emergency Coordinator will ensure that the following actions are taken:

- Account for all personnel;
- Assess information and determine next step action;
  - call local fire department or other officials, if necessary;
  - secure plant operations;
  - activate manual fire containment operation, ensure automatic system operational;
  - arrange for any needed medical attention; and,
  - begin relocating tank trucks out of area.

G-3 IMPLEMENTATION

The Contingency Plan and the emergency procedures have been designed to minimize hazards to human health and the environment resulting from explosions or any unplanned, sudden or non-sudden significant release of hazardous waste or hazardous waste constituents to air, soil, or surface water.

The decision to implement the Contingency Plan will be made by the Emergency Coordinator. The

following information is to provide guidance to the emergency coordinator in making this decision. The Contingency Plan should be implemented in the following situations:

G-3a FIRE AND/OR EXPLOSION

The Contingency Plan will be implemented due to fire or explosion if:

- The fire causes the release of dangerous or toxic fumes.
- The fire could spread to other locations, thereby, possibly igniting materials on-site or off-site, or could cause heat induced leaks or explosions.
- The use of either water or foam fire suppressants could result in contaminated runoff.
- An explosion does or could:
    - result in danger from flying fragments or shock waves;
    - ignite other materials at the facility or otherwise cause the release of toxic materials.
- The fire or explosion endangers human health for any other reason.

G-3b SPILLS OR MATERIAL RELEASE

The Contingency Plan will be implemented due to a spill or material release if:

- The spill is an uncontrolled and uncontained release of toxic or flammable liquids which could cause a fire or gas explosion hazard.
- The spill could result in off-site or on-site soil contamination and/or ground or surface water contamination.
- The spill endangers human health or the environment for any other reason.
- The potential exists for incompatible materials to come into contact with each other.
- The quantity of material spilled constitutes a “Reportable Quantity” under CERCLA outside of secondary containment.

G-3c FLOODS

The Contingency Plan will be implemented if, due to the unlikely event of flooding, the potential exists that continued normal operation is not possible without the threat of compromising human safety or endangering the environment.

When the decision is made to implement the Contingency Plan, the Emergency Coordinator or designee will direct or carry out the directions outlined in the remaining sections of this plan, which describe procedures, emergency equipment, coordination agreements, and evacuation plan.

G-4 EMERGENCY RESPONSE PROCEDURES

G-4a NOTIFICATION

In the event of an emergency situation, the Emergency Coordinator or designee is to be notified first, and will determine whether the Contingency Plan is to be implemented. If it is, the Emergency Coordinator or designee will subsequently make or direct immediate notification of appropriate off-site authorities and be available to help appropriate officials determine if evacuation is necessary. The names and phone numbers of the Emergency Coordinators and the off-site authorities to be notified are given in Attachment G-2. If it is decided that the Contingency Plan does not have to be implemented, the Emergency Coordinator will see that all necessary response action is taken; that the Safety-Kleen Environment, Health & Safety Department is notified; and that an incident report is completed on the Field Spill Report Form shown in Attachment G-3. The attached Inspection and Report Forms are examples for illustration purposes only. Format may vary, but the general content will always be present. As regulations require, revisions will be made.

G-4b IDENTIFICATION OF HAZARDOUS MATERIALS

The Emergency Coordinator will immediately identify the character, exact source, quantity and area extent of the release. Since the locations where hazardous wastes are stored and processed are distinct areas and because tank contents are carefully labeled and recorded, the wastes involved in and/or affected by the emergency situation should be readily identifiable. If for some reason, the waste cannot be positively identified, samples will be taken for chemical analysis, assuming it can be

done in a safe manner by a trained individual utilizing appropriate chemical protective gear. The Emergency Coordinator or designee must determine both direct and indirect effects of the release, fire or explosion.

G-4c HAZARD ASSESSMENT

The emergency coordinator will assess possible hazards to the environment and human health pus also determine whether the Contingency Plan should be implemented, using the criteria described above. In addition, the emergency coordinator will determine the need for evacuation (in an uncontrollable situation) and notification of authorities, as described above.

The Emergency Coordinator will identify the materials involved in situation to the fullest extent possible and assess possible hazards both direct and indirect, to human health and the environment, and subsequently notify the appropriate site personnel and authorities. The Emergency Coordinator's hazard assessment will include information gathered from other site personnel involved in the emergency. As soon as possible, the Emergency Coordinator will determine the character, source, quantity, and aerial extent of any released materials by visual inspection and reference to manifests, sample analysis, Waste Profile Sheets, and other available sources of information. The hazard assessment will include the following parameters:

- Origin of leak;
- Condition of the source (e.g., repairable leak, uncontrollable leak, easily moved, etc.);
- Container/Tank identification; e.g. label or placard information, type and size of container/tank involved;
- Physical state of the spill (e.g., solid, liquid, gas, sludge);
- Odor;
- Color of material;
- Noticeable reaction (e.g., fuming, flaming, gas evolution, etc.)
- Reportable quantities.

G-4d CONTROL PROCEDURES

G-4d(1) Emergency Spill Control Procedures

The following procedures will be followed in the event of an emergency spill:

(a) If process equipment /systems are involved, shut them down if such action can be done without putting personnel at risk;

(b) Activate the alarm system and evacuate the area, affected building or, if necessary, the entire facility;

(c) Report the spill to the Fire Department (Dial 911) and to the Safety-Kleen Emergency Coordinator;

(d) Treat the injured, and summon emergency medical services (ambulance), if necessary, by dialing 911;

(e) Notify the Emergency Coordinator (refer to Attachment G-2) and, with direction and assistance from the Safety-Kleen Environment and/or Health and Safety Department governmental agencies will be notified.

(f) If the spill/leak is small, take action to stop, contain, or slow the flow of liquid. This action should only be attempted by trained personnel wearing appropriate chemical protective gear;

(g) Provide information to the Fire Department, upon their arrival, concerning the spilled material(s) (if they have been summoned);

(h) Trained personnel wearing appropriate protective gear should conduct air monitoring to identify hazardous vapor concentrations in the area. Off-site evacuation of the public should be considered by the Emergency Coordinator and local government officials;

(i) If the spilled liquid is flammable, take appropriate precautions to prevent ignition of vapors;

(j) Efforts to contain the spill should be initiated or continued, if applicable. For spills occurring at the truck stations, tank farms, container storage areas, or railcar facility, spilled waste material will normally be contained within the secondary containment system. Leaking tanks, pipes, or other equipment should be plugged, patched, off-loaded, or overpacked (the latter applies to small containers and drums), as appropriate, to stop the release of liquid. Only trained and properly clothed personnel should attempt these actions;

(k) Pump large amounts of contained chemicals to drums or tanks for disposal or, if applicable, on-site processing. Small quantities of chemicals can be absorbed and placed in drums for disposal. This action should only be attempted by trained personnel wearing appropriate chemical protective gear;

(l) Clean all contaminated surfaces, including tanks, containment structures, containers, and ancillary equipment. Cleanup personnel must wear appropriate protective gear;

(m) Decontaminate all response personnel, protective gear, equipment and apparatus. Wearing of appropriate protective gear is required during decontamination operations;

G-4d(2) Fire Control Procedures

G-4d(2) (a) Small Fire

In the event of a small localized fire in the incipient stage, the following procedures will be implemented:

- Act quickly with an appropriately-rated fire extinguisher to limit the spread of fire, in accordance with fire suppression training; while
- A second person activates the facility fire alarm and also reports the fire to the Fire Department (Dial 911).
- If processing equipment/systems are involved, shut them down if such action can be done without putting personnel at risk.
- Fire Department ensures extinguishment of the fire.

G-4d(2)(b) Large Fire

In the event of a large fire, the following procedures will be implemented:

- Activate the facility fire alarm system, and evacuate the entire facility, and activate fire suppression systems not already activated;
- Report the fire to the Fire Department (Dial 911);
- Treat any injured, and summon emergency medical services (ambulance), if necessary, by dialing 911;
- Notify the Emergency Coordinator (refer to Attachment G-2) and, with direction and assistance from the Safety-Kleen Environment and/or Health and Safety Department governmental agencies will be notified;
- Provide information to the Fire Department, upon their arrival, concerning the material(s) involved in the fire and those nearby the fire area;
- The Fire Department will perform any rescues and control the fire. In the event of a fire in a container storage building, access aisles are present to permit passage of firefighters and

their equipment;

- During fire suppression operations, efforts should be taken to contain the fire suppressant and runoff from entering storm drains, drainage ditches, and waterways;
- During and after the fire, trained personnel should conduct air monitoring (from a safe distance and while wearing proper protective clothing) to identify hazardous vapor concentrations in the area. Off-site evacuation of the public should be considered by the Emergency Coordinator and local government officials;
- After the fire is controlled and it is deemed safe to attempt, enter the affected building or area to assess damage and to determine the condition of hazardous waste containers, tanks, and other affected equipment. This action should only be undertaken by trained personnel wearing proper protective gear and while under the protection of a charged hose line;
- Any leaking tanks, pipes, containers, or other equipment should be plugged, patched, off-loaded, or overpacked (the latter applies to small containers and drums), as appropriate, to stop, the release of liquid into the area. Contain any spilled wastes and segregate them from fire suppression runoff, if possible. Only trained personnel, utilizing appropriate PPE, should attempt these actions;
- Pump large amounts of contained chemicals and runoff to drums or tanks for disposal or, if applicable, on-site processing. Small quantities of chemicals and runoff can be absorbed and placed in drums for disposal. This action should only be attempted by trained personnel wearing proper protective gear;
- Clean all contaminated surfaces including tanks, containment structures, containers, and ancillary equipment. Cleanup personnel must wear appropriate protective gear;
- Decontaminate all response personnel, equipment, protective gear, and apparatus. Wearing of appropriate protective gear is required during decontamination operations; and
- Prepare records and documentation regarding the incident for internal purposes.

G-4d(3) Floods

None of the hazardous waste management activities at the Lexington Recycle Center are located within the 100-year flood plain; therefore, floods exceeding this level will be dealt with on a case by

case basis.

G-4e PREVENTION OF RECURRENCE OR SPREAD OF FIRES, EXPLOSIONS, OR RELEASES

During an emergency, the emergency coordinator shall undertake all reasonable measures necessary to ensure that fires, explosions, and discharges do not occur, recur, or spread to other hazardous material at the facility. These measures must include, where applicable, stopping processes and operations, collecting and containing released waste, and removing or isolating containers, as described above.

The emergency coordinator has the option of implementing the fire suppression system at the Lexington facility. The system is an emergency activated system that is designed to provide for automatic, plant-wide foam-water fire suppression. It is also a system that can be manually activated at the discretion of the emergency coordinator. The system consists of foam water sprinklers, water only sprinklers, closed head foam water sprinkler system, and foam water hose stations.

G-4f STORAGE AND TREATMENT OF RELEASED MATERIAL

If the facility ceases operations in response to a fire, explosion, or discharge, the Emergency Coordinator will ensure the monitoring of leaks, pressure buildup, gas generation, or ruptures in valves, pipes, or other equipment, wherever this is appropriate.

Should an emergency spill or release occur in an area without adequate secondary containment, compatible or inert materials (absorbent booms, pads or oil sorbents) should be used to contain the spill or release. Immediately after an emergency, the Emergency Coordinator will provide means for treating, storing or disposing of recovered waste, contaminated soil, surface water, or other contaminated material that results from a release, fire or explosion at a facility permitted for such activities.

The spilled residues and containment materials will be collected immediately and the area of the spill thoroughly cleaned. If necessary, concrete surfaces may be blasted with an abrasive material to remove visible contamination.

Descriptions of equipment available to manage contained material are provided in Attachment G-4.

Contaminated soils or debris which result from the spill shall be collected in containers. If significantly large areas/volumes of soil/debris are contaminated, remedial activities may include soil washing, ground water pump and treatment systems or other remedial activities. Prior to commencement to substantial remedial activities the South Carolina DHEC will be notified and approval obtained. Analysis of parameters will be performed to determine effective decontamination based on the spilled material and in accordance with the waste analysis plan.

G-4g INCOMPATIBLE WASTE

Waste materials managed at the Lexington Recycle Center are typically compatible with one another and are stored in container storage areas by compatibility. Incompatible wastes are segregated by various means including spatial distance, dikes, berms, portable secondary containments, etc. If wastes are incompatible with a released material, they will not be treated, stored, or disposed until cleanup procedures are completed. The owner or operator must notify appropriate State and local authorities that the facility is in compliance with the above prior to resumption of operations, in accordance with R.61-79.264.56(i).

G-4h POST-EMERGENCY EQUIPMENT MAINTENANCE

Emergency equipment listed in this Contingency Plan (see Attachment G-4) will be cleaned and fit for its intended use prior to resuming normal operations using appropriate cleaning methods and procedures. Equipment that is not reusable will be properly disposed of and be replaced. Reusable equipment such as shovels, pumps etc. will be cleaned using high pressure water or steam, inside a secondary containment area. Personal protective equipment that can be reused will be cleaned with water and an appropriate detergent.

These requirements must be met and the appropriate authorities notified before operations are resumed in the affected area(s) of the facility, in accordance with R.61-79.264.56(i).

Emergency equipment which cannot be decontaminated prior to its reuse must be replaced.

G-4i CONTAINER SPILLS AND LEAKAGE

Container spills will be handled as described in Section G-4d(1).

G-4j TANK SPILLS AND LEAKAGE

Tank spills will be handled as described in Section G-4d(1).

G-4K RAIL AREA SPILLS AND LEAKAGE

Spills at the rail area in the event the rail facility is constructed will be handled as described in Section G-4d(1).

G-5 EMERGENCY EQUIPMENT

The facility maintains a significant amount of safety and emergency equipment. This equipment includes fire extinguishers, personal protective equipment, eye wash/emergency shower stations, first aid kits, portable pumps, absorbent materials and hand tools. Attachment G-4 is a detailed list of the emergency equipment at the facility and their locations. Locations of emergency equipment are also shown in Exhibit G-1.

Personnel at the facility are trained in the proper and effective use of safety and emergency equipment. They are also instructed to maintain an awareness of the location of the nearest available equipment.

G-6 COORDINATION AGREEMENTS

The facility is required to make arrangements to familiarize the local emergency response agencies with the layout of the facility, properties of hazardous materials handled, places where plant personnel would normally be working, entrances to the facility roadways within the facility, and possible evacuation routes.

R.61-79 264.37(a)(4) requires the facility "familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of injuries or illnesses which could result from fires, or releases at the facility".

Safety-Kleen has sent a copy of the Contingency Plan to the police and fire departments as well as the local hospital and the SCDHEC emergency response group plus invited them to visit the plant and discuss its operation in greater detail. A copy of that correspondence is included in Attachment G-5.

G-7 EVACUATION PLAN

In an uncontrolled emergency, all persons are to be evacuated from the area using evacuation routes illustrated in Exhibit G-1. The facility paging system and telephone system will be used to notify all personnel at the facility of the emergency. Process operators are trained in emergency shutdown of process units and pumps. Each process must always be shut down before an evacuation unless this would endanger personnel safety. During evacuation, a check must be made to ensure all personnel are accounted for and out

of the danger area. On-site building and plant evacuation routes and assembly area are illustrated in Exhibit G-1. Each supervisor will count their people in the assembly area to be sure everyone is accounted for. Facility visitors and contractors will be accounted for by the Emergency Coordinator or designee by way of facility sign in logs.

G-8 REQUIRED REPORTS

All emergencies are recorded and maintained as part of the operating record. Spills or incidents are recorded on an electronic report form such as that shown in Attachment G-3 and filed as required. A spill, if of a minor or controllable nature will not necessarily require implementation of the Contingency Plan. The Emergency Coordinator will determine if the incident warrants Contingency Plan implementation. If the spill takes place while the hazardous material is being transported, then the report form such as that shown in Attachment G-3 and filed as required. The attached Report Forms are examples only for illustration purposes only. Format may vary, but the general content will always be present.

Within fifteen days of implementation of the Contingency Plan a written report of the event will be submitted to the SCDHEC and will include:

- Name, address and phone number of owner or operator;
- Name, address and phone number of facility;
- Date, time and type of incident;
- Name and quantity of material (s) involved;
- The extent of injuries or possible hazards to human health or environment outside of the facility, if any;
- The estimate of quantity and disposition of hazardous material that resulted from incident;
- Assessment of actual and potential hazards to human health or to the environment, where this is applicable;

G-9 PREPAREDNESS AND HAZARD COMMUNICATION

Personnel are trained to recognize and prevent potential emergency situations and are ready and prepared for such situations, so that minor incidents will not become major emergencies.

The facility has identified the most likely types of incidents and emergencies. The most likely occurrence in an operation as this one is a solvent spill. The most likely situations where a spill would occur include:

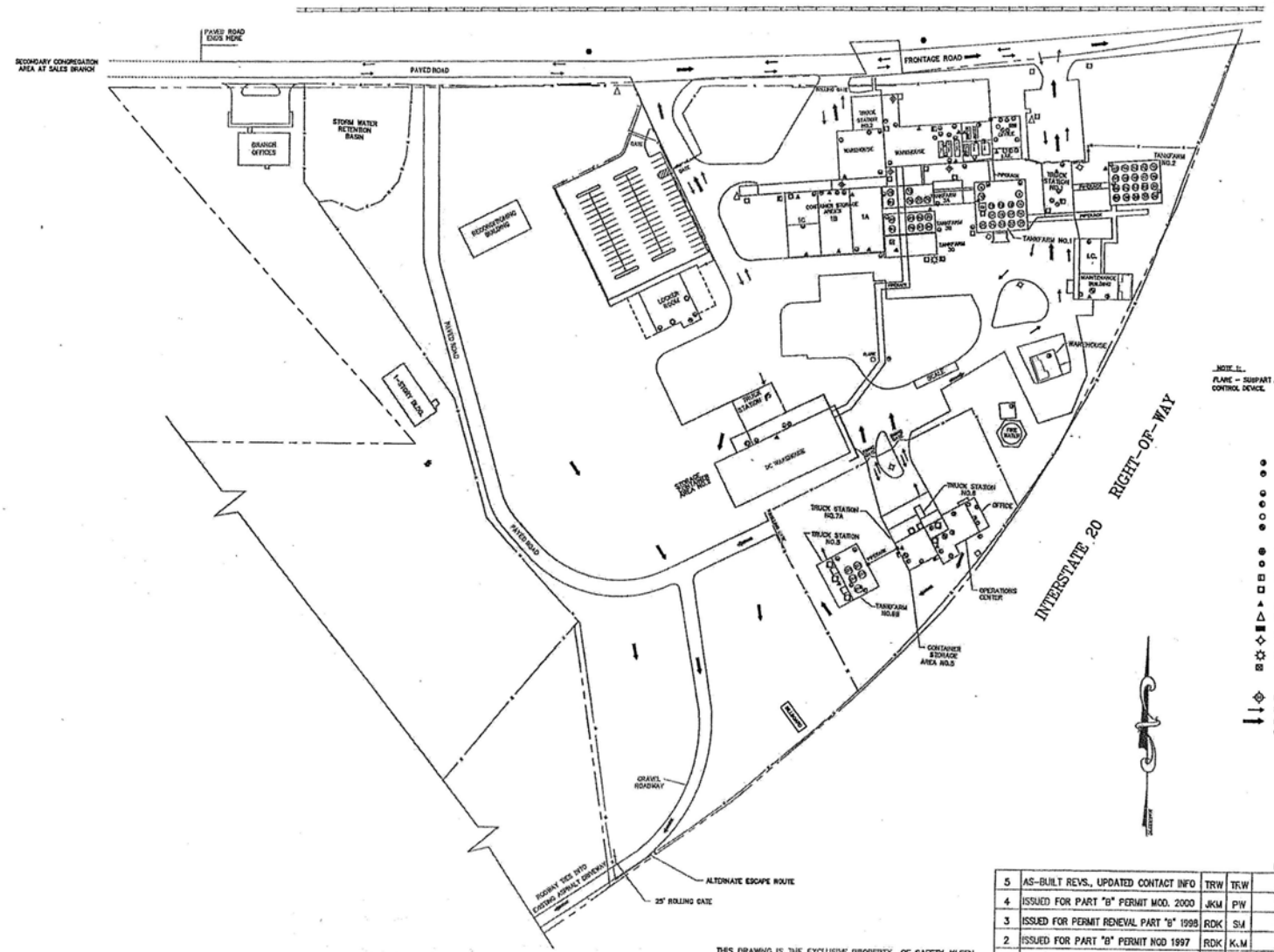
- Bulk loading or unloading operations;
- Handling of containers;
- Leaking hoses, pipes or vessels; and
- Leaking containers in storage or in transport vehicles.

Other potential emergency situation(s) include fires.

The facility operating procedures are oriented toward awareness of potential problem situations and their prevention. Common-sense requirements, such as smoking only in designated areas, wearing personal protective equipment, and frequent inspections are included in the facility's preventive measures. (See section F for details of inspections).

Personnel awareness of the materials handled at the facility is required by OSHA and is of prime importance. Material Safety Data Sheets for the chemicals handled on site are made available to the employees who are trained in their use. Further, each employee is trained in proper handling of the materials and hazards associated with them. A more detailed description of the Training Programs may be found in Section H.

NORFOLK SOUTHERN RAILWAY



NOTE 1:
FLARE – SUSPART AA PROCESS EMISSION CONTROL DEVICE.

LEGEND

- DRY CHEMICAL FIRE EXTINGUISHER – HAND HELD TYPE (10# ABC)
- DRY CHEMICAL FIRE EXTINGUISHER –CART TYPE W/150# CHARGE BOTTLE (150# ABC)
- DRY CHEMICAL FIRE EXTINGUISHER –HAND HELD TYPE (20# ABC)
- DRY CHEMICAL FIRE EXTINGUISHER – HAND HELD TYPE (5#)
- CARBON DIOXIDE (10#)
- FIRST-AID KIT
- FIRE HYDRANT
- TELEPHONE
- EMERGENCY RESPONSE BOXES ALSO CONTAINS SPILL KITS
- ABSORBENT DRUMS
- EMERGENCY EYE WASH AND SHOWER
- STORM DRAIN WITH SLUICE GATE
- FIRE BLANKET & STRETCHER
- FIRE SUPPRESSION WATER CANONS
- 125# AFFF WHEELED 8x
- SME UNIT
- FIRE HOSE
- EXIT
- EMERGENCY EVACUATION ROUTES (LOCATIONS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY)

REF. EXHIBIT G-1

EXHIBIT 5-1

DF-E9201085

NO.	DESCRIPTION	BY	CK.	APPR.	DATE
5	AS-BUILT REVS., UPDATED CONTACT INFO	TRW	TRW		6/12/96
4	ISSUED FOR PART "B" PERMIT MOD. 2000	JKM	PW		2/07/01
3	ISSUED FOR PERMIT RENEVAL PART "B" 1998	RDK	SM		2/20/98
2	ISSUED FOR PART "B" PERMIT MOD 1997	RDK	KJM		2/20/97
1	ADDED NEW PROPERTY AQUISITION	M.O'C	KJM		3/25/93
0	NEW RELEASE	RDK	KJM		1/28/92

REVISIONS

EXISTING EMERGENCY EQUIPMENT LOCATION, TRAFFIC FLOW AND EVACUATION ROUTES

SAFETY-KLEEN CORP.

1500 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR.	DATE
1" = 80'	RDK				5/11/90

LEXINGTON, S.C. RECYCLE CENTER

DRAWING NO. 92-6300B-010 REV 5

ATTACHMENT G-1

WASTE CODES ACCEPTED

8700-12 Section 10. B							
D001	D028	F019	K014	U009	U083	U191	P013
D002	D029	F022	K015	U019	U084	U196	P014
D003	D030	F024	K016	U031	U107	U210	P015
D004	D032	F026	K019	U037	U108	U211	P016
D005	D033	F027	K022	U043	U110	U226	P017
D006	D034	F028	K029	U044	U112	U227	P018
D007	D035	F037	K030	U051	U113	U228	P020
D008	D036	F038	K031	U052	U117	U239	P021
D009	D037	F039	K048	U055	U118	U359	P022
D010	D038	K002	K049	U056	U121	P001	P023
D011	D039	K003	K050	U057	U125	P002	P024
D016	D040	K004	K051	U068	U140	P003	P026
D018	D041	K005	K052	U069	U154	P004	P027
D019	D042	K006	K085	U070	U159	P005	P028
D021	D043	K007	K086	U071	U161	P006	P029
D022	F001	K008	K095	U072	U162	P007	P030
D023	F002	K009	K096	U075	U165	P008	
D024	F003	K010	U001	U077	U169	P009	
D025	F004	K011	U002	U078	U171	P010	
D026	F005	K012	U003	U079	U178	P011	
D027	F006	K013	U004	U080	U188	P012	

8700-12 Hazardous Secondary Material Addendum Section 2. B						
D001	D025	D042	K014	U001	U071	U159
D004	D026	D043	K015	U002	U072	U161
D005	D027	F001	K016	U003	U075	U162
D006	D028	F002	K019	U004	U077	U165
D007	D029	F003	K022	U009	U078	U169
D008	D030	F004	K029	U019	U079	U171
D009	D032	F005	K030	U031	U084	U178
D010	D033	K002	K048	U037	U107	U211
D011	D034	K003	K049	U044	U108	U226
D016	D035	K004	K050	U051	U110	U359
D018	D036	K005	K051	U052	U112	
D019	D037	K008	K052	U055	U113	
D021	D038	K009	K085	U057	U117	
D022	D039	K010	K086	U068	U125	
D023	D040	K011	K095	U069	U140	
D024	D041	K013	K096	U070	U154	

ATTACHMENT G-2

EMERGENCY CONTACT INFORMATION

Attachment G-2

Emergency Coordinators

Eddie Hook	Primary	(803) 513-3585 Cell	(803) 767-3519 Home
Steve Hopkins	Alternate	(803) 767-2481 Cell	(803) 995-0427 Home
Mitch Johnson	Alternate	(803) 608-4985 Cell	(803) 673-1094 Home

Emergency Notification Telephone Numbers

S-K Emergency Response (24-hour number)	800-468-1760
National Response Center	800-424-8802
S.C. Dept. of Health & Environmental Control	888-481-0125
Lexington County Emergency Preparedness Division	(803) 785-8342/8141
SCDHEC Emergency Response Commission	(803) 737-8500

In Case of Emergency

Dial **9-911** for outside assistance Dial **5959** for All Page

Location: Safety-Kleen Systems, Inc. 130-A Frontage Road Lexington, S.C. 29073
(US Hwy. #1 @ Dooley Road)
Phone Number You Are Calling From: 803-356-4061
What Happened: Fire, Explosion, Spill, Injury, etc.
What Is Being Done for Victims: First Aid, CPR, Remove to Fresh Air
Do Not Hang Up Unless: The person you called hangs up first or you must evacuate the area you are calling from.

Local Emergency Responders to be Notified for Assistance

	Phone
Lexington Sheriff Department 521 Gibson Road; Lexington, SC 29072	**911**
Oak Grove Fire Department 447 Oak Drive; Lexington, SC 29072	**911**
Ambulance Service 212 South Lake Drive, Lexington, SC 29072	**911**
Lexington County Hospital 2720 Sunset Boulevard, Lexington, SC 29072	(803) 791-1400
Poison Control Center College of Pharmacy USC, Columbia, SC 29208	(803) 765-7359

ATTACHMENT G-3

EXAMPLE SPILL/INCIDENT REPORT FORM

Incident

Form Code: 7

Incident Header	
Incident Number	
Incident Date	
Incident Location	
Incident State/Province	
Reported By Employee ID	
Incident Owner Employee ID	
Incident Owner Branch	
Description of Incident	
Severity	
Did you verbally notify your supervisor of this incident?	
Incident Categories	
Incident Time	
Compliance Incident	
Description	
Category Severity	
Is this a PSM/RMP Incident (US Only)	
Reaction	
Description	
Type Severity	
Material Involved	
Profile Number	
Reported to an Agency?	
Agency Contact Inormation	
Outcome	
Release?	

If yes, complete release Section	
Contingency Plan Activated	
Additional comments/concerns	
Eyewitnesses	
Media Interest	
Release	
Description	
Release	
Description	
Description of material released	
Material reference documents (profile/shipping document)	
Material Released	
Volume of material released (specify units)	
Did release escape containment?	
Duration of Release (specify units)	
Physical State	
Did release escape containment	
If outside containment, what was impacted?	
Volume of release	
Contingency Plan Activated	
Time of Release	
Weather Conditions	
Explain immediate actions taken to control the release	
Release exceeded a reportable quantity?	
Weather conditions at time of release	
Did release escape containmnet	
Immediate actions taken to address the release	
Agency Contact Information	
If outside containment, what was impacted	

Reported to an Agency	
Agency Contact Infomration	
Explain immediate actions taken to control release	
Additional comments/concerns	
Type Severity	
Container Failure	
Description	
Type of Container	
Type Severity	
Outcome	
Explain immediate actions taken	
Reported to an Agency	
Agency Contact Information	
Material Released?	
If material released, complete Release Section of form	
Contingency Plan Activated	
Additional comments/concerns	
Air Emission	
Description of events	
Type Severity	
Material Description	
Outcome	
Weather Conditions	
Volume of Material Released	
Time of Release	
Duration of Release (specify units)	
Reported to an Agency	
Agency Contact Information	
Contingency Plan Activated	

Reference Documents (Profile, shipping papers, etc.)	
Explain immediate actions taken to contain the release	
Additional comments/concerns	
Fire	
Description of events	
Duration of fire	
Outcome	
Fire Department responded	
Contingency Plan Activated	
Reported to an Agency	
Agency Contact Information	
Material released during fire	
If material released, complete Release Section of form	
Off-site impacts	
Media Interest	
Additional comments/concerns	
Type Severity	
Release	
Description	
Description of material released	
Material reference documents (profile/shipping document)	
Volume of material released (specify units)	
Physical State	
Duration of Release (specify units)	
Did release escape containment	
Contingency Plan Activated	
Time of Release	
Release exceeded a reportable quantity?	

Explain immediate actions taken to control the release	
Immediate actions taken to address the release	
Weather conditions at time of release	
Reported to an Agency	
Agency Contact Information	
Additional comments/concerns	
Type Severity	
If outside containment, what was impacted	
Release	
Description	
Description of material released	
Material reference documents (profile/shipping document)	
Volume of material released (specify units)	
Duration of Release (specify units)	
Release exceeded a reportable quantity	
Physical State	
Did release escape containment	
Contingency Plan Activated	
If outside containment, what was impacted?	
Time of Release	
Weather Conditions	
Explain immediate actions taken to control the release	
Immediate actions taken to address the release	
If outside containment, what was impacted	
Reported to an Agency	
Agency Contact Information	
Additional comments/concerns	
Type Severity	
Explain immediate actions taken to control	

release	
Equipment Failure	
Description	
Type Severity	
Outcome	
Est Extent of Damage	
Replacement equipment required	
Was there a release?	
If release occured, complete Release Section of Form	
Additional comments/concerns	
Release	
Description	
Description of material released	
Material reference documents (profile/shipping document)	
Volume of material released (specify units)	
Physical State	
Release exceeded a reportable quantity	
Duration of Release (specify units)	
Did release escape containment	
Contingency Plan Activated	
Time of Release	
Release exceeded a reportable quantity?	
Explain immediate actions taken to control the release	
Immediate actions taken to address the release	
Weather conditions at time of release	
Reported to an Agency	
Agency Contact Infomration	
Additional comments/concerns	
Type Severity	

If outside containment, what was impacted?	
Internal/External Notifications	
Direct Manager notified	
If yes, to whom	
Transportation Compliance notified	
Trans Compliance Specialist notified	
24 hour Emergency Response Operator notified	
Response Team Activated	
if yes, identify response team	
If Internal Response Team, Identify Primary Contact	
If 3rd Party or Local Response Team, Identify	
Law Enforcement Notified	
If Yes, Identify Agency Notified	
If Yes, Enter Report Number Provided	
Fire/EMS Notified	
If Yes, Identify Agency Contacted	
If Yes, Enter Report Number Issued	
State Environmental Agency Notified	
If Yes, Identify Agency & Contact	
If Yes, Provide Report Number Assigned	
National Response Center/Transport Canada Contacted	
If Yes, Provide Report Number	
Customer material being transported	
If yes, identify customer	
If yes, customer notified	
Name and Contact Information of Customer	
Identify who contacted customer	
Time and date of notification	
Media Coverage	

If yes, identify media outlets	
Estimate Material Loss if Applicable	
Estimate Carrier Damage	
Estimate Property Damage	
Estimate Response Cost	
Estimate Remediation/Cleanup Cost	
Description of Event & Package Failure	
Corrective Action Plan	
Describe Recommendatins/Actions Taken to Prevent a Recurrence	
MTI Scheduled	
If yes, MTI team lead	
Date MTI Completed	
Recommended program changes and/or enhancements	
Employee Warning Notice Issued	
If Yes, Identify Action Taken	
Incident Footer	
Images	
Signature	
Document Upload	
Incident Owners should ensure the following	
1. Has the Incident Owner made the proper internal and/or external notifications of the Incident to applicable levels of management, Health & Safety, Compliance, Trans Compliance.	
2. Has the Incident Owner uploaded all the relevant information and evidence such as pictures, written statements, emails and medical note/visits (Please note to redact employee's information like SSN# and personal address from any document).	
3. Has the Incident Owner determine the applicable incident classification and severity level(s) as per Company's Severity Index.	
4. Has the Incident Owner investigated the incident and perform the casual analysis, completing the Management Team Investigation (MTI) section.	
5. Has the Incident Owner established the effective measures including the assignment of work tickets for corrective action in IMS.	

ATTACHMENT G-4

EMERGENCY EQUIPMENT LIST

ATTACHMENT G-4

EXAMPLE EMERGENCY EQUIPMENT LIST RECYCLE CENTER

A. Equipment Description and Location

Fire Extinguishers (All extinguishers are full & carry an inspection tag).

Number	Location	Size	Type
1	Tanker Tunnel; Doorway	20#	ABC Dry Chemical
2	Tanker Tunnel; Platform	20#	ABC Dry Chemical
4	Tank Farm 2; West Wall	20#	ABC Dry Chemical
5	Tank Farm 2; NE Corner	20#	ABC Dry Chemical
6	Tank Farm 2; East Wall	20#	ABC Dry Chemical
7	Tank Farm 1; East Wall	20#	ABC Dry Chemical
8	Tank Farm 1; West Wall	20#	ABC Dry Chemical
9	Tank Farm 1; NW Corner	20#	ABC Dry Chemical
10	Still Room; Doorway @ office	20#	ABC Dry Chemical
11	Still Room; Rollup Door	20#	ABC Dry Chemical
12	Still Room; 2nd level N Wall	20#	ABC Dry Chemical
13	Still Room; 3rd level LUWA	20#	ABC Dry Chemical
14	Still Room; Outside Rollup Door	150#	ABC Dry Chemical
15	Cooker Whse; L Cooker Platform	20#	ABC Dry Chemical
16	Cooker Whse; Wall @ MCC Door	20#	ABC Dry Chemical
17	Cooker Whse; S Wall @ Rollup Door	20#	ABC Dry Chemical
18	Cooker Whse; Top of Steps MCC	20#	ABC Dry Chemical
19	Cooker Whse; Top Cooker Platform	20#	ABC Dry Chemical
20	Cooker Whse; Outside Air Compress	20#	ABC Dry Chemical
21	Cooker Whse, Inside Air Comp Rm	20#	CO_2
22	Cooker Whse; Truck Loading Dock	20#	ABC Dry Chemical
23	Cooker Whse, SW Rollup Door	20#	ABC Dry Chemical
24	Cooker MCC Office/Computer Rm	20#	CO_2
25	Cooker MCC Exit Door North Wall	20#	ABC Dry Chemical
26	DC Returns Warehouse (FKA IC Warehouse); East Personnel Door	20#	ABC Dry Chemical
27	DC Returns Warehouse (FKA IC Whse); East Rollup Door	20#	ABC Dry Chemical
28	DC Returns Warehouse (FKA IC Whse); Steps to Mezzanine	20#	ABC Dry Chemical
29	Tank Farm 3A; MW Corner	20#	ABC Dry Chemical
30	Tank Farm 3A; SE Corner	20#	ABC Dry Chemical
31	Tank Farm 3C; North Wall	20#	ABC Dry Chemical
32	Tank Farm 3C; East Area	125#	AFFF
33	Drum Shed 1; South Wall	20#	ABC Dry Chemical
34	Drum Shed 2; South Wall	20#	ABC Dry Chemical
35	Drum Shed 2; North Column	20#	ABC Dry Chemical
36	Drum Shed 3A; North Area	150#	ABC Dry Chemical

37	Drum Shed 3B; North Wall	20#	ABC Dry Chemical
38	Locker Rm; Women Work Side Emer. Dr	20#	ABC Dry Chemical
39	Locker Rm; Women Work Side Door	20#	ABC Dry Chemical
40	Locker Rm; Men Work Side Emer. Door.	20#	ABC Dry Chemical
41	Locker Rm; Men Home Side Emer. Door.	20#	ABC Dry Chemical
42	Locker Rm; Alcove Area	20#	ABC Dry Chemical
43	Locker Rm; Upstairs Foyer	20#	ABC Dry Chemical
44	Locker Rm; Lunch Room	20#	ABC Dry Chemical
45	PB2; MCC Room	20#	CO_2
46	PB2; Air Compressor Room	20#	ABC Dry Chemical
47	PB2; Dock Steps	20#	ABC Dry Chemical
48	PB2; Wall @ Middle Module	20#	ABC Dry Chemical
49	PB2; Wall @ Middle Module	150#	ABC Dry Chemical
50	DC Warehouse Rollup Door	20#	ABC Dry Chemical
51	DC Warehouse West Steps	20#	ABC Dry Chemical
52	DC Warehouse North Wall	125#	Purple K
53	Middle Module; East Steps	20#	ABC Dry Chemical
54	GC; Inside Personnel Door	20#	ABC Dry Chemical
55	GC; West Wall	20#	ABC Dry Chemical
56	Flare @ PB2	150#	ABC Dry Chemical
57	Pump House; Inside Door	20#	ABC Dry Chemical
58	Old Maint Shop; Inside Door	20#	ABC Dry Chemical
62	Maint Shop; Office	20#	ABC Dry Chemical
63	Maint Shop; Personnel Door	20#	ABC Dry Chemical
65	Tanker Tunnel; Doorway South End	150#	ABC Dry Chemical
66	Yard Tractor	2.5#	ABC Dry Chemical
72	S-K Pickup; Inside Driver Door	2.5#	ABC Dry Chemical
74	Lab; Inside Door	20#	CO_2
75	Office; Beside Cabinets	20#	ABC Dry Chemical
76	Office; Doorway into Hall	20#	ABC Dry Chemical
77	Boiler Room; Beside Door to Office	20#	ABC Dry Chemical
78	Tank Farm 6B	20#	ABC Dry Chemical
79	Tank Farm 6B	20#	ABC Dry Chemical
80	Tank Farm 6B	20#	ABC Dry Chemical
81	Tank Farm 6B	20#	ABC Dry Chemical
82	Operations Center	10#	ABC Dry Chemical
83	Operations Center	10#	ABC Dry Chemical
84	Operations Center	10#	ABC Dry Chemical
85	Operations Center	10#	ABC Dry Chemical
86	Operations Center	20#	ABC Dry Chemical
87	Operations Center	20#	ABC Dry Chemical
88	Operations Center	20#	ABC Dry Chemical
89	Operations Center	20#	ABC Dry Chemical

Note: PB2 is the same as container storage area 2.

Item	Equipment Capability
Absorbent (Spill Control)	Drums of absorbent are stored in the drum shed & in other process areas.
Absorbent pads (spill control)	In the wheeled carts located at the DC warehouse, tanker tunnel, still room, and maintenance
Telephone System	(24) mounted internal/external communications.
intercom System	Located in the office & all process areas.
Shovels, Brooms, & Squeegees (Spill Control)	Spreading and removal of absorbent.
Water Hoses (Water for Fire Control & Decontamination)	Source of water is a 250 M gal. storage tank and city water.
Fire hydrant (3)	Located on the road frontage of Safety-Kleen property
Internal Communications	Two-way radios and facility phone system
Safety Equipment: (Spill Control) Gloves, Goggles, rubber aprons, or PPE tyveks	In spill cabinets located inside tanker truck station #1, west of container storage area 1C, truck station #11, PB2, Cooker warehouse.
Oxygen Unit	One is in the office hallway at the still room. One is in the employee locker room.
IME vessel	Portable unit used for spill clean-up
First Aid Kit	Located in the locker room & office hall way, Maintenance and PB2

Item	Equipment Capability
Stretcher	Located in office hallway and PB2.
Spill containment sluice	located at the office parking area, end of drum sheds, corner of lot NE.
Fire Blanket	DC Warehouse, office hallway.
Overpack Containers	Located in Distribution Center Warehouse
Emergency Response Boxes	Contents: Hard hats, first aid supplies, hand tools, chemical protective coveralls, chemical protective gloves, shovels, squeegees, absorbent materials-pads or booms, half-mask respirators, respirator cartridges, chemical goggles, floor brooms, rain suits, pails. Truck station #1, west of container storage area 1 C, truck station #11, PB2, Cooker warehouse.
2-inch Diaphragm pump	At least one available for use in the container storage area and process areas
Alarm Pull Locations	At least one in every process area and container storage area
Safety Shower, Eye Wash and Emergency Stands	Locations throughout the plant where employees are vulnerable to being splashed

Number	Location	Unit
1	Tank Farm 2 NW Corner	Shower/Eye Wash
2	Tanker Tunnel	Shower/Eye Wash
3	Still Room	Shower/Eye Wash
4	Boiler Room	Eye Wash/Drench Hose
5	Cooker MCC	Eye Wash/Drench Hose
6	Cooker South Rollup Door	Eye Wash/Drench Hose
7	Cooker North Wall	Eye Wash/Drench Hose
8	Cooker Southwest Wall	Eye Wash/Drench Hose
11	DC Returns Warehouse (FKA IC Whse) Northwest Wall	Shower/Eye Wash/Drench Hose
12	DC Returns Warehouse (FKA IC Whse) Southwest Wall	Shower/Eye Wash/Drench Hose
13	Drum Shed 1 North	Shower/Eye Wash
14	Drum Shed 1 South	Shower/Eye Wash
15	Drum Shed 2 South	Shower/Eye Wash
16	Drum Shed 3B	Shower/Eye Wash
17	Drum Shed 2 North	Shower/Eye Wash
18	Drum Shed 3A	Shower/Eye Wash
19	Tank Farm 3A Southeast	Shower/Eye Wash
20	Tank Farm 3C	Shower/Eye Wash
21	Tank Farm 1 West	Shower/Eye Wash
22	Maintenance Shop	Eye Wash/Drench Hose
23	DC Whse Northeast	Shower/Eye Wash
24	DC Whse West	Shower/Eye Wash
25	DC Whse North	Shower/Eye Wash
26	DC Whse West	Shower/Eye Wash/Drench Hose
27	DC Whse Northwest	Shower/Eye Wash/Drench Hose
28	DC Whse	Shower/Eye Wash/Drench Hose
29	Lab	Eye Wash/Drench Hose
30	Tank Farm 6B	Eye Wash
31	Operations Center	Shower/Eye Wash
32	Operations Center	Shower/Eye Wash
33	Operations	Shower/.Eye Wash

ATTACHMENT G-5

EXAMPLE COORDINATION AGREEMENTS

Date:

Submitted Via Federal Express

Lexington County Sheriff Department
521 Gibson Road
Lexington, SC 29072

Re: Contingency Plan – Coordination Agreement
Safety-Kleen Systems, Inc. – Lexington Recycle Center
EPA ID#: SCD070995488

To Whom it May Concern:

Please find attached a copy of the Contingency Plan for the Safety-Kleen Systems, Inc. – Lexington Recycle Center located at 130-A Frontage Road, Lexington, SC 29073. The plan outlines procedures the facility will implement in the event of an emergency. Please note the facility would like to ensure the noted entity has the capability and will assist in the event of an emergency. Please contact me should that not be possible.

If you have any questions concerning this matter, please do not hesitate to contact me at (803) 520-2882 or by email at eddie.hook@safety-kleen.com.

Sincerely,

John Hook
Facility General Manager
Safety-Kleen Systems, Inc.

Date:

Submitted Via Federal Express

Oak Grove Fire Department
447 Oak Drive
Lexington, SC 29072

Re: Contingency Plan – Coordination Agreement
Safety-Kleen Systems, Inc. – Lexington Recycle Center
EPA ID#: SCD070995488

To Whom it May Concern:

Please find attached a copy of the Contingency Plan for the Safety-Kleen Systems, Inc. – Lexington Recycle Center located at 130-A Frontage Road, Lexington, SC 29073. The plan outlines procedures the facility will implement in the event of an emergency. Please note the facility would like to ensure the noted entity has the capability and will assist in the event of an emergency. Please contact me should that not be possible.

If you have any questions concerning this matter, please do not hesitate to contact me at (803) 520-2882 or by email at eddie.hook@safety-kleen.com.

Sincerely,

John Hook
Facility General Manager
Safety-Kleen Systems, Inc.

Date:

Submitted Via Federal Express

Ambulance Service
212 South Lake Drive
Lexington, SC 29072

Re: Contingency Plan – Coordination Agreement
Safety-Kleen Systems, Inc. – Lexington Recycle Center
EPA ID#: SCD070995488

To Whom it May Concern:

Please find attached a copy of the Contingency Plan for the Safety-Kleen Systems, Inc. – Lexington Recycle Center located at 130-A Frontage Road, Lexington, SC 29073. The plan outlines procedures the facility will implement in the event of an emergency. Please note the facility would like to ensure the noted entity has the capability and will assist in the event of an emergency. Please contact me should that not be possible.

If you have any questions concerning this matter, please do not hesitate to contact me at (803) 520-2882 or by email at eddie.hook@safety-kleen.com.

Sincerely,

John Hook
Facility General Manager
Safety-Kleen Systems, Inc.

Date:

Submitted Via Federal Express

Lexington County Hospital
2720 Sunset Boulevard
Lexington, SC 29072

Re: Contingency Plan – Coordination Agreement
Safety-Kleen Systems, Inc. – Lexington Recycle Center
EPA ID#: SCD070995488

To Whom it May Concern:

Please find attached a copy of the Contingency Plan for the Safety-Kleen Systems, Inc. – Lexington Recycle Center located at 130-A Frontage Road, Lexington, SC 29073. The plan outlines procedures the facility will implement in the event of an emergency. Please note the facility would like to ensure the noted entity has the capability and will assist in the event of an emergency. Please contact me should that not be possible.

If you have any questions concerning this matter, please do not hesitate to contact me at (803) 520-2882 or by email at eddie.hook@safety-kleen.com.

Sincerely,

John Hook
Facility General Manager
Safety-Kleen Systems, Inc.

Date:

Submitted Via Federal Express

Poison Control Center
College of Pharmacy
USC
Columbia, SC 29208

Re: Contingency Plan – Coordination Agreement
Safety-Kleen Systems, Inc. – Lexington Recycle Center
EPA ID#: SCD070995488

To Whom it May Concern:

Please find attached a copy of the Contingency Plan for the Safety-Kleen Systems, Inc. – Lexington Recycle Center located at 130-A Frontage Road, Lexington, SC 29073. The plan outlines procedures the facility will implement in the event of an emergency. Please note the facility would like to ensure the noted entity has the capability and will assist in the event of an emergency. Please contact me should that not be possible.

If you have any questions concerning this matter, please do not hesitate to contact me at (803) 520-2882 or by email at eddie.hook@safety-kleen.com.

Sincerely,

John Hook
Facility General Manager
Safety-Kleen Systems, Inc

Table of Contents
Section H

H PERSONNEL TRAINING

This Training Plan has been developed to document compliance with the requirements of R.61-79 264.16 and in accordance with R.61-79.270.14(b)(12). It outlines the introductory and continuing training programs implemented by facility management to ensure Safety-Kleen employees operate and maintain the facility in a safe and environmentally sound manner. It also describes how this training is tailored to actual job tasks assigned to the employees. The plan has been designed to provide a general outline of the training program, and is not intended to provide a complete list of all job titles, positions, and employees at the facility, but rather to provide information of the training provided to the various categories of employees. Detailed information on employees, training records, and job descriptions is maintained in the facility offices.

H-1 OUTLINE OF THE TRAINING PLAN

Employees are trained to implement safe work practices and given specific instructions with respect to workplace hazards unique to the employee's job assignment. Employees receive both on-the-job and classroom training. Job descriptions for Employees are contained in Attachment H-1.

New employees will receive training within six months and will not work unsupervised all training is completed. Continuing training will also be provided for employees who are transferred or promoted to a new position in the facility.

Employees have available a chemical description and/or a Material Safety Data Sheet (OSHA Form 20) for the products they are handling. The information on these sheets is also necessary in the case of a spill or an emergency.

The Safety-Kleen closed loop system consists of Mineral Spirits Parts

Cleaner Solvent. In June of 2010 Safety-Kleen transitioned to one solvent, it premium gold solvent. The most important feature of this solvent is that its flashpoint is at least 142^{o}F. However, waste codes associated with this waste stream vary from year to year according to the annual waste re-characterization program conducted as part of the waste analysis program.

Additional industrial solvents are handled at the facility may include but not limited the chemicals listed by US EPA as F001, F002, F003, F004, and F005.

The program developed at Safety-Kleen for the training of their employees in the safe handling of hazardous wastes is administered by the Environmental, Health and Safety manager, and site operations management. Instruction includes combined classroom/on-the-job training. Training includes instruction which teaches facility employees hazardous waste management procedures. They are instructed on procedures for properly handling products and waste as well as general first aid.

The facility manager, distribution center manager, and the branch manager are kept informed of current regulations by the Safety-Kleen Systems, Inc. Environment, Health and Safety Compliance Department. Applicable regulatory information on hazardous waste handling, processing and storage are explained to personnel. Personnel are to be informed of safe operating and correct procedures before handling hazardous materials and wastes.

Personnel are informed regarding the hazards associated with each waste (e.g., ignitable) and taught proper responses to spills, fire, or accidents. Applicable personnel are instructed on inspection procedures, required recordkeeping (waste tracking, manifests, inspections, etc.) required reports (annual, fires, and explosions, etc.) and manifesting, prepackaging and labeling.

Classroom training requires the delivery of educational materials to site employees specific to their function. Examples of site specific plans/procedures include, but are not limited to: the Contingency Plan, operating plan, inspection procedures,

waste analysis requirements, and federal and state regulations.

All educational material is reviewed in-class with the instructor to ensure adequate understanding and demonstrable competency. The instructor questions trainees for satisfactory comprehension and, if required, will cover and review instructional materials until adequate competency is demonstrated.

H-1a JOB TITLES AND DUTIES

The Lexington Recycle Center currently classifies employees into the following positions:

Facility Manager RC & DC

Manager RC Operations 1

Processing Operator Lead

Senior Processing Operator Sr

Operations Specialist 2

Lead Maintenance Mechanic

Lab Manager

Senior Lab Analyst

Administrative Staff (e.g. Administrative Manager, Manifest Clerk 1)

The Lexington Service Center classifies employees into the following positions:

Branch General Manager (BGM)
Customer Service Manager (CSM)
Material Handler (MH)
Market Sales Specialist (MSS)
Oil Sales and Service Representative (OSSR)
Vac Sales and Service Representative (VSSR)
Sales and Service Representative (SSR)
Sales and Service Associate (SSA) Branch Administrator

The Lexington Distribution Center classifies employees into the following positions:

Facility Manager
Operations Supervisor
Inventory Analyst
Administrative Staff (e.g. Office Coordinator, Manifest Clerk, etc.)
Warehouse Worker

The position descriptions and qualification requirements for the personnel of the Lexington facilities are included as Attachment H-1 to this Training Plan. Names of employees and current job assignments within these categories are not provided, as these are details subject to change as plant operational and personnel needs change. This information is available in the employee records. Should the position titles change, a cross reference list will be maintained at the facility to identify applicable training requirements for site personnel.

H-1 b TRAINING CONTENT, FREQUENCY, AND TECHNIQUES

In accordance with R.61-79 274.16(b), new employees receive on-the-job training or classroom training within six months of initial employment. Also, employees who are transferred or promoted to new positions receive the necessary training within six months. Continuing training is done for employees who are transferred to a new position in the facility. Refresher training is conducted annually. Annual training includes updates on environmental regulations, an in-depth review of the Contingency Plan, and a review of RCRA inspection criteria.

The training program is designed to provide employees with the knowledge and experience necessary to safely and efficiently conduct the tasks assigned to them, and to provide instruction and guidance regarding the equipment, procedures and systems utilized during an emergency response situation. Therefore, while prevention of accidents involving hazardous materials is foremost, timely and

appropriate, response to an accident is also an important aspect of the training program.

Some of the topics in which personnel are instructed in the classroom and on-the-job training include:

- Emergency procedures, reporting requirements;
- Using, inspecting, repairing, and maintaining emergency and monitoring equipment;
- Key parameters for feed shut-off, facility valving, and segregation of tanks;
- Communication and alarm systems;
- Response to ground water contamination incidents;
- Response to fires, spills, or explosions;
- Shutdown of operations;
- Normal operating responsibilities;
- Accident prevention; and
- Respiratory protection.

CLASSROOM TRAINING

Classroom training consists of an experienced member of management presenting information, leading a discussion, answering questions, and conducting a study in a classroom situation away from the job area. Classroom training requires instruction on plans and procedures such as: the contingency plan, operating plan, inspection procedures, waste analysis, and federal and state regulations.

ON-THE-JOB TRAINING

On-the-job training typically consists of an experienced employee supervising, who observes, counsels, and teaches a new or less experienced

employee the fundamentals of the particular job tasks assigned to that employee. This training starts at the time the employee begins work at the facility. Due to the wide variety of tasks each employee may be responsible for, it is impossible to provide a list of on-the-job training elements provided for each job title. However, each employee must be certified as able to adequately perform required job tasks before the employee is allowed to work unsupervised.

Employees have available a chemical description and/or a Material Safety Data Sheet (MSDS) (OSHA Form 20) for the products they are handling. The information on these sheets is important for safe routing/handling of chemicals, as well as for deciding on an appropriate response in an emergency. The employees are taught how to read an MSDS and where they are available at the facility.

H-1c TRAINING DIRECTOR

While experienced site employees assist in presenting this training program to the employees, the program is directed by the Safety-Kleen corporate training department and implemented by the facility manager. These people are the most experienced personnel concerning on-site operations, as well as the most knowledgeable of overall plant activities. The instructor used in each component will have had prior hazardous waste material management training and detailed training in the particular subject area.

H-1d RELEVANCE OF TRAINING TO JOB POSITIONS

Hazardous waste management procedures, including contingency plan implementation are taught to all personnel handling hazardous waste. The training program is tiered in some areas to provide training to personnel at levels that are relevant to their positions within Safety-Kleen. For example, applicable personnel are instructed on inspection procedures, required record keeping, required reports and manifesting, prepackaging and labeling.

However, other personnel are more specifically trained to maintain proper and safe operating procedures and to respond effectively in the event of an emergency.

Each employee is trained to operate and maintain the facility safely; and, to identify and understand hazards unique to his job assignment.

SERVICE CENTER TRAINING PROGRAM

Environmental compliance and training of branch employees is the responsibility of the branch general manager. It is the responsibility of his regional management to insure that the branch manager is trained and that he trains all branch personnel. The Environment, Health and Safety Department, in turn, provide a training program to be executed annually. Job descriptions for branch personnel are in Attachment H-1.

TRAINING OF NEW BRANCH MANAGERS

New branch managers are trained and mentored for several weeks before they begin their new positions. This training is both in situ and classroom modes. While being trained the new branch manager reviews all environmental records and learns the record keeping requirements for each. These records include: manifests, personnel records, training records, facility inspection records, spill reports and permits.

BRANCH MANAGER

The branch manager is ultimately responsible for the operations at the service center. The sales representatives, secretary and warehouseman report to him and he, in turn, must provide the training and materials necessary for them to execute their duties. With respect to environmental compliance, he must:

a. keep the service center clean and orderly;

b. execute or designate an employee to execute the daily inspection, keep a written log and remediate any problems;

c. know the potential hazards of the material and wastes handled on site;

d. identify potential spill and fire sources and be able to execute the contingency plan;

e. inform all employees of their environmental responsibilities;

f. notify the proper authorities during an emergency, remediate the situation to the best of his abilities, and submit necessary reports to the corporate office; and

g. maintain all environmental records (such as manifests, training records and spill reports) at the service center.

REGIONAL MANAGER

The district manager oversees the operations of several service centers in a geographic area. Branch managers report to him and he, in turn, must verify that the branch managers are operating their facilities in compliance with environmental regulations as well as Safety-Kleen's internal standards. With respect to environmental compliance, he must:

a. perform a quarterly inspection of each branch in his region to review record keeping and maintenance practice;

b. insure that an annual training session for branch managers and secretaries has been executed;

c. insure that the branch manager is training branch employees;

d. make certain that the contingency plan and remedial actions have been properly executed for any emergencies; and

e. assume the responsibilities of the branch operations in the absence of the branch manager.

ENVIRONMENT, HEALTH, AND SAFETY DEPARTMENT

Safety-Kleen's Environment, Health and Safety Department operates and reports separately from the normal branch operations and reports directly to Safety-Kleen's corporate office in Plano, Texas. The Environment, Health and Safety (EHS) Manager responsible for compliance operations are responsible for the training, permits and other compliance issues for the Lexington branch. The Department must:

a. execute training of personnel in accordance with environmental regulations and corporate policy;

b. notify the proper authorities, oversee remedial actions and submit a written report to the state after an emergency situation has occurred;

c. assure that environmental permits are submitted and updated as required; and

d. manage any environmental compliance issues which exceed the resources available at the branch or regional level.

TRAINING OF NEW BRANCH ADMINISTRATIVE STAFF

Branch administrative employees are trained in the proper record keeping procedures as soon as they begin working for Safety-Kleen. While they are not usually responsible for preparing the documentation, they must check it for accuracy and completeness and then process or file it as required. Additional training is overseen by the branch manager and is done within six months of initial employment. As described Safety-Kleen maintains a comprehensive list of work practice procedures entitled "Branch Operating Guidelines" or BOGs. They include both environmental and health and safety procedures. Each employee is required to successfully complete the appropriate BOGs for his or her job title before he or she can implement the practices in the field. Employee training status is maintained continually to ensure that all employees are trained and qualified to complete their job tasks.

TRAINING OF NEW SALES REPRESENTATIVES

New sales representatives are trained by way of the BOG process that is described above during which they are introduced to manifests, facility inspection records and training records. A sales representative may also be trained as the designee for performing the facility inspection. Additional training is in the form of a slide/tape presentation and a review of the contingency plan. The contingency plan must be reviewed with the branch manager before the sales representative formally begins his new position. All items listed in the Training Plan Outline for Branch Employees must be explained and understood within six months of initial employment.

TRAINING OF NEW MATERIAL HANDLERS

A Material Handler is trained by way of the BOG process that is described above to maintain the operations center and assist other branch employees in their tasks. He may be designated to conduct facility inspections and must be trained by the branch manager as such. Within two weeks of the material handler's initial employment, the branch manager must review the contingency plan with the new employee, and within six months, the employee must review the items listed in the Training Plan Outline for Branch Employees.

H-1e EMERGENCY RESPONSE TRAINING

The training program is designed to ensure that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency equipment, systems, and procedures.

H-2 IMPLEMENTATION OF THE TRAINING PLAN

The training program described in this plan emphasizes classroom instruction and on-the job training. Training will be successfully completed within six (6) months of initial employment or before assignment to a facility whichever comes first. Records are maintained in the facility's files that describe the training received by all current employees and all persons who have worked at the facility during the last three years.

INITIAL AND REFRESHER TRAINING

Initial training at the facility involves both classroom and on-the -job training. A complete set of 50 classroom items are taught. On-the-job training begins immediately, and the new employee is supervised by an experienced employee at all times until he/she is certified to perform the assigned tasks unsupervised. Refresher training is offered annually and concentrates on classroom work. This refresher training reviews the key points of each of the 50 items. Modifications, new techniques, experience gained (both positive and negative) are highlighted for discussion. Refresher training in on-the-job activities is deemed unnecessary due to the constant repetition of these skills during daily job performance. However, on-the-job training is provided to experienced employees performing new or advanced tasks.

Facility managers are required to keep abreast of new developments pertinent to management and operation of a hazardous waste management facility. This is accomplished through a myriad of in-house training programs, as well as a management structures developed to facilitate on-going communication. The in-house training program is developed to ensure that the plant supervisors and workers are properly trained.

The Safety-Kleen Environment, Health and Safety Compliance Department keeps the facility managers informed of current regulations through the Company's Environmental Management system. Applicable regulatory information and requirements for hazardous waste handling, processing and storage are explained to personnel.

TRAINING EVALUATION

Following each of the required BOG training lessons is included in the initial training program; each employee is documented as having completed the required training.

An employee's on-the-job training performance is evaluated by the supervisor overseeing the training. Once the supervisor determines that an employee can safely and efficiently perform a task, the employee is considered qualified and authorized to perform that task unsupervised.

DOCUMENTATION OF TRAINING

The facility maintains a listing of all job titles at the facility. Records also include:

- job title of each individual employee;
- a written job description, including job duties and requisite skills, education, or other qualifications for the position; and,
- a description of the initial and refresher training to be given to each employee filling the position.

Training records are maintained for all employees at the facility to document that the employee filling each position has the education, experience, and training required for the job title. These records include documentation of completion of the classroom lessons, on-the-job training, and annual refresher training. The records are kept in the facility's files for at least three years beyond each employee's final date of employment or until facility closure, whichever is earlier.

ANNUAL TRAINING

On an annual basis, employees are trained using a program prepared and updated annually by the Environment, Health and Safety Department. The EHS managers must ensure that the program has been executed. It includes updates on environmental regulations, an in-depth review of the

contingency plan and a review of RCRA inspection criteria.

All branch employees must annually review the items listed in the Training Plan Outline for Branch Employees. This review is in the form of videotape and slide/tape presentations and review and discussion of the storage facility permit application. In addition, periodic memoranda on changes in environmental regulations are issued by the Environment, Health and Safety Department and must be read and discussed by all regional and branch personnel.

TRAINING RECORDS

All training must be documented. The records must be kept on file at the facility or in the Safety-Kleen computer data base until closure. Employees are required to sign an attendance sheet prior to the class, to document their attendance to the annual refresher training. After successful completion of the coursework, competency is evaluated either by class discussion, or if required, through a formal examination of the material.

ATTACHMENT H-1
Job Descriptions

Safety-Kleen Systems, Inc.

Job Description

Job Title: **Sr. Sales and Service Rep**
Department: Branch Services
Reports To: Branch General Manager
FLSA Status: Exempt
Approved By: SVPHR
Approved Date: 01/29/07

Summary: The Sr. Sales & Service Rep individual is responsible for ensuring optimum customer service leading to retention and expansion of the branch business. Key responsibilities include providing work direction of customer service staff, ensuring services are completed in a timely manner, and managing customer relationships.

Essential Duties and Responsibilities include but are not limited to the following.

- Direct the branch customer service function including hiring, training, and work direction of the equipment repair specialists (ERS) and sales and service representatives (SSR).
- Direct sales and service staff in achieving customer retention, on-time service performance, and accounts receivable goals by: observing corporate operating guidelines, training and reinforcing critical service skills, and working to prevent and resolve customer service issues.
- Conduct inspections and ride-alongs with sales and service staff to ensure timely and effective servicing of customers' equipment.
- Direct branch service scheduling and logistics to ensure on-time performance for all customers by aligning territories, defining routes, and managing associated paperwork.
- Ensure ERS and SSR compliance with all applicable environmental, health, and safety (EHS) requirements by working with corporate EHS resource people to keep all training and record keeping up to date, and by monitoring daily operations to assure performance is within regulatory guidelines.
- Work with Branch General Manager (BGM) to ensure effective operation of the branch including maintenance and operation of branch fleet to company standards, assistance with branch incident alert and spill response systems, and control of branch inventory.
- Administer branch accounts receivable program to maximize collection of money at the time of service, collect on overdue accounts, and determine when to pull an account.
- Ensure that all branch customer service practices are conducted consistent with high ethical standards.

Supervisory Responsibility:
The Sr. SSR recommends hiring, training, scheduling, performance appraisal, promoting, compensation, corrective action and termination.

Education and/or Experience: High school diploma or (GED). 1-3 years' experience and/or related training.

Certificates, Licenses, Registrations: Class B CDL, Haz Mat, Air Brakes and Tankers endorsement.

Physical Demands: While performing the duties of this job, the employee must frequently stand, walk, bend, climb, use the computer, crawl, kneel, reach, squat, stoop and twist. The employee must frequently carry, lift, pull or push up to 50 pounds. The employee is constantly required to carry, lift, pull or push up to 100 pounds. The employee must constantly drive a large truck.

Work Environment: While performing the duties of this job, the employee is frequently exposed to moving mechanical parts and outside weather conditions. The employee is occasionally exposed to wet and/or humid conditions; high, precarious places; fumes or airborne particles; extreme cold; extreme heat.

Safety-Kleen Systems, Inc.

Job Description

Job Title: **OILNAC Sales and Service Rep.**
Department: Branch Sales & Service
Reports To: Branch General Manager
FLSA Status: Exempt
Approved By: SVP HR
Approved Date: 10/2/06

Summary: This position combines the Oil & Vac routes and depending on the service will require the employee to remove waste fluid our customers (VSSR Route). This involves using vacuum equipment to pump waste materials and liquid from oil-water separator pits, as well as transporting & delivering the waste material to Safety-Kleen disposal sites. Or, it will require the employee to remove, transport and deliver waste oil from customer facilities to Safety-Kleen oil recycling and refining centers (Oil Route). Reports to CSM or BGM.

Essential Duties and Responsibilities include the following. Other duties may be assigned.

- Receive manifests, labels & route schedule from office staff
- Perform Pre & Post Trip Inspection Report
- Perform route: (drive to customer location, ensure each service meets the used oil or vac waste qualifications, take sample of each oil or vac service & place in retain sample storage area, pump waste oil or waste materials & liquid from oil-water separator pits from customer facilities to Safety-Kleen oil recycling & refining centers or Safety-Kleen disposal site).
- Properly label, scan and document waste oil (oil service) or waste materials & liquids (vac service) removed from customer site into handheld. Present receipt to customer, obtain authorized signature, as well as answer any customer service issues.
- Complete end of day paperwork (any manifests, orders etc. that were not already in the handheld). Dock handheld for overnight upload.
- Ensure environmental compliance and operate vehicles in accordance with DOT, local, state and federal requirements

Sales Responsibilities:
Focus is all customer types within a particular region or territory for new and existing accounts.

Qualifications: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Education and/Or Experience: High school diploma or (GED). No experience necessary.
,,Certificates, Licenses, Registrations: CDL and Haz Mat endorsement and Tanker.
,,Competencies and Skills : Customer Service, Attention to Detail, Recognize the importance of, and adherence to, Safety regulations and policies, Time Management, Product Knowledge, Sense of Direction, Knowledge of Hazardous Waste, and Organization skills.

Physical Demands: While performing the duties of this job, the employee must frequently kneel and stoop and constantly bend, climb, reach and twist. The employee must constantly carry, lift and pull up to 50 pounds. The employee must constantly drive a large truck and occasionally move equipment. Job will use right and left hands for repetitive movement such as Simple Grasping and Pushing/Pulling. Job will use right hand for repetitive movement such as Fine Manipulation. Job will use feet for repetitive movement such as foot controls.

Work Environment: While performing the duties of this job, the employee is frequently exposed to moving mechanical parts and outside weather conditions. The employee is occasionally exposed to wet and/or humid conditions; high, precarious places; fumes or airborne particles; extreme cold; extreme heat; and risk of electrical shock.

The preceding responsibility statements are not intended to be an exhaustive list of tasks and functions for this position. Other tasks and responsibilities may be assigned as needed to fulfill the mission of the organization.

Safety-Kleen Systems, Inc.

Job Description

Job Title: **Oil Sales and Service Representative**
Department: Branch Services
Reports To: Branch General Manager
FLSA Status: Exemp/Non-Exempt
Approved By: SVPHR
Approved Date: 01/29/07

Summary: The OSSR is responsible for safely and efficiently removing, transporting and delivering waste oil from customer facilities to Safety-Kleen oil recycling and refining centers.

Essential Duties and Responsibilities include but are not limited to the following.

- Receive manifests, labels & route schedule from office staff
- Perform Pre & Post Trip Inspection Report
- Perform routine route.
- Properly label, scan and document waste oil removed from customer site into handheld. Present receipt to customer, obtain authorized signature, as well as address any customer service issues and sales opportunities.
- Complete end of day paperwork (any manifests, orders etc. that were not already in the handheld). Dock handheld for overnight upload.
- Ensure environmental compliance and operate vehicles in accordance with DOT, local, state and federal requirements

Qualifications: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required.

Education and/or Experience: High school diploma or (GED) and six months+ related experience, and/or training.

Certificates, Licenses, Registrations: Class C CDL and Haz Mat endorsement and Tanker.

Competencies and Skills: Customer Service, Attention to Detail, Recognize the importance of, and adherence to, Safety regulations and policies, Time Management, Product Knowledge, Sense of Direction, Knowledge of Hazardous Waste, and Organization skills.

Physical Demands: While performing the duties of this job, the employee must frequently sit, walk, stand, crawl or drive a truck with reasonable accommodations. The employee must frequently carry, lift, pull or push 50 pounds or more. The employee is constantly required to reach, bend, kneel, squat, climb, stoop or twist; and talk or hear. The employee must constantly drive a large truck.

Work Environment: While performing the duties of this job, the employee is frequently exposed to moving mechanical parts and outside weather conditions. The employee is occasionally exposed to wet and/or humid conditions; high, precarious places; fumes or airborne particles; extreme cold; extreme heat; and risk of electrical shock.

Safety-Kleen Systems, Inc.

Job Description

Job Title: **MSS**
Department: Sales
Reports To: District Sales Manager
FLSA Status: Exempt
Approved By: SVPHR
Approved Date: 01/29/07

Summary: The MSS will continually manage an account base outside of the ordinary service schedule. This position will also grow business internally and externally. The MSS will act as the primary point of contact for customers with questions / concerns / new business. This should be a motivated person who possesses consultative selling abilities and who is skilled at building long-term business relationships within the assigned sales territory.

Essential Duties and Responsibilities include but are not limited to the following.

- Completion of necessary paperwork (waste profiling, quotations etc).
- Communication with service, office, and warehouse staff.
- Build relationships with key buyers in territory.
- Assess current/potential business in existing accounts and create strategy to grow business.
- Analyze customer needs and design sales, customer service and account management processes to acquire and retain accounts.
- Prepare and deliver customer quotes and identify new solutions for customers
- Provide technical and sales assistance to customers.
- Serve as interface between customers and company by ensuring that customer needs are met and by handling customer complaints.
- Prepare sales plans and future period forecast's.
- Monitor and track sales plan to ensure sales quota is met; prepare regular status reports.
- Keep abreast of products, market conditions and competitive activities.

Qualifications: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required.

Education and/or Experience: Two years of college or specialized training (business or environmental) is required plus 1-3 years experience. Bachelor's degree plus coursework and certification is preferred. Alternative combinations of education and experience may be accepted in lieu of degree.

Competencies and Skills: Analytical, prioritization, organization, computer and leadership skills. Must be proficient working with spreadsheets as well as CRM software tools.

Physical Demands: While performing the duties of this job, the employee must frequently drive a car.

Safety-Kleen Systems, Inc.

Job Description

Job Title: **Material Handler**
Department: Branch Services
Reports To: Branch General Manager
FLSA Status: Exempt
Approved By: SVP HR
Approved Date: 03/26/07

Summary: The Material Handler works in the warehouse handling hazardous waste material using a forklift or other equipment.

Essential Duties and Responsibilities include but are not limited to the following.

- Loads finished product bulk shipments, and completes paperwork.
- Samples inbound bulk shipments and completes paperwork.
- Inventory and maintain loading and unloading areas.
- Prepares bulk wastes for shipment to other Safety-Kleen locations.
- Empties bulk into holding vessel.
- Washes "RCRA Empty" drums in drum washer and fills clean drums with solvent.
- Shrink wraps containerized wastes, arranging the waste on the pallet so all labels are showing, and prepares the shipment for transportation to other Safety-Kleen locations.
- Checks all trucks for proper strapping of drums and that cargo doors are closed.
- Disassembles returned parts washing machines and prepares them for shipment to the DC.
- Completes daily/weekly facility inspection required by Part B Permit or by Safety-Kleen, as assigned by the Branch Manager.
- Monitors waste quantity and storage limits and notifies the Branch Manager if limits will be exceeded within 24-48 hours so action can be taken.
- Oversees retained sample program.
- Ensure dock, warehouse and return & fill areas are cleaned and organized at all times.

Qualifications: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required.

Education and/or Experience: High school diploma and six months+ related experience, and/or training. Familiar with H.S.E. and M.S.D.S. for all product used and stored at the facility. Certified forklift operator. Certified in hazardous waste operations and emergency response.

Competencies and Skills: Customer Service, Attention to Detail, Recognize the importance of Safety, Time Management, Product Knowledge, Sense of Direction, and Organization skills.

Physical Demands: Exert up to 50 pounds of force occasionally, and/or up to 20 pounds of force frequently, and/or up to 10 pounds of force constantly to move objects. Stands and/or walks more than 4 hours a day. Hand Tools & Small Power Tools; Hand Truck/Dolly; Large Power Tools & Equipment, Forklift, Truck, Wench; Personal Protective Equipment.

Safety-Kleen Systems, Inc.

Job Description

Job Title: **Customer Service Manager**
Department: Branch Services
Reports To: Branch General Manager
FLSA Status: Exempt
Approved By: SVPHR
Approved Date: 01/29/07

Summary: The Customer Service Manager is responsible for ensuring optimum customer service leading to retention and expansion of the branch business. Key responsibilities include supervising customer service staff, ensuring services are completed in a timely manner, and managing customer relationships.

Essential Duties and Responsibilities include but are not limited to the following.

- Manage the branch customer service functions including hiring, training and supervision of the sales and service representatives (SSR).
- Manage sales and service staff in achieving customer retention, on-time service performance, and accounts receivable goals by: observing corporate operating guidelines, training and reinforcing critical service skills, and working to prevent and resolve customer service issues.
- Conduct inspections and ride-alongs with sales and service staff to ensure timely and effective servicing of customers' equipment.
- Direct branch service scheduling and logistics to ensure on-time performance for all customers by aligning territories, defining routes, and managing associated paperwork.
- Ensure SSR compliance with all applicable environmental, health, and safety (EHS) requirements by working with corporate EHS resources to keep all training and record keeping up to date, and by monitoring daily operations to assure performance is within regulatory guidelines.
- Work with Branch General Manager (BGM) to ensure effective operation of the branch including maintenance and operation of branch fleet to company standards, assistance with branch incident alert and spill response systems, and control of branch inventory.
- Administer branch accounts receivable program to maximize collection of money at the time of service, collect on overdue accounts, and determine when to pull an account.
- Ensure that all branch customer service practices are conducted consistent with high ethical standards.

Supervisory Responsibility:
The Customer Service Manager recommends hiring, training, scheduling, performance appraisal, promoting, compensation, and termination.

Qualifications: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required.

Education and/Or Experience: High school diploma or (GED). 3-5 years experience and/or related training.

Certificates, Licenses, Registrations: Class B CDL, Haz Mat, Air Brakes and Tankers endorsement.

Physical Demands: While performing the duties of this job, the employee must frequently stand, walk, bend, use the computer, reach, squat, stoop and twist. The employee must frequently carry, lift, pull or push up to 50 pounds. The employee will occasionally drive a large truck.

Work Environment: While performing the duties of this job, the employee is frequently exposed to warehouse and outside weather conditions. The employee is occasionally exposed to wet and/or humid conditions; extreme cold; extreme heat.

Safety-Kleen Systems, Inc.

Job Description

Job Title: **Branch General Manager**
Department: Branch Sales & Service
Reports To: District Manager
FLSA Status: Exempt
Approved By: SVPHR
Approved Date: 01/29/07

Summary: The Branch General Manager is responsible for financial and operational management including: financial performance against quota or budget (P & L), EH&S compliance through the Environmental Management System (EMS), and operational management of the facilities and of the human resources.

Essential Duties and Responsibilities include but are not limited to the following.

- Manage the branch operations including hiring, training, and supervision of the staff.
- Manage sales and service staff in achieving customer retention, on-time service performance, and accounts receivable goals by: observing corporate operating guidelines, training and reinforcing critical service skills, and working to prevent and resolve customer service issues.
- Conduct inspections and ride-alongs with sales and service staff to ensure timely and effective servicing of customers' equipment.
- Profit or loss of the facility(ies) by focusing on building new business relationships and maintaining existing customer bases and satisfaction.
- Prepare branch sales/service forecast and budget.
- Ensure compliance with all applicable environmental, health, and safety (EHS) requirements by working with corporate EHS resources to keep all training and record keeping up to date, and by monitoring daily operations to assure performance is within regulatory guidelines.
- Maintenance of branch fleet to company standards, assistance with branch incident alert and spill response systems, and control of branch inventory.
- Maximize collection of money at the time of service, collect on overdue accounts, and determine when to pull an account.
- Ensure that all branch customer service practices are conducted consistent with high ethical standards.

Supervisory Responsibility:
The Branch General Manager recommends hiring, training, scheduling, performance appraisal, promoting, compensation, corrective action and termination.

Qualifications: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Education and/Or Experience: Minimum of High School diploma or (GED). Bachelor's degree preferred. At least 5 years experience in a sales and service organization.

Certificates, Licenses, Registrations: Class B CDL, Haz Mat, Air Brakes and Tankers endorsement.

Physical Demands: While performing the duties of this job, the employee must frequently sit for long periods of time, use the computer, as well as occasionally lift up to 25 pounds. There will also be some occasional need for bending, kneeling, or reaching.

Work Environment: While performing the duties of this job, the employee has some exposure to warehouse as well as outside weather conditions. The employee is occasionally exposed to wet and/or humid conditions; extreme cold; extreme heat.

Safety-Kleen Systems, Inc.

Job Description

Job Title: **Automotive Sales Manager *(ASM)***
Department: Branch Sales
Reports To: Vice President Sales
FLSA Status: Exempt
Approved By: SVPHR
Approved Date: 01/29/07

Summary: The Automotive Sales Manager is responsible for supporting the Automotive Sales Professionals to ultimately build revenue, reduce customer turnover/churn and increase market share in the automotive segment. The Automotive Market Specialist (AMS), DFS (Dealer Fleet Specialist) and ASR (Automotive Sales Representative) often referred to collectively as "Automotive Sales Professionals" will focus on the automotive market segment.

Essential Duties and Responsibilities include but are not limited to the following.

- Interface with relevant groups/guilds/associations to enhance S-K brand recognition and achieve sales goals, increase market segment business awareness, ensure strong customer to SK relationships, obtain feedback on subordinates , etc. Participate in related trade shows, meetings, gatherings and activities as needed.
- Enhance effectiveness (profitability, time-to-close, market share) of Automotive market segment through creative approaches to product/service offerings and bundling using market research, customer suggestions, business partnerships, trend analysis observation, etc.
- Facilitate the price exception process while maintaining operating margin requirements
- Direct sales personnel activities including territory and quota assignment, performance management, periodic reporting etc.
- Facilitate training and develop sales force through coaching and mentoring, direct and indirect training and routine monitoring of sales personnel.
- Provide assistance to sales personnel in closing new sales, to include interacting with the technical center, the disposal group and marketing to overcome obstacles.
- Implement and train on new and existing products as warranted
- Monitoring & Evaluating Performance.
- Effective sales force staffing - planning, selection, recruiting, on-boarding.
- Developing, implementing and monitoring individual performance improvement plans, corrective action plans, business plans, and strategic marketing plans.
- Ensure sales personnel utilize customer relationship management (CRM) system to track all sales activities.
- Maintain close and active relationships with key customers
- Provide business review and strategic plan presentations to senior management as required
- Negotiating large customer contracts.
- Assisting with pricing decisions.
- Ability to travel 50 - 75%.

Qualifications:

Education and/Or Experience: A Bachelor's degree is preferred, but not required. High School degree or GED required. This position requires at least 5 years of sales experience, preferably in a route sales & service related industry.

Competencies and Skills: High level of organization, excellent written and verbal communication skills, an aptitude toward training, general knowledge of automotive maintenance environment, strong company product knowledge, highly self motivated, basic project management skills, high level of time management organization, strong presentation skills, knowledge of customer relationship management (CRM) technology, functional ability with Microsoft products including (Word, Excel, PowerPoint, and Outlook)

Supervisory Experience: Participates in hiring, training, scheduling, performance appraisal, corrective action and termination. Recommend budgeting and promotions.

Physical Demands: While performing the duties of this job, the employee must frequently drive a car. Extensive use of computer and telephone.

Safety-Kleen Systems, Inc.

Job Description

Job Title: **Vacuum Sales and Service Representative**
Department: Branch Services
Reports To: Branch General Manager
FLSA Status: ExempUNon-Exempt
Approved By: SVPHR
Approved Date: 01/29/07

Summary: The VSSR provides waste fluid removal services to our customers. This involves using vacuum equipment to pump waste materials and liquid from oil-water separator pits, as well as transporting & delivering the waste material to Safety-Kleen disposal sites.

Essential Duties and Responsibilities include but are not limited to the following.

- Receive manifests, labels & route schedule from office staff
- Perform Pre & Post Trip Inspection Report
- Perform routine route and associated daily activities.
- Properly label, scan and document waste materials & liquids removed from customer site.
- Present receipt to customer, obtain authorized signature, as well as answer any customer service issues.
- Complete end of day paperwork.
- Ensure environmental compliance and operate vehicles in accordance with DOT, local, state and federal requirements.
- Ensure strict compliance to Branch SOP's.

Qualifications: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required.

Education and/Or Experience: High school diploma or (GED) and six months+ related experience, and/or training.

Certificates, Licenses, Registrations: Class C COL and Haz Mat endorsement and Tanker.

Competencies and Skills: Customer Service, Attention to Detail, Recognize the importance of, and adherence to, Safety regulations and policies, Time Management, Product Knowledge, Sense of Direction, Knowledge of Hazardous Waste, and Organization skills.

Physical Demands: While performing the duties of this job, the employee must frequently sit, walk, stand, crawl or drive a truck with reasonable accommodations. The employee must frequently carry, lift, pull or push 50 pounds or more. The employee is constantly required to reach, bend, kneel, squat, climb, stoop or twist; and talk or hear. The employee must constantly drive a large truck.

Work Environment: While performing the duties of this job, the employee is frequently exposed to moving mechanical parts and outside weather conditions. The employee is occasionally exposed to wet and/or humid conditions; high, precarious places; fumes or airborne particles; extreme cold; extreme heat; and risk of electrical shock.

Safety-Kleen Systems, Inc.

Job Description

Job Title: **Service Center Manager**
Department: Branch Services
Reports To: District Manager
FLSA Status: Exempt
Approved By: SVPHR
Approved Date: 01/29/07

Summary: The Service Center Manager is responsible for ensuring optimum customer service leading to retention and expansion of the branch business. Key responsibilities include supervising customer service staff, ensuring services are completed in a timely manner, and managing customer relationships.

Essential Duties and Responsibilities include but are not limited to the following.

- Manage the branch customer service functions including hiring, training, and supervision of the equipment repair specialists (ERS) and sales and service representatives (SSR).
- Manage sales and service staff in achieving customer retention, on-time service performance, and accounts receivable goals by: observing corporate operating guidelines, training and reinforcing critical service skills, and working to prevent and resolve customer service issues.
- Conduct inspections and ride-alongs with sales and service staff to ensure timely and effective servicing of customers' equipment.
- Ensure on-time performance for all customers by aligning territories, defining routes, and managing associated paperwork.
- Ensure ERS and SSR compliance with all applicable environmental, health, and safety (EHS) requirements by working with corporate EHS resources to keep all training and record keeping up to date, and by monitoring daily operations to assure performance is within regulatory guidelines.
- Work with District Manager (OM) to ensure effective operation of the branch including maintenance and operation of branch fleet to company standards, assistance with branch incident alert and spill response systems, and control of branch inventory.
- Administer branch accounts receivable program to maximize collection of money at the time of service, collect on overdue accounts, and determine when to pull an account.
- Ensure that all branch customer service practices are conducted consistent with high ethical standards.

Supervisory Responsibility:
The Service Center Manager recommends hiring, training, scheduling, performance appraisal, promoting, corrective action and termination.

Education and/or Experience: High school diploma or (GED). 3-5 years experience and/or related training.

Certificates, Licenses, Registrations: Class B CDL, Haz Mat, Air Brakes and Tankers endorsement.

Physical Demands: While performing the duties of this job, the employee must frequently stand, walk, bend and use the computer. The employee must frequently carry, lift, pull or push up to 25 pounds. The employee must frequently drive a small truck.

Work Environment: While performing the duties of this job, the employee is frequently exposed to moving mechanical parts and outside weather conditions. The employee is occasionally exposed to wet and/or humid conditions; extreme cold; extreme heat.

Job Description

Job Title: **Industrial Sales Specialist - Metalworking**
Department: **Industrial Sales Industrial Sales Manager**
FLSA Status: **Exempt**
Approved By: **E. Genovese/ V. Lepice / J. Sullivan**
Approved Date: **02/20/2007**

Summary: Incumbent is responsible for establishing and growing industrial accounts within Safety-Kleen's metalworking market segment. Within assigned territory, incumbent will execute a sales strategy for prospecting, identifying customer needs, closing sales, and servicing accounts.

Essential Duties and Responsibilities include but are not limited to the following.

- Performs sales forecasting and account planning tasks to ensure achievement of annual sales targets and market penetration
- Identifies new market opportunities that would be profitable to the company from leads given through other facilities, current customers, trade publications, state associations, newspaper/journal articles, or cold calling.
- Performs plant walk-throughs to fill out a needs assesment survey. Uses this information to present the prospect with a comprehensive offer of Metalworking Services.
- Sells the products and services of the company according to the defined sales strategy. Ensures that sales quotas are met and surpassed if possible.
- Finalizes sale with customer by determining the extent and type of service desired by the customer, and by explaining the nature and expectation of service that will be provided on the account.
- Makes regular customer visits to assure product and service satisfaction, develop relationship, further penatrate customers needs and performs required coolant management testing and documentation; Provides prompt customer issue resolution.
- Reviews sales documentation and forms for completeness and accuracy, coordinates incoming waste with the appropriate facility, answers the client's and facility's questions.
- Completes necessary paperwork to ensure compliance with sales process and policy and to provide Sales and Accounting with information necessary to determine sales performance. Monitors and tracks sales plan, prepares regular status reports.
- Provides other sales or sales support activities as required. Ensures that all actions comply with Safety-Kleen corporate policies.
- Daily local travel is required; Limited overnight travel may be required (<15%) for customer visits, vendor visits, training.

Scope:

- Responsible for generating $650,000 in annual revenue

Education and/or Experience:

- A Bachelor 's degree in Business, Mechanical Engineering, Manufacturing or related field, or equivalent experience is required
- A minimum of 3 years of experience with manufacturing processes and metal cutting products is required
- A minimum of 5 years of industrial sales or related industry is also required
- Experience with an automated sales order process is required
- Experience working in compliance-oriented sales environment is required

Competencies and Skills:

- Strong sales planning/ forecasting skills
- Demonstrated ability to effectively manage territory and accounts
- Demonstrated ability to prospect and close sale
- Detail orientation, with strong troubleshooting and problem solving skills

- Strong organizational skills to manage multiple demands
- Strong interpersonal/collaboration skills
- Strong customer service orientation
- Excellent communication (written and oral) skills
- Proficiency with automated sales order processes and Microsoft applications including MS Word, Excel and PowerPoint

Physical Demands: While performing the duties of this job, the employee must frequently drive a vehicle. Extensive use of computer and telephone are also required.

Safety-Kleen Systems, Inc.

Job Description

Job Title: **Branch Administrator**
Department: Branch Services
Reports To: Branch General Manager
FLSA Status: Exempt
Approved By: SVPHR
Approved Date: 03/26/07

Summary: The Branch Administrator is an administrative position responsible for maintaining detailed and accurate company, branch, and customer files.

Essential Duties and Responsibilities include but are not limited to the following.

- Assembles packages of documents for Sales Representatives.
- Check Sales or Hazardous Waste documents turned in by Sales Representatives.
- Ensure proper completion of paperwork including manifests, and alert manager of errors.
- Provide customer service functions by responding to customer inquiries and/or complaints, handling or routing service questions, and solving problem accounts.
- Prepare Manual Forms, Manifests and LOR forms, as required.
- Distribute copies of service documents and manifests to customers, various Safety-Kleen locations, and to governmental agencies, as required.
- Contact customers delinquent in payment and coordinates pick-up of payments.
- Log wastes, adjusts service scheduling, prepares reports, completes MMVR reports and checks manifests for assigned territories.
- Provide other clerical support duties as requested.

Qualifications: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required.

Education and/Or Experience: High school diploma and six months+ related experience, and/or training.

Competencies and Skills: Customer Service, Attention to Detail, Recognize the importance of Safety, Time Management, Product Knowledge, Sense of Direction, and Organization skills.

Physical Demands: While performing the duties of this job, the employee must frequently sit at a work station using the computer.

Safety-Kleen Systems, Inc.

Job Description

Job Title: **Sales & Service Associate**
Department: Branch Services
Reports To: Branch General Manager
FLSA Status: Exempt
Approved By: SVPHR
Approved Date: 01/29/07

Summary: The SSA is an entry level position responsible for learning how to service our parts cleaning machines and selling related products to customers on route.

Essential Duties and Responsibilities include but are not limited to the following.

- Receive manifests, labels, route schedule from office staff.
- Select, pull, and load needed inventory (empty drums, pig products, new machines, etc) for the day's customer visits as per route schedule.
- Perform daily truck check & complete truck check list form.
- Perform routine route.
- Properly label, scan, and document waste picked up from customer site.
- Present receipt to customer, as well as address any customer service issues or sales opportunities.
- Complete end of day paperwork.
- Perform equipment repair activities as needed.

Qualifications: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required.

Education and/Or Experience: High school diploma or (GED) and six months+ related experience, and/or training.

Certificates, Licenses, Registrations: Class C CDL and Haz Mat endorsement (or the ability to obtain)

Competencies and Skills: Mechanically Inclined, Customer Service, Attention to Detail, Recognize the importance of Safety, Time Management, Product Knowledge, Sense of Direction, Knowledge of Hazardous Waste, and Organization skills.

Physical Demands: While performing the duties of this job, the employee must frequently stand or walk and occasionally drive a large truck. The employee must frequently carry, lift, pull or push up to 50 pounds. The employee is occasionally required to reach, bend, kneel, squat, climb, stoop or twist; and talk or hear.

Work Environment: While performing the duties of this job, the employee is frequently exposed to moving mechanical parts and outside weather conditions. The employee is occasionally exposed to wet and/or humid conditions; high, precarious places; fumes or airborne particles; extreme cold; extreme heat; and risk of electrical shock.

Section I

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CLOSURE PLAN

1.1 GENERAL INFORMATION

LOCATION ADDRESS: Safety-Kleen Systems, Inc.
130-A Frontage Road
Lexington, SC 29073

U.S. EPA 1.D. NO: SCD077995488

This closure plan provides for the closure of the hazardous waste management units, at the Safety-Kleen Lexington, SC facility.

The hazardous waste units which require closure include:

a) Tank Storage - 35 RCRA permitted tanks with a total storage capacity of 612,000 gallons (nominal) aboveground storage tanks and concrete diked areas for secondary containment and associated ancillary equipment. 23 proposed (not yet constructed) tanks with a total storage capacity of 424,500 gallons (nominal) aboveground storage tanks and concrete diked areas for secondary containment and associated ancillary piping.

b) Container Storage - Three container storage areas (1A, 1B, 1C) with a total storage capacity of 298,980 gallons.

1.2 PURPOSE

The Safety-Kleen Lexington, SC facility operates as a storage facility for hazardous wastes. The hazardous waste management units (HWMUs) must be closed in accordance with the closure requirements of R.61-79.264.110 through R.61-79.264.115. Closure of the facility will be carried out in accordance with the steps outlined in this plan and applicable Federal and State regulations. An estimated closure schedule and closure cost estimate are attached. The closure plan and closure cost estimate, as part

of the permit, will be kept on site. Safety-Kleen will remediate all hazardous wastes from the facility to a level that is protective of human health and the environment, thereby achieving clean closure and eliminating the need for further maintenance and care. Upon completion of clean closure activities, the need for post-closure maintenance will be eliminated as this facility does not meet the applicability requirements located at R.61-79 .264.11 O(b).

Safety-Kleen has developed this generalized closure plan for decontamination of the Hazardous Waste Management Units at the site. The closure plan includes the following:

- The estimated expected year of closure and a closure schedule;
- An estimate of the maximum inventory of waste in storage at any time during the active life of the facility for development of the closure cost estimate;
- Notification procedures;
- A description of how and when the facility will be partially and/or finally closed;
- A description of decontamination procedures to be implemented during closure;
- Procedures for certification of closure activities by Safety-Kleen and an independent professional engineer.

1.3 MAXIMUM INVENTORY OF WASTES

The maximum waste inventory at the Safety-Kleen Lexington, SC facility waste management units is:

a) Tank Storage - Thirty-five (35) tanks (in three tank farms) with a total storage capacity of 612,000 gallons (nominal) aboveground storage and concrete dike areas for secondary containment and associated ancillary equipment

b) Container Storage - Three (3) container storage areas with a total storage capacity of 298,980 gallons.

1.4 NOTIFICATION AND SCHEDULE FOR CLOSURE

Safety-Kleen will remove hazardous wastes and residuals from the facility to levels protective of human health and the environment and will therefore, eliminate the need for further maintenance and care. Spent solvents are received at the recycle center in containers or in bulk tanker trucks from industrial users. The Lexington Recycle Center stores wastes in containers and tanks and processes the wastes to recover and recycle organic solvents. Wastes not suitable for recycle/reclamation as solvents are processed into fuels for use in industrial furnaces off-site or are shipped via permitted transporter to an alternate TSDF. There is no on-site disposal activity, and therefore there is no disposal capacity to be exhausted and no specific date at which the facility will cease to have waste management capacity. For purposes of the closure cost estimate the estimated year of closure is 2051.

Safety-Kleen will notify the Department in writing of any intent to close the facility at least 45 days before Safety-Kleen begins full facility closure. The following general requirements apply to facility closure:

- As required by R.61-79 .264.11 3(b) the closure will be completed within 180 days of the receipt of the final volume of hazardous waste, and/or receipt of Department approval, or unless an extended closure period is requested by Safety-Kleen and approved by the Department.

- Upon completion of final closure, a Certification of Closure, prepared and certified by both an independent registered professional engineer and Safety-Kleen, will be submitted to the Department.

- If the facility permit is modified, this plan will also be amended to reflect those modifications, as appropriate. The request for modification and subsequent modified closure plan will be submitted to the Agency for acknowledgment and approval.

1.5 SECURITY

During the performance of the closure activities, Safety-Kleen will maintain site and hazardous waste management security measures. These measures will include site security, fencing and warning signs. Security measures will be maintained until decontamination activities are completed.

1.6 RCRA UNIT CLOSURE ACTIVITIES

Partial or facility closure will be implemented in accordance with this plan and any subsequent modifications. The contractor selected to implement closure will also be required to prepare a health and safety plan in accordance with applicable regulations for their personnel. The health and safety plan shall be kept on-site during the closure activities.

1.6.a ABOVEGROUND TANK AND ASSOCIATED PIPING

The aboveground storage tanks are situated within a concrete secondary containment system. At facility closure or partial closure (i.e. closure of a tank unit) the following will generally be necessary to remove hazardous waste and waste residues:

1) opening of the tank and removal of wastes,
2) decontamination of the tank interior and piping, and
3) decontamination of the containment area,unless other permitted tanks remain. These procedures are briefly described below.

1.6.a.1 OPENING OF THE TANK AND REMOVAL OF WASTE

In order to safely open the tank and remove the waste material, the following activities will be conducted:

a) Waste material from the tank will be removed using a tanker truck pump (for used solvent), vacuum truck (for heavy sludge) or similar equipment and transported to a permitted hazardous waste TSDF for reclamation and/or disposal.

b) Following removal of free-liquid wastes to the extent practicable, the aboveground waste tanks will be entered to remove residual waste and sludge from the bottom of the tanks. Depending on the quantity and consistency of residual wastes, it may be removed using shovels, squeegees etc., and transferred to containers, or may be removed with a pump during tank decontamination (described below).

1.6.a.2 TANK DECONTAMINATION PROCEDURES

Once residual wastes are removed, the tanks and piping will be decontaminated. Decontamination procedures will be generally consistent with the following:

a) The tanks interior will be washed with a detergent-water solution and high-pressure spray. The interior may also be scraped and/or squeegeed to remove residual waste material. Pressure washing will continue until the tank interior is visually clean, and then triple rinsed. The quantity of wash water will be kept to a minimum to reduce the amount required for treatment/disposal. It is anticipated that approximately 700 gallons (per tank) of wash/rinse water will be generated during tank decontamination activities (estimate includes piping and ancillary equipment). Given that there are 35 hazardous waste tanks that will require decontamination for a full facility closure, a total of 24,500 gallons of wash/rinse water will be used.

b) Decontamination water and residual wastes that accumulate at the bottom of the tanks will be removed using a remote pump, buckets, or similar, and transferred to either a vac truck, tanker truck or into containers.

c) The decontamination wash water and residual waste from the tanks will be managed as a hazardous waste and transported for treatment/disposal at an appropriately permitted TSDF or characterized as non-hazardous waste in accordance with applicable regulations.

d) Piping and appurtenant equipment may be flushed prior to or during residual waste removal for the tanks. Piping and appurtenant equipment will be decontaminated with a detergent-water solution and high-pressure spray.

e) Depending on the disposition of the tanks at closure, sampling of the final rinsate may be required. If the tanks will be reused at the existing location or at an offsite location, a rinsate sample will be collected from the final rinse of the tank interior. If collected, the rinsate sample will be analyzed for constituents representative of the toxicity characteristic waste codes listed in the facility permit for storage (total VOCs, SVOCs and Metals), using an appropriately certified laboratory.

f) If the tanks and piping will be processed as scrap metal following decontamination [i.e. the decontaminated structures no longer meet the definition of solid or hazardous waste in R.61-79], rinsate sampling will not be required.

1.6.a.3 DECONTAMINATION OF THE TANK CONTAINMENT AREA

At the time of facility closure the tank containment area will be inspected and decontaminated in accordance with the following general procedures. Unless otherwise specified, the decontaminated containment structure will be left in place at the time of closure.

a) The tank containment area dike and slab area will be inspected by an independent Professional Engineer for the presence of cracks, fissures, missing seals, etc. If found, visible cracks or gap in the containment shall be sealed prior to commencement of cleaning to prevent migration of rinsate outside of the containment area. In addition, if unsealed cracks are fully penetrating, the

underlying soil will be sampled during closure as described below.

b) The containment dike will be swept to remove loose debris, then washed with a detergent-water solution and high-pressure spray and then triple rinsed. The quantity of wash water will be kept to a minimum to reduce the amount required for treatment/disposal. Decontamination of the concrete will be repeated as necessary, until the clean levels have been met. It is anticipated that no more than 1,500 gallons of wash/rinse water will be generated during decontamination of the tank containment area.

c) A sample of the final rinsate will be collected and analyzed for similar constituents as for the tank system, described above. The results of the rinsate analysis will be used to verify effective decontamination of the containment area.

d) The decontamination wash water will either be managed as a hazardous waste and transported for treatment/disposal at an appropriately permitted TSDF or characterized as non-hazardous waste and treated or disposed in accordance with applicable regulations.

e) Soil samples will be collected, if necessary, based on the professional engineer's inspection. If collected, soil samples will be analyzed in accordance with applicable requirements, and as described below in the sampling plan.

f) As an alternative to leaving the containment in place for reuse, the decontaminated concrete containment structure may also be demolished and transported offsite for recycling or disposal.

1.6.b CONTAINER STORAGE AREA

The three container storage areas are used to store/accumulate containers of used materials (e.g. used parts washer solvent, used immersion cleaner, dry cleaning waste, waste antifreeze, tank or drum washer sediment, paint waste, industrial solvents, or other non-

regulated wastes or products). At the time of facility closure or partial closure of the container storage area, waste inventory will be removed and transported under a hazardous waste manifest to a permitted hazardous waste TSDF. The contents of the drums will be treated or disposed of at a permitted TSDF.

At the time of facility closure or partial closure, the following steps will be conducted:

a) The secondary containment structure will be inspected and decontaminated using procedures consistent with those described above for the tank secondary containment area. It is anticipated that approximately 1,500 gallons of rinsate will be generated during decontamination of the container storage area. The wash/rinse water will be managed as a hazardous waste and treated or disposed of at a permitted TSDF.

b) A sample of the final rinsate will be collected and analyzed for constituents representative of waste codes listed in the facility permit.

c) The rinsate sample results will be used to verify the effectiveness of decontamination. Decontamination of the concrete will be repeated as necessary until the clean levels have been met.

d) If the independent Professional Engineer determines that the unsealed cracks are fully penetrating, the underlying soil will be sampled during closure as described below.

1.7 DECONTAMINATION OF CLEANUP EQUIPMENT

Equipment used during decontamination activities will be cleaned along with and within the respective secondary containment structure. Therefore, the anticipated amount of wash water to decontaminate equipment was included in the estimated quantity generated for each unit. Small consumable equipment (e.g. mops, rags, disposable PPE, etc.), which cannot be cleaned will be containerized, and either managed as a hazardous waste and disposed of at a permitted TSDF or characterized as non- hazardous waste and treated or disposed in accordance with applicable regulations.

Safety-Kleen does not anticipate that heavy equipment, such as cranes and backhoes, will come into contact with hazardous wastes. For example, a crane may be used to remove the storage tank, but only after the tank has been decontaminated. Therefore, an equipment decontamination area should not be necessary during closure. However, if necessary, heavy equipment will be cleaned by scraping, brushing and/or using a pressure washer with a non-phosphate detergent water solution with tap water rinse. The wash/rinse water will be containerized and either managed as a hazardous waste and disposed of at a permitted TSDF or characterized as non-hazardous waste and treated or disposed in accordance with applicable regulations.

1.8 SOIL SAMPLING DURING CLOSURE

Following closure/decontamination, if the independent Professional Engineer, determines based on the inspection procedures described previously, that the containment structure was breached in a manner to allow a potential release to the subsurface, soil samples will be collected from beneath containment area(s) in question. The number of soil samples required at closure will be determined at closure following the professional engineer's inspection of the respective containment areas.

In general, if required, soil samples will be collected from immediately beneath cracks or gaps noted by the professional engineer during inspection of each containment area, which are determined to have the potential for wastes to migrate to underlying soils. It is anticipated that soil samples will be analyzed for constituents representative of the waste codes listed in the facility permit for storage (total VOCs, SVOCs and Metals). If applicable, samples may also be collected from additional areas of the site for background comparison.

If required, the identification, characterization and remediation of any contamination that may exist beneath the containment areas shall be described in a workplan prepared following receipt of analytical results from any required soil sampling. The workplan will be submitted to the Department for review and approval.

1.9 FACILITY CLOSURE SCHEDULE

Within 90 days of receiving the final volume of hazardous wastes, Safety-Kleen will remove all hazardous wastes from the site in accordance with the approved closure plan. Safety-Kleen will complete closure activities in accordance with the approved closure plan and within 180 days after receiving the final volume of waste or upon Agency approval of the closure plan and procedures, whichever is later. The Department may approve a longer period if Safety-Kleen demonstrates that:

a) The activities necessary to remove waste or close the facility, will of necessity, take longer than 90 days or 180 days, respectively, to complete or the following requirements are met:

   i) The facility has the capacity to receive additional wastes;

   ii) There is a likelihood that a person other than Safety-Kleen will recommence operation at the site within one year;

   iii) Closure of the facility is incompatible with future use of the site. In this case, Safety-Kleen will take all steps necessary to prevent threats to human health and the environment.

b) Safety-Kleen requires an extension to the closure period to ensure that the facility has achieved clean closure levels that are protective of human health and the environment.

A closure schedule is included as Attachment I-1.

1.10 CLOSURE CERTIFICATION

When closure is completed, Safety-Kleen shall submit to the Department certification, both by the operator and a qualified independent professional engineer registered in South Carolina, that the facility has been closed in accordance with the approved closure plan. The closure certification will be presented in a Closure Certification Report, which will be prepared in accordance with applicable portions of R.61-79.264.115. Information contained

in the closure report will include a brief site history, site plan, closure field notes, documentation of decontamination procedures, photo documentation, soil sampling locations (if required), laboratory analytical reports, tabular summaries of analytical results, volumes of wastes removed, copies of waste manifests, etc. Any deviations from the approved closure plan will also be documented in the report. The Closure Certification Report will be submitted within 60 days of completion of the closure activities.

1.11 CLOSURE COST ESTIMATE

The closure cost estimate for the facility can be found in Attachment I-2. Unit costs are based on third-party costs to perform closure operations. The closure cost estimate is adjusted annually to reflect inflation, in accordance with and as required by and detailed in R.61-79.264.142(b) and (c).

1.12 PARTIAL CLOSURE

Partial closure of any unit will be performed using the procedures described above.

1.13 POST CLOSURE

Since there are no hazardous waste treatment or disposal units at the Facility. Therefore, a post-closure plan is not required at this time.

ATTACHMENT I-1

CLOSURE SCHEDULE

Attachment I-1
Closure Schedule
Safety-Kleen Systems, Inc. - Lexington Recyle Center

Days	10	20	30	40	50	60	70	80	90	100	110	120	130
SCDHEC Approval													
Remove waste from container storage areas to permitted disposal													
Remove waste from Tank Farms to permitted storage													
Decontaminate Container Storage Areas													
Decontaminate Tank Farms and ALL Hazardous Waste tanks													
Decontaminate piping, ancillary equipment and process areas.													
Collect rinseate samples.													
Inspect secondary containment for contamination													
Laboratory Analyses													
Disposal of tanks and closure debris													
Closure certification													

ATTACHMENT I-1a

TREATMENT STANDARDS FOR HAZARDOUS DEBRIS and/or HAZARDOUS WASTE

§ 268.45 Treatment standards for hazardous debris.

(a) *Treatment standards.* Hazardous debris must be treated prior to land disposal as follows unless EPA determines under §261.3(f)(2) of this chapter that the debris is no longer contaminated with hazardous waste or the debris is treated to the waste-specific treatment standard provided in this subpart for the waste contaminating the debris:

(1) *General.* Hazardous debris must be treated for each "contaminant subject to treatment" defined by paragraph (b) of this section using the technology or technologies identified in Table 1 of this section.

(2) *Characteristic debris.* Hazardous debris that exhibits the characteristic of ignitability, corrosivity, or reactivity identified under §§261.21, 261.22, and 261.23 of this chapter, respectively, must be deactivated by treatment using one of the technologies identified in Table 1 of this section.

(3) *Mixtures of debris types.* The treatment standards of Table 1 in this section must be achieved for each type of debris contained in a mixture of debris types. If an immobilization technology is used in a treatment train, it must be the last treatment technology used.

(4) *Mixtures of contaminant types.* Debris that is contaminated with two or more contaminants subject to treatment identified under paragraph (b) of this section must be treated for each contaminant using one or more treatment technologies identified in Table 1 of this section. If an immobilization technology is used in a treatment train, it must be the last treatment technology used.

(5) *Waste PCBs.* Hazardous debris that is also a waste PCB under 40 CFR part 761 is subject to the requirements of either 40 CFR part 761 or the requirements of this section, whichever are more stringent.

(b) *Contaminants subject to treatment.* Hazardous debris must be treated for each "contaminant subject to treatment." The contaminants subject to treatment must be determined as follows:

(1) *Toxicity characteristic debris.* The contaminants subject to treatment for debris that exhibits the Toxicity Characteristic (TC) by §261.24 of this chapter are those EP constituents for which the debris exhibits the TC toxicity characteristic.

(2) *Debris contaminated with listed waste.* The contaminants subject to treatment for debris that is contaminated with a prohibited listed hazardous waste are those constituents or wastes for which treatment standards are established for the waste under §268A 0.

(3) *Cyanide reactive debris.* Hazardous debris that is reactive because of cyanide must be treated for cyanide.

(c) *Conditioned exclusion of treated debris.* Hazardous debris that has been treated using one of the specified extraction or destruction technologies in Table 1 of this section and that does not exhibit a characteristic of hazardous waste identified under subpart C, part 261, of this chapter after treatment is not a hazardous waste and need not be managed in a subtitle C facility. Hazardous debris contaminated with a listed waste that is treated by an immobilization technology specified in Table 1 is a hazardous waste and must be managed in a subtitle C facility.

(d) *Treatment residuals* -(1) *General requirements.* Except as provided by paragraphs (d)(2) and (d)(4) of this section:

(i) Residue from the treatment of hazardous debris must be separated from the treated debris using simple physical or mechanical means; and

(ii) Residue from the treatment of hazardous debris is subject to the waste-specific treatment standards provided by subpart D of this part for the waste contaminating the debris.

(2) *Nontoxic debris.* Residue from the deactivation of ignitable, corrosive, or reactive characteristic hazardous debris (other than cyanide-reactive) that is not contaminated with a contaminant subject to treatment defined by paragraph (b) of this section, must be deactivated prior to land disposal and is not subject to the waste-specific treatment standards of subpart D of this part.

(3) *Cyanide-reactive debris*. Residue from the treatment of debris that is reactive because of cyanide must meet the treatment standards for D003 in "Treatment Standards for Hazardous Wastes" at §268.40.

(4) *Ignitable nonwastewater residue*. Ignitable nonwastewater residue containing equal to or greater than 10% total organic carbon is subject to the technology specified in the treatment standard for D001 : Ignitable Liquids.

(5) *Residue from spa/ling.* Layers of debris removed by spalling are hazardous debris that remain subject to the treatment standards of this section.

Table 1-Alternative Treatment Standards For Hazardous Debris[1]

Technology description	**Performance and/or design and operating standard**	**Contaminant restirctions**[2]
A. Extraction Technologies:		
1. Physical Extraction		
a. *Abrasive Blasting:* Removal of contaminated debris surface layers using water and/or air pressure to propel a solid media (e.g., steel shot, aluminum oxide grit, plastic beads)	*Glass, Metal, Plastic, Rubber:* Treatment to a clean debris surface.[3] *Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood:* Removal of at least 0.6 cm of the surface layer; treatment to a clean debris surface.[3]	*[All Debris:* None.
b. *Scarification, Grinding, and Planning:* Process utilizing striking piston heads, saws, or rotating grinding wheels such that contaminated debris surface layers are removed	Same as above	Same as above.
c. *Spalling:* Drilling or chipping holes at appropriate locations and depth in the contaminated debris surface and applying a tool which exerts a force on the sides of those holes such that the surface layer is removed. The	Same as above	Same as above.

surface layer removed remains hazardous debris subject to the debris treatment standards		
d. *Vibratory Finishing:* Process utilizing scrubbing media, flushing fluid, and oscillating energy such that hazardous contaminants or contaminated debris surface layers are removed.[4]	Same as above	Same as above.
e. *High Pressure Steam and Water Sprays:* Application of water or steam sprays of sufficient temperature, pressure, residence time, agitation, surfactants, and detergents to remove hazardous contaminants from debris surfaces or to remove contaminated debris surface layers	Same as above	Same as above.
2. Chemical Extraction		
a: *Water Washing and Spraying:* Application of water sprays or water baths of sufficient temperature, pressure, residence time, agitation, surfactants; acids, bases, and detergents to remove hazardous contaminants from debris surfaces and surface pores or to remove contaminated debris surface layers	*All Debris:* Treatment to a clean debris surface[3]; *Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood:* Debris must be no more than 1.2 cm (1/2 inch) in one dimension (i.e., thickness limit,[5]except that this thickness limit may be waived under an "Equivalent Technology" approval under §268.42(b);8debris surfaces must be in contact with water solution for at least 15 minutes	*Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood:* Contaminant must be soluble to at least 5% by weight in water solution or 5% by weight in emulsion; if debris is contaminated with a dioxin-listed waste, an "Equivalent Technology" approval under §268.42(b) must be obtained.[8]
b. *Liquid Phase Solvent Extraction:* Removal of hazardous contaminants from debris surfaces and surface	Same as above	*Brick, Cloth, Concrete, Paper, Pavement, Rock Wood:* Same as above, except that contaminant

pores by applying a nonaqueous liquid or liquid solution which causes the hazardous contaminants to enter the liquid phase and be flushed away from the debris along with the liquid or liquid solution while using appropriate agitation, temperature, and residence time.[4]		must be soluble to at least 5% by weight in the solvent.
c. *Vapor Phase Solvent Extraction:* Application of an organic vapor using sufficient agitation, residence time, and temperature to cause hazardous contaminants on contaminated debris surfaces and surface pores to enter the vapor phase and be flushed away with the organic vapor.[4]	Same as above, except that brick, cloth, concrete, paper, pavement, rock and wood surfaces must be in contact with the organic vapor for at least 60 minutes	Same as above.
3. Thermal Extraction		
a. *High Temperature Metals Recovery:* Application of sufficient heat, residence time, mixing, fluxing agents, and/or carbon in a smelting, melting, or refining furnace to separate metals from debris	For refining furnaces, treated debris must be separated from treatment residuals using simple physical or mechanical means,9and, prior to further treatment, such residuals must meet the waste-specific treatment standards for organic compounds in the waste contaminating the debris	*Debris contaminated with a dioxin-listed waste:* obtain an "Equivalent Technology" approval under §268.42(b).[8]
b. *Thermal Desorption:* Heating in an enclosed chamber under either oxidizing or nonoxidizing atmospheres at sufficient temperature and residence time to vaporize hazardous contaminants from contaminated surfaces and surface pores and to remove	*All Debris:* Obtain an "Equivalent Technology" approval under §268.42(b);[8]treated debris must be separated from treatment residuals using simple physical or mechanical means,[9]and, prior to further treatment, such residue must meet the	*All Debris:* Metals other than mercury.

the contaminants from the heating chamber in a gaseous exhaust gas.[7]	waste-specific treatment standards for organic compounds in the waste contaminating the debris *Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood:* Debris must be no more than 10 cm (4 inches) in one dimension (i.e., thickness limit),5exceptthat this thickness limit may be waived under the "Equivalent Technology" approval	
B. Destruction Technologies:		
1. *Biological Destruction (Biodegradation):* Removal of hazardous contaminants from debris surfaces and surface pores in an aqueous solution and biodegradation of organic or nonmetallic inorganic compounds (i.e., inorganics that contain phosphorus, nitrogen, or sulfur) in units operated under either aerobic or anaerobic conditions	*All Debris:* Obtain an "Equivalent Technology" approval under §268.42(b};[8]treated debris must be separated from treatment residuals using simple physical or mechanical means,[9]and, prior to further treatment, such residue must meet the waste-specific treatment standards for organic compounds in the waste contaminating the debris *Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood:* Debris must be no more than 1.2 cm (1/2 inch) in one dimension (i.e., thickness limit), except that this thickness limit may be waived under the "Equivalent Technology" approval.	*All Debris:* Metal contaminants.
2. Chemical Destruction		
a. *Chemical Oxidation:* Chemical or electrolytic oxidation utilizing the	*All Debris:* Obtain an "Equivalent Technology" approval under	*All Debris:* Metal contaminants.

following oxidation reagents (or waste reagents) or combination of reagents-(1) hypochlorite (e.g., bleach); (2) chlorine; (3) chlorine dioxide; (4) ozone or 1N (ultraviolet light) assisted ozone; (5) peroxides; (6) persulfates; (7) perchlorates; (8) permanganates; and/or (9) other oxidizing reagents of equivalent destruction efficiency.[4]Chemical oxidation specifically includes what is referred to as alkaline chlorination	§268.42(b);[8]treated debris must be separated from treatment residuals using simple physical or mechanical means,[9]and, prior to further treatment, such residue must meet the waste-specific treatment standards for organic compounds in thewaste contaminating the debris *Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood:* Debris must be no more than 1.2 cm (1/2 inch) in one dimension (i.e., thickness limit),'[5]except that this thickness limit may be waived under the "Equivalent Technology" approval	
b. *Chemical Reduction:* Chemical reaction utilizing the following reducing reagents (or waste reagents) or combination of reagents: (1) sulfur dioxide; (2) sodium, potassium, or alkali salts of sulfites, bisulfites, and metabisulfites, and polyethylene glycols (e.g., NaPEG and KPEG); (3) sodium hydrosulfide; (4) ferrous salts; and/or (5) other reducing reagents of equivalent efficiency.[4]	Same as above	Same as above.
3. *Thermal Destruction:* Treatment in an incinerator operating in accordance with Subpart O of Parts 264 or 265 of this chapter; a boiler or industrial furnace operating in accordance with Subpart H of Part 266 of this chapter, or	Treated debris must be separated fromtreatment residuals using simple physical or mechanical means,[9]and, prior to further treatment, such residue must meet the waste-specific treatment standards	*Brick, Concrete, Glass, Metal, Pavement, Rock, Metal:* Metals other than mercury, except that there are no metal restrictions for vitrification. *Debris contaminated with a dioxin-listed waste.*

other thermal treatment unit operated in accordance with Subpart X, Part 264 of this chapter, or Subpart P, Part 265 of this chapter, but excluding for purposes of these debris treatment standards Thermal Desorption units	for organic compounds in the waste contaminating the debris	[6]Obtain an "Equivalent Technology" approval under §268.42(b),[8]except that this requirement does not apply to vitrification.
C. Immobilization Technologies:		
1 . *Macroencapsulation :* Application of surface coating materials such as polymeric organics (e.g., resins and plastics) or use of a jacket of inert inorganic materials to substantially reduce surface exposure to potential leaching media	Encapsulating material must completely encapsulate debris and be resistant to degradation by the debris and its contaminants and materials into which it may come into contact after placement (leachate, other waste, microbes).	None.
2. *Microencapsulation:* Stabilization of the debris with the following reagents (or waste reagents) such that the leachability of the hazardous contaminants is reduced: (1) Portland cement; or (2) lime/pozzolans (e.g., fly ash and cement kiln dust). Reagents (e.g., iron salts, silicates, and clays) may be added to enhance the set/cure time and/or compressive strength, or to reduce the leachability of the hazardous constituent s.[5]	Leachability of the hazardous contaminants must be reduced	None.
3. *Sealing:* Application of an appropriate material which adheres tightly to the debris surface to avoid exposure of the surface to potential leaching media. When necessary to effectively seal the surface, sealing entails	Sealing must avoid exposure of the debris surface to potential leaching media and sealant must be resistant to degradation by the debris and its contaminants and materials into which it may	None.

pretreatment of the debris surface to remove foreign matter and to clean and roughen the surface. Sealing materials include epoxy, silicone, and urethane compounds, but paint may not be used as a sealant	come into contact after placement (leachate, other waste, microbes)	

[1]Hazardous debris must be treated by either these standards or the waste-specific treatment standards for the waste contaminating the debris. The treatment standards must be met for each type of debris contained in a mixture of debris types, unless the debris is converted into treatment residue as a result of the treatment process. Debris treatment residuals are subject to the waste-specific treatment standards for the waste contaminating the debris.

[2]Contaminant restriction means that the technology is not BOAT for that contaminant. If debris containing a restricted contaminant is treated by the technology, the contaminant must be subsequently treated by a technology for which it is not restricted in order to be land disposed (and excluded from Subtitle C regulation).

[3] "Clean debris surface" means the surface, when viewed without magnification, shall be free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided that such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surface area.

[4]Acids, solvents, and chemical reagents may react with some debris and contaminants to form hazardous compounds. For example, acid washing of cyanide-contaminated debris could result in the formation of hydrogen cyanide. Some acids may also react violently with some debris and contaminants, depending on the concentration of the acid and the type of dE3bris and contaminants. Debris treaters should refer to the safety precautions specified in Material Safety Data Sheets for various acids to avoid applying an incompatible' acid to a particular debris/contaminant combination. For example, concentrated sulfuric acid may react violently with certain organic compounds, such as acrylonitrile.

[5]If reducing the particle size of debris to meet the treatment standards results in material that no longer meets the 60 mm minimum particle size limit for debris, such material is subject to the waste-specific treatment standards for the Waste contaminating the material, unless the debris has been cleaned and separated from contaminated soil and waste prior to size reduction. At a minimum, simple physical or mechanical means must be used to provide such cleaning and separation of non-debris materials to ensure that the debris surface is free of caked soil, waste, or other non-debris material.

[6]Dioxin-listed wastes are EPA Hazardous Waste numbers FOZ0, FO21, FO22, FO23, FO26, and FO27.

[7]Thermal desorption is distinguished from Thermal Destruction in that the primary purpose of Thermal Desorption is to volatilize contaminants and to remove them from the treatment chamber for subsequent destruction or other treatment.

8The demonstration "Equivalent Technology " under §268.42(b) must document that the technology treats contaminants subject to treatment to a level equivalent to that required by the performance and design and operating standards for other technologies in this table such that residual levels of hazardous contaminants will not pose a hazard to human health and the environment absent management controls.

[9]Any soil, waste, and other non-debris material that remains on the debris surface (or remains mixed with the debris) after treatment is considered a treatment residual that must be separated from the debris using, at a minimum, simple physical or mechanical means. Examples of simple physical or mechanical means are

vibratory or trommel screening or water washing. The debris surface need not be cleaned to a "clean debris surface" as defined in note 3 when separating treated debris from residue; rather, the surface must be free of caked soil, waste, or other non-debris material. Treatment residuals are subject to the waste-specific treatment standards for the waste contaminating the debris.

[57 FR 37277, Aug. 18, 1992, as amended at 59 FR 48103, Sept. 19, 1994; 63 FR 28738, May 26, 1998; 71 FR 40279, July 14, 2006]

ATTACHMENT I-2

PROPOSED AND EXISTING UNITS CLOSURE COSTS

ATTACHMENT I-2
INVENTORY PROCESSING AND REMOVAL

	Item and Assumptions	Cost	
		Existing	Proposed
1.	**Processing and Removal of Container Inventory**		
	a. Processing costs for used tires (2,500 tires @ $1.10/each), emptying of containerized wastes and blending into liquid fuel (existing 319,000 gallons; proposed 412,500 gallons; 95% processed @ $0.15 /gal *)	$48,208	$ 61,531
	b. Bulk transportation for off-site use as fuels of blended product (existing 319,000 gallons; proposed 412,500 gallons; 95% @ 7 ,000 gal/truc k, $3.45/load mile/truck, 100 miles)	$ 15,972	$ 21,417
	c. Offsite burning as fuel of blended product (existing 319,000 gallons; proposed 412,500 gallons; 95% burned as fuel @$.32/gallon)	$ 96,976	$125,400
	d. Transportation of unprocessed containerized wastes (existing 5,800 drums; proposed 7,500 drums; 5% unprocessed @ 80 drums/truck, $3.45/ loaded mile, 100 miles)	$1,452	$1,815
	e. Off-site incineration of unprocessed containerized wastes (existing 5,800 drums; proposed 7,500 drums; 5% unprocessed @$218.50/drum)	$63,365	$81,938
2.	**Processing and Removal of Tank Inventory**		
	a. On-site fuel blending of tank inventory (only cost is labor to pump into tanker for shipment off-site) (existing 939,200 gallons; proposed 2,553 ,700 gallons; 100 % processed @ $0.05 /gal)	$ 46,960	$127,685
	b. Bulk transportation for off-site use as blended fuels (existing 939,200 gallons ; proposed 2,553,700 gallons; 100 % @ 7,000 gal/truck, $3.63/loaded mile, 100 miles)	$ 49,005	$132,858
	c. Off-site burning as fuel of blended product (existing 939,200 gallons; proposed 2,553 ,700 gallons; 100% burned as fuel @$0.32/gallon)	$300 ,544	$817,184
TOTAL INVENTORY REMOVAL COST		**$622,487**	**$1,370,640**

* These costs include labor

ATTACHMENT I-2 Cont'd

. DECONTAMINATION OF TANKS

Item and Assumptions	Cost Existing	Proposed
1. **Storage Tank Decontamination**		
a. Rental of Decontamination Equipment (existing 61 permitted tanks; proposed 130 tanks; @2 tanks/day, $100/day)	$ 3,050	$ 6,500
b. Labor for Decontamination (existing 61 tanks; proposed 130 tanks; @ 1.2 manhours/tank, $28/manhour)	$ 20,496	$ 43,680
c. Management of Decontamination Wash/Rinsewater. Transport of Wastewater & Rinsate (assume 2% of total tank volume) (existing 939,200 gallons; proposed 2,553,700; 2%, @7,000 gal/truck @ $3.63/mile, 600 miles)	$ 6,534	$ 17,424
d. Off-site Treatment of Washwater/Rinsate (existing 939,200 gallons; proposed 2,553,700 gallons; 2 %; @ $0.47/gal)	$ 8,829	$ 2 4,005
e. Decontamination Sampling & Analysis (existing 61 tanks; proposed 13_0tanks @ 1 sample/tank, $400/sample, inc. trip blank)	$ 24,400	$ 52.000
TOTAL TANK DECONTAMINATION COST	**$63,309**	**143,609**

ATTACHMENT I-2 Cont'd

DECONTAMINATION OF MISCELLANEOUS UNITS

	Item and Assumptions	Cost Existing	Cost Proposed
1.	**Miscellaneous Process Unit Decontamination**		
	a. Rental. Of Decontamination Equipment (existing*2* units @*2* days/ unit, $100/day)	$ 400	$ 400
	b. Labor for Decontamination (existing 2 units; @ 48 man hours/unit, $28/manhour)	$ 2,688	$ 2,688
	c. Management of Decontamination Wash/Rinsewater Transport of Washwater & Rinsate 2,000 gal @ 7 ,000 gal/truck@ $3.63/mile, 600 miles)	$ *2,178*	$ 2,178
	d. Off-Site Treatment of Washwater/Rinsate 2,000 gals @$0.47/gal)	$ 825	$ 825
	e. Decontamination Sampling & Analysis 2 samples/unit,*2* units@ $400/sample, including trip blank)	$ 1,600	$ 1,600
TOTAL MISCELLANEOUS UNIT DECONTAMINATION COST		$ **7,691**	$ **7,691**

ATTACHMENT I-2 Cont'd

DECONTAMINATION OF SECONDARY CONTAINMENT AREAS

Item and Assumptions	Cost Existing	Cost Proposed
2. Secondary Containment Area Decontamination		
a. Rental of Decontamination Equipment (existing 12 areas; proposed 30 areas; @ 1 day/ area, $100/day)	$ 1,200	$ 3,000
b. Labor for Decontamination of Secondary Containment Areas (existing 54,919 sf; proposed 127,869 sf; @ 4 manhours/1,000 sf, $28/manhour)	$ 6,151	$ 14,321
Management of Decontamination Wash/Rinsewater		
c. Off-Site Disposal for Contaminated Washwater (existing 54,919 sf; proposed 127,869 sf; @ 2 gal/sf @ $0.47/gal)	$ 51,624	$ 120,197
d. Bulk Transportation of Washwater (existing 106,250 gallons; proposed 223,382 gallons; 7,000 gal/truck, $3.63/loaded mile, 600 miles)	$ 34,818	$ 69,696
e. Off-site Treatment of Misc. Residues (assume 3 drums/area) (existing 12 areas; proposed 30 areas; $228/drum)	$ 8,208	$ 20,520
f. Transportation of Solids (PPE) (assume 3 drums/area) (existing 12 areas; proposed 30 areas; 80 drums/truck, $3.63/loaded mile, 600 miles)	$ 2,178	$ 4,356
g. Decontamination of Sampling and Analysis (assume 2 samples/area) (existing 12 areas; proposed 30 areas; @ $400/sample, inc. trip blank)	$ 9,600	$24,000
TOTAL SECONDARY CONTAINMENT AREA DECONTAMINATION COST	**$ 113,779**	**$256,090**

ATTACHMENT I-2 Cont'd

CLOSURE ADMINISTRATION AND CERTIFICATION

	Item and Assumptions	Cost Existing	Cost Proposed
1.	Administration (including project management, supervision) (existing 360 manhours; proposed 480 manhours; @ $45/hour)	$ 16,200	$ 21,600
2.	Clerical (existing 80 manhours; proposed 120 manhours; @ $20/hour)	$ 1,600	$ 2,400
3.	Closure Certification Certification by an Independent Professional Engineer (existing 4 days; proposed 6 days; @ $600/day)	$ 2,400	$ 3,600
4.	Utilities (70 days; @ $120/day)	$ 8,400	$ 8,400
TOTAL		$28,600	$ 36,000

TOTAL CLOSURE COST ESTIMATE IN 2021 DOLLARS:
$1,576,503

ATTACHMENT I-3

RESERVED

ATTACHMENT 1-4

UNIT COSTS

Attachment 1-4
Assumptions Used in Estimating Unit Costs for Closure

ITEM	UNIT COST
Off-site Treatment and Disposal	
Incineration: Drums	$228/drum
Burning in Cement Kiln: Drum/Bulk	$0.32/gal
Sale/Reuse	$0/gal
Off-site Transportation	
Capacity: Tanker	7,000 gal
Capacity: Drum Trailer	80 drums
Distance to Off-site Facilities	
Incinerator	600 mi
Cement Kiln	100 mi
Unit Cost to Transport	$3.63/loaded mi
Equipment Rental and Utilities	
Decontamination Equipment	$100/day
General Utilities	$120/day
Labor Costs	
General Operational Personnel	$28/hr
Clerical	$20/hr
Professional Engineer	$75/hr
Sampling and Analysis	$400/sample
Wastewater Disposal	$0.47/gal

ATTACHMENT I-5

Documentation of Financial Assurance

safety-kleen

PROTECTION·CHOICES·PEOPLE
MAKE GREEN WORK

VIA FEDERAL EXPRESS TRK #774334356800

July 22, 2021

Ms. Lillian McFadden
Compliance & Enforcement Division
Bureau of Land and Waste Management
S.C. Department of Health & Environmental Control
2600 Bull Street
Columbia, SC 29201

RE: Renewed Financial Assurance Closure Policy and Annual Inflation Increases
Safety-Kleen Systems, Inc. Greer - EPA ID No. SCD981031040
Safety-Kleen Systems, Inc. Lexington - EPA ID No. SCD077995488

Dear Ms. McFadden:

Please find enclosed (2) original signed Certificate of Insurance for Closure and/or Post Closure Care issued by Great American Insurance Company for the Safety-Kleen Systems locations indicated above.

This is a policy renewal; both locations are on the same policy. The new policy number is CPC E601050 0**1**. The policy is effective July 31, 2021 through July 31, 2022.

The Closure amounts have been adjusted for inflation by a Factor of 1.012, which was provided by you in an email dated 6/10/21.

Greer: $130,269 x 1.012 = $131,832

Lexington: $1,557,809 x 1.012 = $1,576,503

If you have any questions or concerns regarding this submittal, please feel free to contact me by phone at 219-746-5050 or by e-mail at Harvey.Pamela@cleanharbors.com.

Sincerely,

Pamela K. Harvey

Pamela K. Harvey, CHMM
Sr. Manager Environmental Compliance

Enclosures

Harvey, Pamela

From: McFadden, Lillian <mcfaddln@dhec.sc.gov>
Sent: Thursday, June 10, 2021 12:09 PM
To: Harvey, Pamela
Subject: Re: Request for approval of GAIC Closure Policy and release of INdian Harbor policy

Pamela,

The inflation factor 1.012 is correct.

Let me know if you have any other questions.

Lillian McFadden
Compliance & Enforcement Division
Bureau of Land & Waste Management
S.C. Department of Health & Environmental Control
2600 Bull Street, Columbia SC 29201
Office: (803) 898-0486

Fax: (803) 898-1415
E-mail: mcfaddln@dhec.sc.gov
Connect: **www.scdhec.gov** **Facebook** **Twitter**

From: Harvey, Pamela <Harvey.Pamela@cleanharbors.com>
Sent: Wednesday, June 9, 2021 11:42 AM
To: McFadden, Lillian <mcfaddln@dhec.sc.gov>
Cc: Lindler, Marty <lindlema@dhec.sc.gov>
Subject: RE: Request for approval of GAIC Closure Policy and release of INdian Harbor policy

Hi Lillian,
I had a note in my files to confirm this years Inflation Factor with you. By my calculations it is 1.0121. Do you agree?
Thank you,
Pam

Pamela K. Harvey, CHMM
Sr. Environmental Compliance Manager
Clean Harbors Environmental Services, Inc.
610 131st Place
Hammond, IN 46327

GREAT AMERICAN INSURANCE GROUP
Environmental Division

397 Eagleview Blvd, Suite 100
Exton, PA 19341
888.828.4320 ph

CERTIFICATE OF INSURANCE FOR CLOSURE AND/OR POST-CLOSURE CARE

Name and Address of Insurer (herein called the "Insurer"):

Great American Insurance Company
301 E. 4th Street
Cincinnati, OH 45202

Name and Address of Insured, (herein called the "Insured"):

Clean Harbors, Inc.
42 Longwater Drive
Norwell, MA 02061

FACILITIES COVERED:

EPA ID Number:	SCD 981 031 040
Name:	Safety-Kleen Systems, Inc.
Address:	2818 Old Woodruff Road Greer, SC 29651
Amount Insured for Closure Care:	$131,832

(These amounts for all facilities covered must total the face amount below.)

FACE AMOUNT:	$1,708,335
Policy Number:	CPC E601050 01
Effective Date:	July 31, 2021

The Insurer hereby certifies that it has issued to the Insured the policy of insurance identified above to provide financial assurance for closure for the facilities identified above. The Insurer further warrants that such policy conforms in all respects with the requirements of the Department including R61-79.264.143(e) and 264.145(e), 265.143(d), and 265.145(d), as applicable and as such regulations were constituted on the date shown immediately below. It is agreed that any provision of the policy inconsistent with such regulations is hereby amended to eliminate such inconsistency.

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Environmental Division

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888.828.4320 ph

Whenever requested by the South Carolina Department of Health and Environmental Control, the Insurer agrees to furnish to the Department a duplicate original of the policy listed above, including all endorsements thereon.

I hereby certify that the wording of this certificate is identical to the wording specified in R.61-79.264-151(e) as such rule was constituted on the date shown immediately below.

(Authorized signature for Insurer)

Rick Ringenwald, Divisional Vice President, Executive Underwriter
(Authorized Representative of Great American Insurance Company)

(Signature of witness or notary)

7/13/2021
(Date)

SEAL:

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Patrick J. Mahoney, Notary Public
Uwchlan Twp., Chester County
My Commission Expires Sept. 27, 2021
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

GREAT AMERICAN INSURANCE GROUP
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Name and Address of Insurer (herein called the "Insurer"):

Great American Insurance Company
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Cincinnati, OH 45202

Name and Address of Insured, (herein called the "Insured"):

Clean Harbors, Inc.
42 Longwater Drive
Norwell, MA 02061

FACILITIES COVERED:

EPA ID Number:	SCD 077 995 488
Name:	Safety-Kleen Systems, Inc.
Address:	130 A. Frontage Road Lexington, SC 29072
Amount Insured for Closure Care:	$1,576,503

(These amounts for all facilities covered must total the face amount below.)

FACE AMOUNT:	$1,708,335
Policy Number:	CPC E601050 01
Effective Date:	July 31, 2021

The Insurer hereby certifies that it has issued to the Insured the policy of insurance identified above to provide financial assurance for closure for the facilities identified above. The Insurer further warrants that such policy conforms in all respects with the requirements of the Department including R61-79.264.143(e) and 264.145(e), and 265.143(d), and 265.145(d) as applicable and as such regulations were constituted on the date shown immediately below. It is agreed that any provision of the policy inconsistent with such regulations is hereby amended to eliminate such inconsistency.

Whenever requested by the South Carolina Department of Health and Environmental Control, the Insurer agrees to furnish to the DEPARTMENT a duplicate original of the policy listed above, including all endorsements thereon.

GREAT AMERICAN INSURANCE GROUP
Environmental Division

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888.828.4320 ph

I hereby certify that the wording of this certificate is identical to the wording specified in R.61-79.264-151(e) as such rule was constituted on the date shown immediately below.

(Authorized signature for Insurer)

Rick Ringenwald, Divisional Vice President, Executive Underwriter
(Authorized Representative of Great American Insurance Company)

(Signature of witness or notary)

7/13/2021
(Date)

SEAL:

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Patrick J. Mahoney, Notary Public
Uwchlan Twp., Chester County
My Commission Expires Sept. 27, 2021
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Section J

Table of Contents

J. OTHER STATE AND FEDERAL LAWS

In addition to the hazardous waste management facility permit herein applied for, the Safety-Kleen Lexington Recycle Center complies with applicable state and federal environmental regulations. Permits from the South Carolina Department of Health and Environmental Control Bureau of Air Pollution Control are required for the construction and operation of the Lexington facility.

In compliance with R.61-79.270.14(b)(2), and R.61-79.270.3, Safety-Kleen does not believe that the Lexington Recycle Center is subject to any of the federal laws delineated under R.61-79.270.3: Wild and Scenic Rivers Act, National Historic Preservation Act of 1966, Endangered Species Act, Coastal Zone Management Act, and Fish and Wildlife Coordination Act.

J.1 HAZARDOUS WASTE MANAGEMENT PLANNING REGULATION NO. 61-99

Regulation No. 61-99 states:

> "This regulation shall apply to applicants for permits to establish or expand facilities for treatment, storage or disposal of hazardous waste; provided, however that it shall not apply to facilities, who lawfully use or reuse the hazardous waste to make a product and demonstrate that the hazardous waste is a safe and environmentally acceptable substitute for raw materials."

Safety-Kleen believes this exclusion applies to the wastes managed at the Recycle Center. In 2007, over 15 million gallons of contaminated solvent were processed and reclaimed by Safety-Kleen (at all of their facilities) to be sold as

usable product. In addition, all transportation, storage and handling of the hazardous wastes is done in accordance with applicable State and Federal Regulations. Therefore, Safety-Kleen does "lawfully use ... the hazardous waste to make a product..."

There are no typical "raw materials" used in the Safety-Kleen process. Since Safety-Kleen began operations over 30 years ago, the "raw materials" used have been hazardous wastes received from off-site generators, therefore, the need to "demonstrate that the hazardous waste is a safe and environmentally acceptable substitute for raw materials" does not apply.

J.2 HAZARDOUS WASTE MANAGEMENT LOCATION STANDARDS

Safety-Kleen has submitted, previously, a Location Standards Compliance Report dated August 20, 1991.

In response to past Department comments, Safety-Kleen has also commissioned and submitted several addendums to the original report. These are listed below:

Report Prepared By:	Date Completed:
RMT	September 1992
Virogroup	September 1993
J.K.B.&B. (DS Atlantic)	April 1998

Section K

SAFETY-KLEEN SYSTEM, INC., LEXINGTON, SC

SCD077995488

RCRA PART B PERMIT APPLICATION

OWNER/OPERATOR CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: 

Name: David A. DeSha / Director Environmental Compliance

Date: 8/31/2021

K-2 ENGINEERING CERTIFICATION

ENGINEERING CERTIFICATION STATEMENT
SAFETY- KLEEN SYSTEMS. INC.
130-A FRONTAGE ROAD
LEXINGTON, SOUTH CAROLINA

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____

Name: J.W. Caldwell, PE / VP Technology/Cost Management

Date: August 26, 2021

SECTION L

SOLID WASTE MANAGEMENT UNITS SUBJECT TO CORRECTIVE ACTION

SECTION L. SOLID WASTE MANAGEMENT UNITS SUBJECT TO CORRECTIVE ACTION

L-1 SWMUs

Four Solid Waste Management Units (SWMUs) and two Areas of Concern (AOC) were identified for inclusion in a RCRA Facility Investigation (RFI) as part of corrective action by an August 1986 RCRA Facility Assessment (RFA)[1] and during later closure and property acquisition activities. These units are listed below.

AOC-A, Soils Beneath the Main Building;
AOC-B, Former Columbia Engineering site;
SWMU #1, the Former Mineral Spirits Tank Area;
SWMU #13, Former Immersion Cleaner (IC) Process Area;
SWMU #14, Sanitary Septic System; and
SWMU #15, 550-gallon No. 2 Fuel Oil Tank

A description of the SWMUs and AOCs is provided in the following subsections. Each of the SWMUs and AOCs was investigated during the RFI conducted between 1992 and 2002. The primary goals of the investigation were to determine the nature and extent of impacts to soil and groundwater at four SWMU and two AOCs. Findings concerning potential releases as determined from the RFI are summarized in Section L2. A comprehensive presentation of work performed and results generated during the facility investigation is presented in the RFI Report[2].

L-1a AOC-A – Soils Beneath the Main Building

The Main Process Building (AOC-A) is located on the northeast portion of the Safety-Kleen site along the property margin near the frontage road (Figure 1). The recycling of mineral spirits from Safety-Kleen's parts washing service has been conducted since 1975 in the older, eastern portion of the building using distillation equipment. The western portion of this building was constructed in 1985 and was used until 1991 for the recycling of solvents from spent dry- cleaning filters and mineral spirits sludge and for the recycling of photochemical wastes between 1996 and 1998.

The building is of cement block construction with a 6 to 8-inch thick concrete floor. In the newer, western addition, the concrete floor is curbed and was constructed with floor drains connected to two sumps via underground, four-inch, cast iron piping. Spills that occurred in connection with processing operations were recovered at the sumps. In 1988, the floor drain system was tested for leakage and failed. The drainpipes were subsequently taken out of service and abandoned in place by filling them with cement. The sumps were investigated and removed in 1988 and replaced with blind (no outlet) stainless steel sumps, sealed in place at the locations of the old sumps.

[1] Ebasco Services, Inc. 1986. Interim RFA Report, Safety-Kleen Corporation, Lexington, S.C., 1986.
[2] Cameron-Cole, LLC. 2002. RCRA Facility Investigation Report, Safety-Kleen Lexington Recycle Center, Lexington, South Carolina. May 31, 2002 revised October 25, 2002.

The dry-cleaning wastes that were processed in the main building typically contained PCE, the most common solvent used by the dry-cleaning industry, but they may have also included mineral spirits or freon (trichlorotrifluroethane), which are less commonly used dry-cleaning solvents. Spent mineral spirits from the parts washing service that is processed in the building is very similar to virgin mineral spirits in that they are primarily C9 to C13 hydrocarbons, with C8 hydrocarbons present in low percentages, though various extraneous constituents may be introduced during use. Some of the most common of these constituents include chlorinated solvents and substances found in used oil and grease (e.g., benzene, PAHs and lead). The photochemical waste that was recycled to recover silver consisted of standard developer and fixer solutions. Chemical constituents in photochemical waste include volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and silver.

As summarized in a January 12, 2005 letter from DHEC, on June 12, 2004 the Department concurred with the conclusions of the risk screening evaluation, last revised December 12, 2003, in that soil contaminant concentrations were not significant to merit a risk assessment and a CMS was not needed. Corrective action for groundwater is ongoing.

L-1b AOC-B – Former Columbia Engineering Site

The former Columbia Engineering site encompasses a 0.67-acre area east of the main building and north of Tank farm No. 2 (Figure 1). This property was purchased by Safety-Kleen in December of 1994 and became a part of the Safety-Kleen Lexington Recycle Center at that time. The property includes one building that includes an office and warehouse area. The building is used by Safety-Kleen for the storage of files and inactive equipment. No operations have been conducted by Safety-Kleen on this property since its acquisition. Prior to the purchase, Columbia Engineering operated a steel fabrication and machine workshop in the building since 1968. A septic system is located on the north side of the building and a water well, not currently in use, is located on the south side of the building. The septic system has been in place since the late 1960s or early 1970s. Labeled drums and buckets containing oil, hydraulic fluid, paint thinner and roof cement were noted inside the building during an environmental site assessment (ESA) site visit performed in 1992. The floor of the building was previously earthen, but has been covered with concrete for many years. Outside the southwest corner of the building an above ground storage tank (AST) formerly existed and was used to store kerosene, originally used for heating. Nine 55-gallon drums and numerous smaller drums were noted during the 1992 ESA in the area near the AST and contained varying amounts of a substance that had an appearance of "old oil". None of the materials were sampled during the ESA. The property was cleared of all materials prior to its transfer to Safety-Kleen.

As summarized in a January 12, 2005 letter from DHEC, on June 12, 2004 the Department concurred with the conclusions of the risk screening evaluation, last revised December 12, 2003, in that soil contaminant concentrations were not significant to merit a risk assessment and a CMS was not needed. The letter also concluded that corrective action for groundwater should continue.

L-1c SWMU #1 – Former Mineral Spirits Tank Area

The former Mineral Spirits Tank Area was the location for two 12,000-gallon underground storage tanks (USTs). The site is located immediately south of the service center building, near the southern property line and along the right-of-way of U.S. Interstate 20 (Figure 1). Each tank was approximately 19 feet long and 10.5 feet in diameter. The tank closest to the service center building was used to store spent mineral spirits and the tank closest to Interstate 20 was used to store clean mineral spirits.

Both USTs and associated product piping were removed in October and November 1989 in accordance with an approved closure plan. The tanks were in good condition when removed with no holes or deep pitting observed.

A total of five soil grab samples (SS-001 through SS-005) were collected when the USTs were removed. The laboratory analytical results indicated the presence of mineral spirits, aromatic hydrocarbons and chlorinated solvents in the two soil samples obtained beneath the spent mineral spirits tank and the dumpster pad. All other samples obtained during the excavation contained no detections for the constituents of concern analyzed.

In a January 12, 2005 letter, DHEC approved No Further Action for this SWMU.

L-1d SWMU #13 – Former IC Process Area

This area was used from 1976 to 1990 to receive, empty, and clean drums of spent immersion cleaner (IC) and then to refill the cleaned drums with new immersion cleaner. The work was conducted in the 40-foot by 55-foot northern portion of the building complex located in the northeast corner of the site and south of Tank farm No. 2 (Figure 1). The floor of the building is 6 to 8-inch thick concrete. No ancillary equipment or processing equipment is located outside of secondary containment or exterior to the process building. There is no record or knowledge of any underground piping at this unit.

Processing is no longer conducted in this building. When in operation, spent immersion cleaner was received in 16-gallon drums at the rate of 500 drums per week. The contents of the drums were emptied into an open top wet dumpster. The drums were then rinsed at a washing station. Clean drums and five-gallon pails were filled with fresh immersion cleaner product and shipped off-site to customers. The spent immersion cleaner in the dumpster was pumped to the adjoining building area to the south for decanting prior to storage.

Immersion cleaner is a solvent product sold and recycled by Safety-Kleen as a package service. Immersion cleaner is typically used in vehicle maintenance garages to clean parts, such as automatic carburetors, with difficult to remove gum or carbon deposits. The only waste managed when IC processing operations were conducted at the IC Process Building was the "old formula" immersion cleaner. This formula consisted of a water phase and solvent phase. The water phase was comprised of water and inhibitors, whereas the solvent phase was comprised of methylene chloride, orthodichlorobenzene (1,2 dichlorobenzene), cresylic acid and an amine additive. Spent

solvents may also contain cadmium, chromium and lead.

In a January 12, 2005 letter, DHEC approved No Further Action for this SWMU.

L-1e SWMU #14 – Sanitary Septic Field

SWMU #14 is located on the north side of the east part of the Main Process Building (Figure 1) and consists of a septic tank and drain field. The system was reportedly constructed with a 1,000-gallon tank and 200 feet of drain tile covering an area approximately 20 feet by 40 feet. The reported depth of the drain field is three feet below ground surface (bgs). The septic tank was installed in 1975 and used until 1994. The use of the tank was discontinued in 1994 upon completion of a tie-in to a municipal sewer line. The septic system was used for the disposal of sanitary waste and boiler and cooling tower water blowdown. Due to a piping and operational error, water and mineral spirits were inadvertently discharged to the septic system during the period between late 1981 and the spring of 1982 from the water/mineral spirits decanter of a steam ejector condenser associated with the distillation unit used in mineral spirits recycling in the main building.

As summarized in a January 12, 2005 letter from DHEC, on June 12, 2004 the Department concurred with the conclusions of the risk screening evaluation, last revised December 12, 2003, in that soil contaminant concentrations were not significant to merit a risk assessment and a CMS was not needed. The letter also concluded that corrective action for groundwater should continue.

L-1f SWMU #15 - 550-Gallon No.2 Fuel Oil Tank:

This former underground Fuel Oil Tank was located immediately southeast of the Service Center building at the southern portion of the site (Figure 1). The permitted removal of the tank occurred on June 20, 1994. A Certificate of Tank Disposal was issued the same day. The tank was reportedly in good condition when removed and had no apparent holes or pitting. However, stained soil was observed in the area of the filler pipe during removal. Safety-Kleen does not have any drawings of the unit, but discussions with facility personnel indicate that the filler pipe apparently projected vertically upward from the tank (i.e., perpendicular to the tank) to a height of approximately one foot above ground. It is not known whether the filler pipe was located on the end or center of the tank. The tank excavation extended to a depth of eight feet. No evidence of groundwater contamination was reported.

The tank was used to store No. 2 diesel fuel oil for a heater. Analysis of the tank contents prior to removal indicated 99.8 percent No. 2 diesel fuel oil and the remainder water.

In a January 12, 2005 letter, DHEC approved No Further Action for this SWMU.

L-2 Corrective Action

A corrective action program is ongoing at the facility. This program has progressed through the performance of a RCRA Facility Investigation (RFI), a soil and groundwater risk evaluation, interim measures implementation, and an evaluation that provides the basis for selection of the interim measures as the final remedy. A summary of these components of the corrective action work at the site is presented in the subsections below. The previous agency-submitted documents that provide detailed information are referenced below. A Reference List for Sections E and L is provided in Appendix A of this application.

L-2a RCRA Facility Investigation (RFI)

A RFI was performed in two phases between 1992 and 2002 in accordance with a 1992 Phase I Work Plan[3] and a 2001 Phase II Work Plan[4]. The RFI was implemented to define the nature and extent of contamination associated with potential releases from the four SWMUs and two AOCs described in Section L-1 of this application.

A total of 150 soil borings were drilled during the RFI and over 240 soil samples were collected and analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH) and/or metals. A total of 28 monitoring wells were installed at the site and 100 groundwater samples were collected and analyzed. Geotechnical analyses were also performed on 11 different samples of soil and aquifer testing was conducted at five of the monitoring wells.

[3] Geraghty & Miller, Inc. 1992. RFI Work Plan for Safety-Kleen Corporation, Lexington, South Carolina, June 1991—Amended September 1992.

[4] Cameron-Cole, LLC. 2001. Phase II RFI Work Plan, Safety-Kleen Systems, Inc., Recycle Center, Lexington, South Carolina, Revised August 31, 2001.

An RFI Report[5] summarizing the results of the investigation was completed in October 2002 and was approved by DHEC on November 25, 2002. The RFI identified limited soil contamination. A groundwater plume was identified consisting of low to moderate concentrations of chlorinated solvents extending approximately 300 feet offsite from the area of the Main Process Building (AOC-A and SWMU #14) and loading dock. Constituents in this plume consisted of tetrachloroethene (PCE), cis-1,2-dichloroethene (cis-1,2-DCE), and trichloroethene (TCE). A smaller onsite plume of 1,1,1-trichloroethane (TCA) and related compounds were identified at AOC-B.

L-2b Risk Based Evaluation of Soil and Groundwater

A risk-based evaluation of the RFI soil and groundwater quality data was completed in December 2003[6]. The evaluation was performed to determine if conditions at the site warrant corrective action based on comparison to conservative screening criteria (USEPA Region 9 Preliminary Remediation Goals (PRGs), Soil Screening Levels (SSLs), and State of South Carolina Maximum Contaminant Levels (MCLs)). The evaluation concluded that no further action was warranted for soil, but that MCLs were exceeded for some constituents in groundwater. In a letter of January 12, 2005[7], DHEC concurred that no further action was required for soil or groundwater at SWMUs 1, 13 and 15, and indicated that corrective action for groundwater was warranted at AOC-A, AOC-B, and SMWU #14. No specific corrective measures for soil were required at the latter areas at the time.

L-2c Interim Measures

In conjunction with the completion of the RFI, an *Interim Measures Work Plan for Remediation* dated December 4, 2002[8] was prepared describing a program of in-situ chemical oxidation (ISCO) and monitoring to treat the offsite groundwater plume. ISCO is a remediation technology that involves the introduction of chemical oxidants into the subsurface to chemically destroy contaminants by oxidation. ISCO was selected because it has demonstrated success in remediation of sites contaminated with chlorinated solvents. The injection program was designed to reduce the concentrations of dissolved chlorinated solvents in shallow groundwater to levels below MCLs. ISCO was determined to be more cost-effective than alternatives such

[5] Cameron-Cole, LLC. 2002. RCRA Facility Investigation Report, Safety-Kleen Lexington Recycle Center, Lexington, South Carolina. May 31, 2002 revised October 25, 2002.

[6] Risk Based Evaluation of Soil and Groundwater Conditions, Safety-Kleen Systems, Inc., Lexington Recycle Center, Lexington, South Carolina. October 16, 2003 amended December 30, 2003.

[7] SC DHEC, 2004. Letter dated January 12, 2004 from Johnny Tapia, SC DHEC, to Robert Schoepke, Safety-Kleen Systems, Inc. RE: Fourth-Event Performance Monitoring Report – GW Interim Measures and Semi-Annual Groundwater Monitoring at wells MW-5S (SWMU #1), GM-1, GM-2, GM-3 (AOC-B).
[8] Cameron-Cole 2002. Interim Measures Work Plan for Remediation, Safety-Kleen Lexington Recycle Center. October 11, 2002.

as air sparging coupled with soil vapor extraction (AS/SVE) that require considerable investment of capital and ongoing operations and maintenance.

Potassium permanganate was selected as the most appropriate chemical oxidant for the site because it is effective in destroying the specific chlorinated compounds present in site groundwater, because there are no other incompatible compounds present in the plume, and because it is safe and easy to handle. Potassium permanganate is a very stable compound, reacting only with organic compounds, organic carbon in soil, and reduced metals species to produce the innocuous byproducts water, chloride, carbon dioxide and manganese dioxide. The stability of permanganate allows it to persist in the subsurface for a long period of time to destroy chemical contaminants until, eventually, it is consumed through reaction with naturally- occurring materials.

A total of 20,450 pounds of potassium permanganate was injected in 126 borings in March 2003. The borings were distributed across onsite and offsite areas to facilitate dispersal of permanganate across the entire plume within three years. An additional injection of 5,280 pounds of potassium permanganate was conducted at 33 borings in July 2004 to treat the smaller onsite plume at AOC-B. Supplemental permanganate injection was conducted at 18 borings in October 2005 to enhance treatment in recalcitrant areas. The locations of the injection borings, which were plugged and abandoned immediately following injection, are shown on Figure 2.

Routine groundwater performance monitoring began following the initial permanganate injection in 2003. The planned period of performance for the potassium permanganate injection in the main plume was three years as described in the Interim Measures Work Plan. This timeframe was selected to allow for the complete dispersal of the permanganate across the plume based on the injection spacing. Performance monitoring was conducted at 19 monitoring wells in the plume and at its margins. Groundwater samples were collected from each well during a baseline sampling event and at 3, 6, 12, 18, 24, 30 and 36 months following the permanganate injection. Samples were analyzed for VOCs and tested for permanganate to monitor the progress of dispersal across the site.

Metals analyses were also performed during the baseline event and 36-month event. With the application of permanganate, naturally occurring metals in the soil may be oxidized to more soluble forms (e.g., hexavalent chromium) and dissolve into the aqueous phase. However, once the permanganate has reacted, oxidized metals in the subsurface are expected to be re-reduced to their insoluble forms. The metals analyses were performed to ensure that no adverse concentrations of dissolved metal species remained in groundwater at the end of the injection and monitoring program. Metals analyses for dissolved lead, copper, chromium (filtered samples analyzed for all ionic species) and hexavalent chromium were conducted during the 36-month monitoring event for comparison to concentrations measured during the baseline event.

Interim reporting of the progress of the injection program was provided to DHEC after each sampling event. The 36-month sampling event that concluded the 3-years of planned monitoring was performed in May 2006 and monitoring continued semi-annually thereafter.

An evaluation of the results of the permanganate injection was made following the October 2006 sampling event. The results indicated that since the implementation of permanganate injection, the concentrations of target VOCs (PCE, cis-1,2-DCE and TCE) were reduced by approximately 90 percent compared to the maximum detectable concentrations of PCE, cis- 1,2-DCE and TCE during the of the RFI prior to the interim measures. All offsite concentrations of VOCs were reduced to concentrations below MCLs by April 2005 and the constituents cis-1,2-DCE and TCE have declined to below detection limits at all monitoring wells.

L-2d Final Remedy Selection Process

Based on these favorable results of the interim measures, Safety-Kleen prepared an evaluation providing justification for the selection of the interim measures as the final remedy, which was submitted to DHEC in 2006[9] and subsequently revised 2007[10]. This information was prepared in lieu of a Corrective Measures Study (CMS) in consultation with DHEC, and based on USEPA guidance outlining an approach for providing latitude in accepting results-based corrective action demonstrations. The U.S. Environmental Protection Agency (EPA) fact sheet entitled "Final Remedy Selection for Results-Based RCRA Corrective Action", March 2000, compares the differences between interim and final remedies, and describes the selection process for final RCRA remedies. The approach is based primarily on documenting how the remedy will achieve the three performance standards with supplemental evaluation based on seven balancing criteria.

Performance Standards

- Provide long-term protection of human health and the environment based on reasonably-anticipated land uses;
- Achieve media cleanup objectives; and
- Remediate the source of releases.

Balancing Criteria

- Long-Term Effectiveness;
- Toxicity, Mobility, and Volume Reduction;
- Short-Term Effectiveness;
- Implementability;

[9] Safety-Kleen Systems, Inc. 2006. Letter dated December 19, 2006 from Robert Schoepke, Safety-Kleen Systems, Inc., to Crystal Rippy, South Carolina Department of Environmental Control regarding: Final Groundwater Remedy Selection, Safety-Kleen Systems, Inc. Recycle Center, Lexington, South Carolina, SCD 077 995 488.

[10] Safety-Kleen Systems, Inc. 2007. Letter dated July 6, 2007 from Robert Schoepke, Safety-Kleen Systems, Inc., to Rachel Donica, South Carolina Department of Environmental Control regarding: Final Groundwater Remedy Selection – Revised, Safety-Kleen Systems, Inc. Recycle Center, Lexington, South Carolina, SCD 077 995 488.

- Cost;
- Community Acceptance; and
- State Acceptance.

Final Remedy Performance Standards

The effectiveness of the potassium permanganate injection program was evaluated against the three RCRA performance standards to assess whether the interim measures are appropriate as the final groundwater remedy for the site.

The first standard, long-term protection of human health and the environment requires consideration of current and reasonably expected future land uses, and the location of potential receptors. The site is zoned for industrial use. Current land use in the vicinity of the facility consists of industrial, commercial, and residential uses. An industrial site and vacant land are located downgradient of the site with respect to groundwater flow (Figure 1) and overlie the area of the former groundwater plume. The industrial site was a brick manufacturing plant owned and operated by the Boral Brick Company. TideWater Boats LLC now owns the property and manufactures boats. The area to the west of the boat plant that also overlies the area of the former groundwater plume is an open field. Potential receptors in these downgradient areas were identified during the RFI by locating off-site water wells. The closest private residential water supply wells are located approximately 2,000 feet hydraulically downgradient of the plume. These wells are located considerably beyond the maximum recorded extent of the plume (Figure 1) and it was determined that they were not threatened by the groundwater plume. A water supply well for the TideWater Boats LLC is located approximately 200 feet downgradient or cross-gradient of the plume. This well is constructed in the bedrock aquifer to a total depth of 285 feet and similarly was not threatened by the plume in the shallow aquifer.

Off-site conditions and land use are protective of human health. It is reasonable to expect continued industrial use at the property occupied by the TideWater Boats LLC. Irrespective of changes in land use, as long as groundwater concentrations downgradient of the site continue to remain below MCLs, which are the regulatory standards applicable to residential drinking water, long-term protection of public health and the environment will be achieved. The results of recent groundwater sampling and analysis at the site indicate that offsite VOC concentrations in groundwater are below laboratory reporting limits. New detections of VOC's are not anticipated due to removal of the contaminant source, recent remediation in the form of permanganate injections, and natural attenuation of VOCs. Additionally, soil quality levels in the source area pass EPA screening criteria, and onsite upgradient groundwater concentrations continue to decrease. These factors reduce the opportunity for rebound in the offsite plume. A program of onsite groundwater sampling and analysis will be continued several more years (see last section below on Groundwater Monitoring Program) to demonstrate compliance of the long-term effectiveness goal.

The second RCRA performance standard of meeting the groundwater cleanup objective has been achieved as defined by the results of the performance monitoring program. As described in the preceding section, concentrations of the target constituents in the offsite monitoring well network are now below reporting limits and/or MCLs and monitoring of those wells has been

discontinued.

The third performance standard, which is to address the source(s) of the release, has also been achieved. As previously noted, the source of the release was leaking sub-floor drainpipes and sumps, which were removed shortly following their discovery in 1988. A subsequent evaluation of soils quality data beneath the floor of the building by a comparison to applicable screening criteria indicated that soils did not warrant removal, and as described above, no further action for soils was approved by the SCDHEC in a letter of January 12, 2004. At onsite wells TMW-11D and TMW-15D, the remaining low concentrations of PCE are consistent with site-wide reduction in concentrations that has been observed due to the permanganate injection. Concentrations are expected to further decline as remaining permanganate observed at these locations continues its normal reaction process. In addition, decreasing concentrations of VOCs in groundwater were observed during the RFI prior to the Interim Measure implementation, supporting the conclusion that the soils are not a significant ongoing source of contaminants to groundwater contamination. Therefore, soil remediation at the site has not been identified as a cleanup objective as noted in the January 12, 2005 letter from DHEC.

Balancing Criteria

The potassium permanganate injection program has proven favorable at the site with regard to key balancing criteria (short-term effectiveness, reduction of contaminant toxicity/mobility/volume, implementability, and cost), and similar long-term effectiveness is expected. The extent and concentrations of VOCs in groundwater have been significantly reduced as a result of the interim measures implementation. Because potassium permanganate destroys the VOCs, it reduces or eliminates their toxicity, mobility, and volume.

Regularly scheduled groundwater monitoring activity will continue in order to monitor the long-term effectiveness of the remedy. A proposed program of groundwater monitoring is described below to supplement the current data set and enhance the evaluation of long-term effectiveness. Additional injection events could be implemented in the future, if warranted based on the data evaluation and groundwater monitoring results.

Initial implementability of the potassium permanganate injection program was relatively simple. The injection points consisted of temporary borings advanced to five to ten feet below the water table using a direct-push rig. The spacing of injection borings necessary to achieve complete dispersal was calculated based on the lateral dispersion of permanganate from an injection point in one row, downgradient toward the next row. The total volume of permanganate required was estimated based on the results of a bench-scale test of soil oxidant demand (SOD). At each boring, potassium permanganate was applied via pressure injection. Following the chemical application, the boreholes were plugged and abandoned. No operation or maintenance was required between injection events. Subsequent injection events have been similar but smaller in extent due to the diminished areal extent of the VOCs in groundwater.

The approximate costs of the entire program, which included three injection events, were $300,000. This included project management, chemical costs, subcontractors and field oversight. These costs are considered reasonable, particularly with regard to the results achieved, and relatively low compared to other groundwater remediation alternatives such as AS/SVE.

Community acceptance of the groundwater remedy has proven effective and had no adverse impact on surrounding properties, there is no indication that the remedy is unacceptable to the public.

Final Remedy Selection and Groundwater Monitoring Program

The performance characteristics and favorability with respect to the balancing criteria of the interim measures support their acceptance as the final groundwater remedy for the site without the need for the performance of a formal Corrective Measures Study (CMS). In a December 12, 2008 letter[11], DHEC concurred that a CMS was not necessary and accepted the final remedy selection.

Continued groundwater monitoring will be performed as part of the remedy. The groundwater performance monitoring program is described in Section E-9e of the permit application.

[11] December 12, 2008 letter from Lynne D. Garner, South Carolina Department of Environmental Control to Robert Schoepke, Safety-Kleen Systems, Inc. RE: Approval of Final Groundwater Remedy Selection, Safety-Kleen Systems, Inc., SCD 007 995 488.

APPENDIX A

References

SECTION E and L. REFERENCES

SAFETY-KLEEN SYSTEMS, LEXINGTON RECYCLE CENTER RCRA PERMIT APPLICATION

Cameron-Cole, LLC. 2001. Phase II RFI Work Plan, Safety-Kleen Systems, Inc., Recycle Center, Lexington, South Carolina, Revised August 31, 2001.

Cameron-Cole, LLC. 2002a. RCRA Facility Investigation Report, Safety-Kleen Lexington Recycle Center, Lexington, South Carolina. May 31, 2002 revised October 25, 2002.

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Geraghty & Miller, Inc. 1992. RFI Work Plan for Safety-Kleen Corporation, Lexington, South Carolina, June 1991—Amended September 1992.

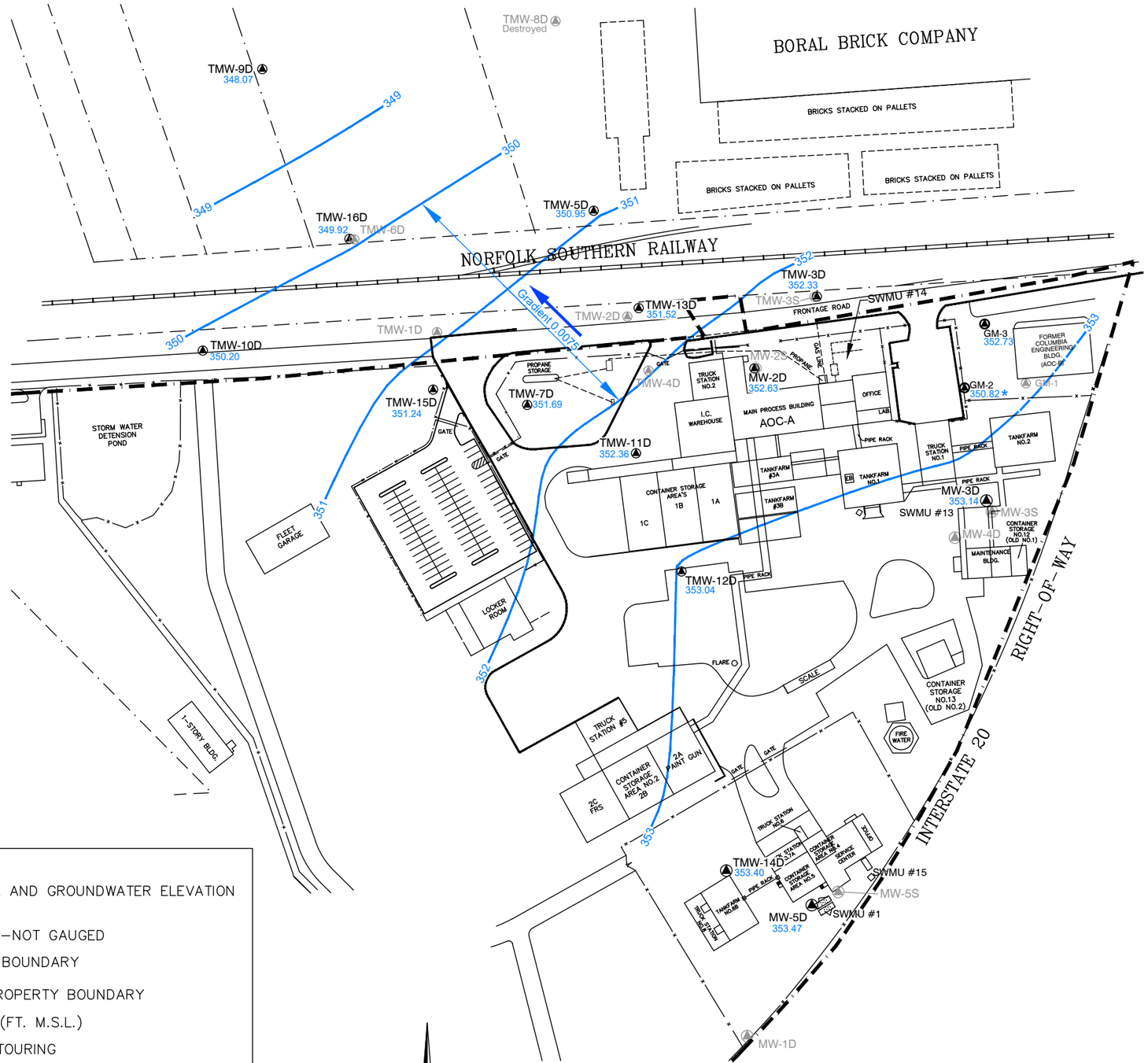
SC DHEC, 2005. Letter dated January 12, 2005 from Johnny Tapia, SC DHEC, to Robert Schoepke, Safety-Kleen Systems, Inc. RE: Fourth-Event Performance Monitoring Report – GW Interim Measures and Semi-Annual Groundwater Monitoring at wells MW-5S (SWMU #1), GM-1, GM-2, GM-3 (AOC-B).

SC DHEC, 2008. December 12, 2008 letter from Lynne D. Garner, South Carolina Department of Environmental Control to Robert Schoepke, Safety-Kleen Systems, Inc. RE: Approval of Final Groundwater Remedy Selection, Safety-Kleen Systems, Inc., SCD 007 995 488.

Safety-Kleen Systems, Inc. 2006. Letter dated December 19, 2006 from Robert Schoepke, Safety-Kleen Systems, Inc., to Crystal Rippy, South Carolina Department of Environmental Control regarding: Final Groundwater Remedy Selection, Safety-Kleen Systems, Inc. Recycle Center, Lexington, South Carolina, SCD 077 995 488.

Safety-Kleen Systems, Inc. 2007. Letter dated July 6, 2007 from Robert Schoepke, Safety-Kleen Systems, Inc., to Rachel Donica, South Carolina Department of Environmental Control regarding: Final Groundwater Remedy Selection – Revised, Safety-Kleen Systems, Inc. Recycle Center, Lexington, South Carolina, SCD 077 995 488.

Figures



LEGEND

- MW-3D 351.20 — EXISTING MONITORING WELL AND GROUNDWATER ELEVATION (FT. M.S.L.)
- MW-1D — EXISTING MONITORING WELL—NOT GAUGED
- SAFETY-KLEEN PROPERTY BOUNDARY
- APPROXIMATE OFF-SITE PROPERTY BOUNDARY
- 350.04 — GROUNDWATER ELEVATION (FT. M.S.L.)
- * — DATA NOT USED FOR CONTOURING
- 350 — GROUNDWATER ELEVATION CONTOUR (FT. M.S.L.)
- INFERRED GROUNDWATER ELEVATION CONTOUR (FT. M.S.L.)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

Note:
Shallow monitoring wells ("S" wells) set in perched aquifer are not contoured.

N

0 160
FEET

	BY	DATE
DRAWN	JGM	06/15/21
CHECKED		
REVISED		
APPROVED		
APPROVED		
APPROVED		

Cameron-Cole
5777 CENTRAL AVENUE, SUITE 200
BOULDER, COLORADO 80301
PHONE: (303) 938-5500
http://www.cameron-cole.com

FIGURE 1

POTENTIOMETRIC SURFACE MAP
APRIL 29, 2021
SAFETY-KLEEN RECYCLE CENTER - LEXINGTON, SC

SCALE: 1" = 160'

PROJECT: 1201

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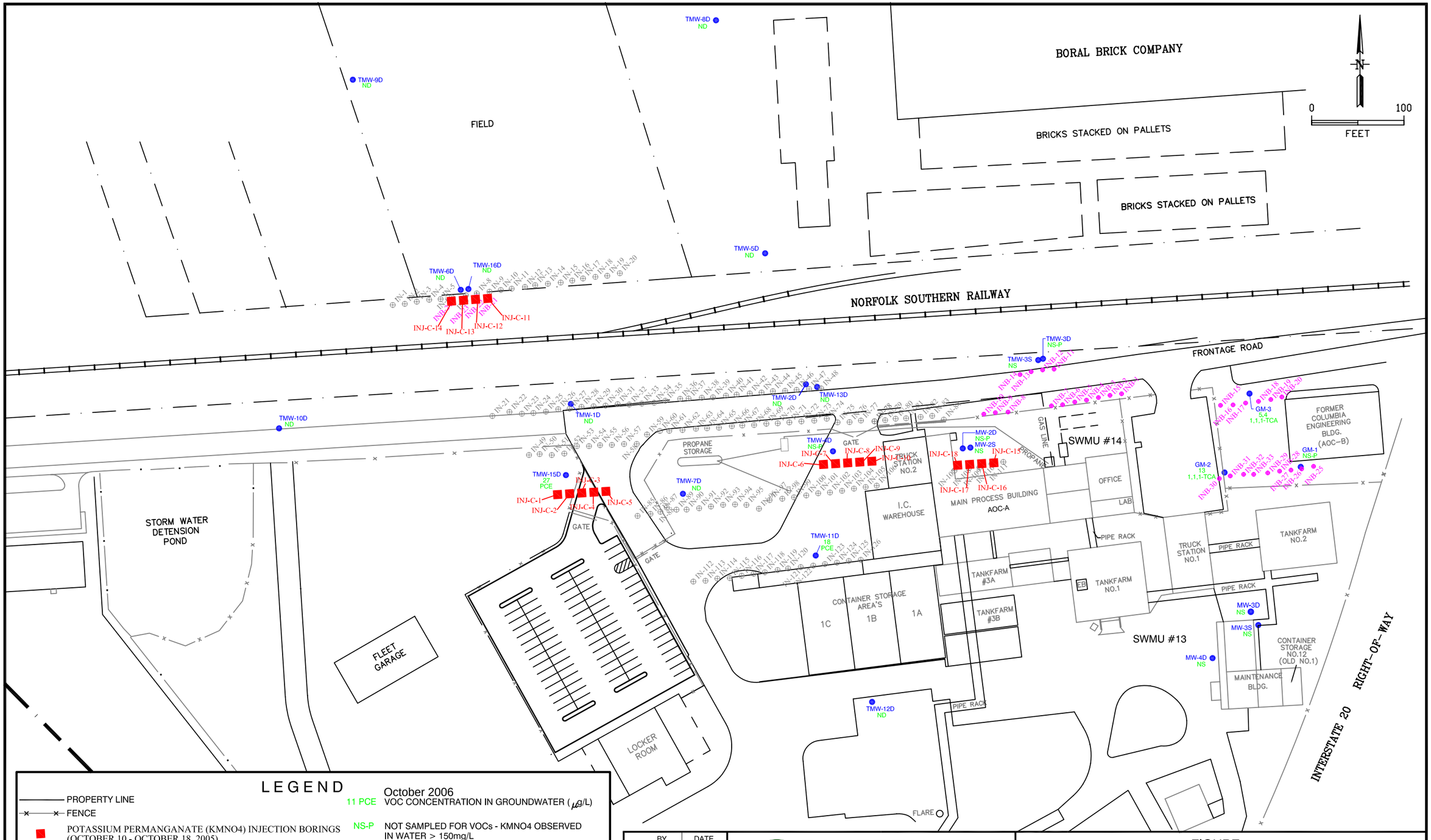


LEGEND

- PROPERTY LINE
- FENCE
- POTASSIUM PERMANGANATE (KMNO4) INJECTION BORINGS (OCTOBER 10 - OCTOBER 18, 2005)
- EXISTING MONITORING WELL
- INB-1 POTASSIUM PERMANGANATE (KMNO4) INJECTION BORINGS (JULY 15 - JULY 22, 2004)
- IN-51 POTASSIUM PERMANGANATE (KMNO4) INJECTION BORINGS (MARCH 11 - APRIL 25, 2003)

October 2006

- 11 PCE — VOC CONCENTRATION IN GROUNDWATER (µg/L)
- NS-P — NOT SAMPLED FOR VOCs - KMNO4 OBSERVED IN WATER > 150mg/L
- NS — NOT SAMPLED

NOTES

PCE = TETRACHLOROETHENE,
cis-1,2-DCE = cis-1,2-DICHLOROETHENE,
1,1,1-TCA = 1,1,1-TRICHLOROETHANE,
ND = NOT DETECT

	BY	DATE
DRAWN	WRB	12/20/06
CHECKED		
APPROVED		
APPROVED		
APPROVED		

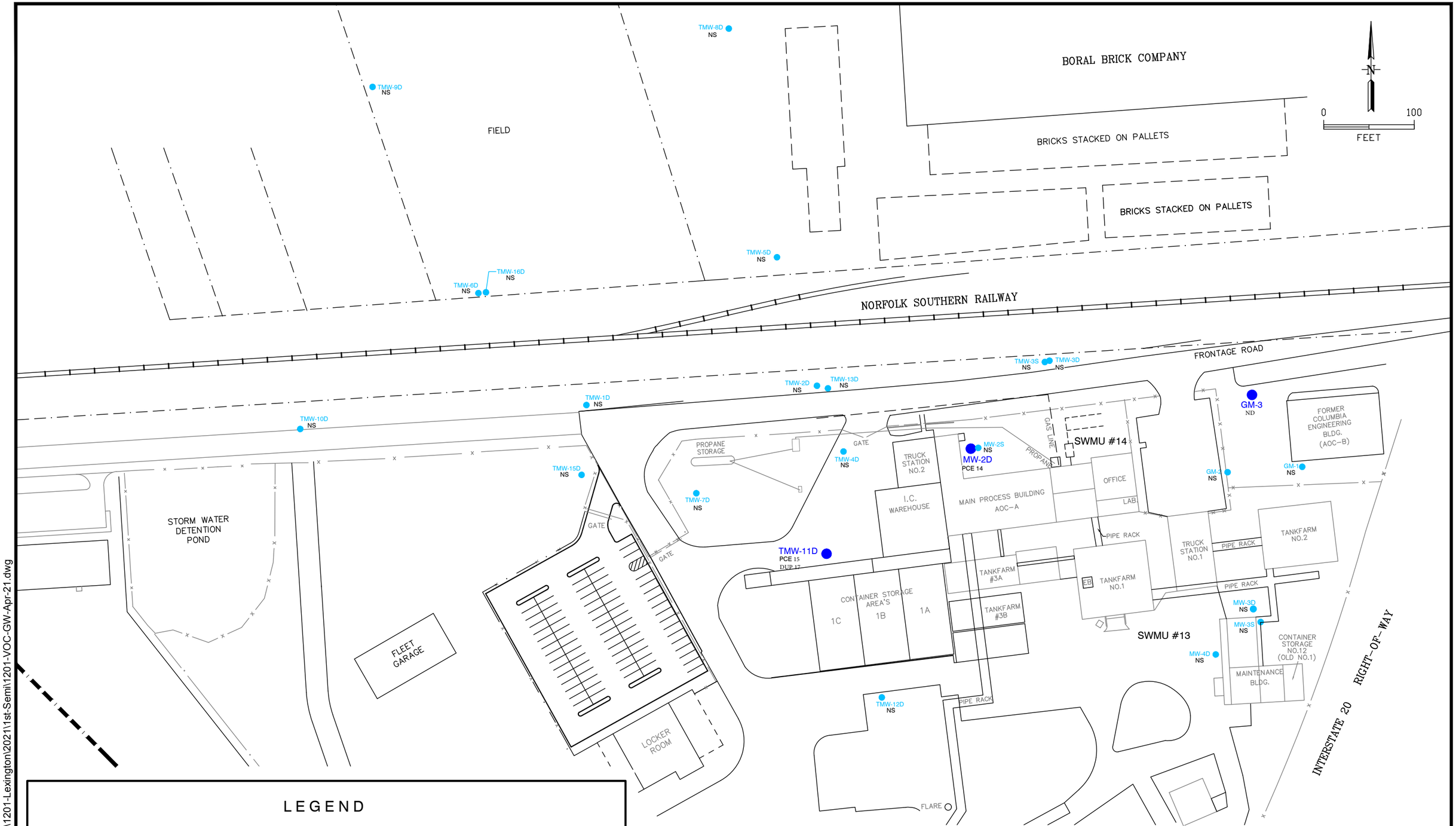
CAMERON-COLE

FIGURE 2

POST KMN04 INJECTION MONITORING
OCTOBER 2006
SAFETY-KLEEN RECYCLE CENTER - LEXINGTON, SC

SCALE: 1" = 100'

DWG. NO.: 1201-97



LEGEND

- PROPERTY LINE
- FENCE
- GROUNDWATER MONITORING WELL - SAMPLED
- GROUNDWATER MONITORING WELL - NOT SAMPLED

10	VOC CONCENTRATION IN GROUNDWATER (µg/L)
NS	NOT SAMPLED
ND	NO DETECTION ABOVE LABORATORY REPORTING LIMITS
PCE	TETRACHLOOETHENE
1,1-DCE	1,1-DICHLOROETHENE

	BY	DATE
DRAWN	JGM	06/15/21
CHECKED		
REVISED		
APPROVED		
APPROVED		
APPROVED		

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http://www.cameron-cole.com

FIGURE 3

VOC CONCENTRATIONS IN GROUNDWATER
APRIL 30, 2021
SAFETY-KLEEN RECYCLE CENTER - LEXINGTON, SC

SCALE: 1" = 100'

PROJECT: 1201

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Tables

Table 1
Monitoring Well Construction Summary
Safety-Kleen Recycle Center, Lexington, South Carolina

Monitoring Well Number	Aquifer	Top of Casing (ft,msl)	Surface Elevation (ft,msl)	Well Depth (ft,bgs)	Top of Screen (ft, bgs)	Screen Length	State Planar Coordinates		Date Installed
							Northing	Easting	
MW-1D	Water Table	407.55	404.54	62	52	10	777502.359	1939518.989	12/22/1993
MW-2S	Perched	379.89	380.19	10	5	5	778402.429	1939527.981	12/22/1993
MW-2D	Water Table	380.11	380.34	40	30	10	778401.981	1939525.05	12/22/1993
MW-3S	Perched	393.71	391.21	7	2	5	778210.102	1939843.889	12/22/1993
MW-3D	Water Table	392.98	390.29	47	35	10	778224.664	1939836.334	12/22/1993
MW-4D	Water Table	392.6	395.91	47	35	10	778174.92	1939794.478	12/22/1993
MW-5S	Perched	405.16	405.48	12	7	5	777698.851	1939636.792	12/22/1993
MW-5D	Water Table	404.32	404.94	60	50	10	777681.423	1939604.659	12/22/1993
GM-1	Water Table	385.39	NA	38.9	NA	NA	778382.018	1939889.147	NA
GM-2	Water Table	382.98	NA	34.1	NA	NA	778375.962	1939807.068	7/30/1992
GM-3	Water Table	381.05	NA	37.9	NA	NA	778461.691	1939834.003	7/30/1992
TMW-1D	Water Table	376.12	373.33	37.8	20	15	778450.744	1939099.179	1/11/1999
TMW-2D	Water Table	377.23	374.31	37.9	20	15	778471.655	1939354.502	1/7/1999
TMW-3D	Water Table	379.87	377.12	33.1	20	10	778498.524	1939608.842	1/11/1999
TMW-3S	Water Table	379.85	377.13	12.9	5	5	778497.973	1939605.699	1/11/1999
TMW-4D	Water Table	376.2	376.45	36	20	15	778399.104	1939382.762	2/24/1999
TMW-5D	Water Table	365.02	365.22	19.4	9	10	778613.595	1939309.303	2/25/1999
TMW-6D	Water Table	369.95	367.42	30.9	20	10	778575.986	1938981.639	2/24/1999
TMW-7D	Water Table	378.06	375.36	33.6	20	15	778353.069	1939220.189	2/24/1999
TMW-8D	Water Table	359.15	359.35	21	11	10	778868.016	1939258.172	3/31/1999
TMW-9D	Water Table	360.74	361.33	18.3	10	10	778803.645	1938864.758	3/30/1999
TMW-10D	Water Table	371.77	376.19	37.9	20	15	778450.714	1939099.043	3/31/1999
TMW-11D	Water Table	378.46	378.63	38	23	15	778288.195	1939366.176	3/30/1999
TMW-12D	Water Table	388.93	389.12	43.5	28	15	778129.608	1939427.248	3/30/1999
TMW-13D	Top of Clay	377.15	347.96	63.9	48	15	778470.848	1939367.614	10/25/2001
TMW-14D	Water Table	401.58	401.73	60.8	45.5	15	777728.444	1939505.888	12/12/2001
TMW-15D	Water Table	375.17	375.50	38	23	15	778375.300	1939095.510	12/18/2002
TMW-16D	Top of Clay	371.08	367.13	51	41	10	778576.856	1938989.954	12/19/2002

NOTES:

Highlighted wells are Corrective Action Monitoring Network wells

ft,bgs = feet, below ground surface

ft,msl = feet, mean sea level

NA = Not available

10/8/2009

Section M

SUBPART AA - ORGANIC AIR EMISSIONS FROM PROCESS VENTS

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SUBPART AA - ORGANIC AIR EMISSIONS FROM PROCESS VENTS

1. INTRODUCTION

Safety-Kleen Lexington Recycle Center is an organic chemicals and solvent recycling facility located at 130-A Frontage Road, in Lexington County, South Carolina. Details of the facility's operations are provided in Section 2 of the Part B Permit Application. The Lexington Recycle Center receives, stores and recycle/recovers a wide range of organic materials that are listed in the Part A form and in Section C of the Part B Permit Application.

The Lexington facility is operating as a RCRA TSDF under an operating permit issued by the South Carolina Department of Health and Environmental Control in 1991.

2. APPLICABILITY - PROCESS VENT REGULATIONS

The Lexington Recycle Center manages various organic chemicals and solvents ranging in concentration up to 100 Percent by weight in the following process units.

A Thin-Film Evaporator (LUWA #1)

B. Multi-stage Evaporator (Artisan)

C. Safety-Therm Evaporator #1

D. Safety-Therm Evaporator #3

These four (4) units are subject to the requirements of R.61-79. 264.1030 because these units are located at the Lexington facility which has a hazardous waste permit. These process units are used for the processing of hazardous wastes containing up to 100 percent organic chemicals, much greater than the 10 ppm specified in 264.1030(b).

3. STANDARDS FOR PROCESS VENTS

Presently, Safety-Kleen operates four (4) process units at the Lexington Recycle Center that are subject to R.61-79. 264.1032, Standards: Process Vents.

Safety-Kleen has calculated the organic air emissions from each of the four (4) existing process vents at the facility. The emission calculations are provided in Attachments 1 and 2 to this section. These calculations show that the total emissions from these four process vents are greater than 3.0 lbs/hour and 3.1 tons/year.

Therefore, pursuant to the requirements of R.61-79.9 264.1032, Safety-Kleen has installed an emission control device (flare unit) to reduce the total emissions from the process vents either by 95 percent overall control efficiency or reduce the total emissions to a level below 3.0 lbs/hr and 3.1 tons/year.

4. CONTROL MEASURES - PROCESS VENTS

Safety-Kleen implemented the above specified emissions control measure by November 3, 1992 in order to comply with the requirements of R.61-79. 264.1030 and the Consent Agreement between Safety-Kleen and U.S. EPA dated May 3, 1991. Safety-Kleen evaluated various control technologies to reduce the total organic emissions from the process units. Safety-Kleen determined that a gas-assisted flare system should be installed to reduce the emissions below the regulated levels, which was installed in the Fall of 1992.

5. CONTROL MEASURES COMPLIANCE

Safety-Kleen has used standard engineering calculations based on liquid-vapor equilibria, flow rates, types of organic chemical components present in the vapor phase and the temperatures of operation in evaluating the emissions and the design of the control device(s). These calculations are provided in Attachments 1 and 2 to this section. The calculations show that with the gas-assisted flare system, the total emissions from the four attached units are reduced to less than 3.0 lbs/hour and 3.1 tons/year. These calculations were based on worst case parameter values and loads. *(Note: Compliance with Subpart AA emissions control requirements are achieved through the use of a flare; as such we do not rely on certain constituents to help our control device achieve 95% VOC reduction.*

The emission control system (flare) was designed using best engineering practice and is operated pursuant to the requirements of R.61-79. 264.1033(F)(2). which specifies operating parameters and monitoring devices necessary for flare operation.

6. IMPLEMENTATION SCHEDULE

Safety-Kleen followed the schedule shown below in complying with the organic air emission standards for process vents.

Preliminary engineering complete	February 10, 1992
Detailed engineering complete	April 3, 1992
Bid package preparation and procurement	July 3, 1992
Installation/Construction Complete	October 2, 1992
Debugging complete/System operational	November 3, 1992

7. METHODS OF COMPLIANCE

Safety-Kleen uses engineering calculations, engineering design and monitoring of control system operating parameters, such as flow rates and temperatures to show compliance with the process vent control device(s) performance standards. The emissions calculations provided in Attachments 1 and 2 show the control efficiencies and the total emissions from the existing process units at the Lexington facility.

8. RECORD KEEPING REQUIREMENTS

The Lexington Recycle Center has process units that are subject to the requirements of R.61-79.264.1032. The facility does comply with the record keeping requirements specified under R.61-79.264.1035.

9. REPORTING REQUIREMENTS

Safety-Kleen has complied with the reporting requirements of R.61-79.264.1036 as follows:

A Semi - annual report outlining each month, dates when the control device(s) exceeded or operated outside of the design specifications as outlined in 40 CFR and R. 661-79.2b64.1035 (c) (4) and as indicated by the control device(s) monitoring required under 40 CFR and R.61-79 264.1033(f).

The deviation and the cause of each malfunction or exceedance and any corrective measures implemented.

B. If no malfunction occurred during the semi-annual reporting period, or if the malfunction or exceedance occurred for less than 24 hours duration, then reporting to the department is not required.

If during the semi-annual reporting period, the control device does not exceed or operate outside of the design specifications as defined in R.61-79 264.1035(c)(4) for more than 24 hours or the flare does not operate with visible emissions as defined in R.61-79 264.1033(d), a report to the Department is not required

Section N
SUBPART BB - EQUIPMENT LEAKS

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SUBPART BB - EQUIPMENT LEAKS

1. APPLICABILITY

Safety-Kleen Lexington Recycle Center is a hazardous waste recycling facility where various organic chemicals and solvents are processed for recycling/recovery. Therefore, pursuant to the requirements of R.61-79 264.1050 the air emissions standards for equipment leaks apply to the equipment at the Lexington Recycle Center that come in contact with organic chemicals in areas identified on Table N-1.

The facility manages organic chemicals that range in concentration from 0 to 100 percent. Therefore, equipment regulated under 264 Subpart BB at the facility in the waste management activity are subject to the equipment leak standards.

The Lexington Recycle Center is operating under a RCRA Operating Permit issued by the South Carolina Department of Health and Environmental Control. Therefore, the 264, Subpart BB standards apply.

As per the requirements of R.61-79 264.1050, Safety-Kleen has identified and marked each piece of equipment to which the equipment leak standards apply. An example list of such equipment is provided herein as Attachment N-1. Safety-Kleen developed drawings to identify the location of each equipment and the associated hazardous waste management units – see Attachment N-2.

The purpose of the drawings is for equipment identification purposes, and a copy of the example listing of all equipment, associated lines and example inspection records are for informational purposes and subject to change when necessary.

2 . PUMPS IN LIGHT LIQUID SERVICE

The existing pumps that manage hazardous wastes at the Lexington Recycle Center are identified and listed in the attached example inspection report. Some of these pumps are designated for light liquid service at this time and are subject to the requirements of R.61-79 264.1052.

Each pump identified in the attached list is visually inspected for leaks each calendar week and the pump is measured monitored monthly for organic vapor leaks using a portable organic vapor analyzer. If the reading shows 10,000 ppm or greater, then it is considered to be a leaking pump and requires repair as follows:

> The leaking pump (seal) will be repaired as soon as practical, but not later than 15 calendar days after it is detected. In addition, the first attempt at repair will be made within 5 calendar days of detection.

The leak detection and repair described above is conducted for all pumps identified in the attached inspection forms, that includes pumps equipped with dual mechanical seals. There are no pumps at the facility that are equipped with closed-vent system.

3. COMPRESSORS

Safety-Kleen Lexington Recycle Center does not have any compressors that are in

contact with organic chemicals. Therefore, R.61-79 264.1053 is not applicable.

4. PRESSURE RELIEF DEVICES IN GAS VAPOR SERVICE

The Lexington Recycle Center does not have any pressure relief devices subject to the requirements of R.61-79.264.1054.

5. SAMPLING CONNECTING SYSTEMS R.61-79 .264.1055

The Lexington Recycle Center does not have any sampling connecting systems or in-situ sampling systems. The samples for analysis are collected through open ended valves or lines.

6. OPEN-ENDED VALVES OR *LINES*

The open-ended valves and lines that are subject to the requirements of R.61- 79.264.1056 are identified in the attached inspection list. These pieces of equipment are either equipped with caps, second valves or a double block and bleed system.

7. VALVES IN GAS VAPOR SERVICE OR *IN LIGHT LIQUID SERVICE*

Those existing valves which come in contact with hazardous wastes and are designated for light liquid service at this time and are subject to the requirements of R.61-79 264.1057. Therefore, the valves are monitored for leaks using a portable organic vapor analyzer in accordance with method 21.

If a leak of 10,000 ppm or greater is measured, the valve will be repaired as soon as it is detected but no later than 15 days after detection. First attempt at repair including tightening, replacement of bolts, and other means will be conducted no later than five calendar days after leak detection.

Valves that are designated as difficult to monitor meet the following criteria:

A) The valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface;

B) The hazardous waste management unit within which the valve is located was in operation before June 21, 1990.

C) The valve is monitored at least once per calendar year. If additional valves are designated as difficult to monitor, they will meet these criteria, and will be documented in the facility records.

8. *PUMPS AND VALVES IN HEAVY LIQUID SERVICE, PRESSURE RELIEF DEVICES IN LIGHT LIQUID OR HEAW LIQUID SERVICE, AND FLANGES AND OTHER CONNECTORS.*

At the present time some pumps, valves, flanges and other connectors are designated for light liquid service, while others are designated for heavy liquid service. Pumps, valves, flanges and other connectors are subject to the requirements of R.61-79.264.1058 and will be monitored within 5 days if evidence of a potential leak is found.

If evidence (e.g., visual, audible, olfactory) of a leak is identified then an instrument reading shows showing greater 10,000 ppm or greater will confirm the leak. Regardless of whether a leak, over the leak definition of 10,000 ppm has occurred, the pump, valve, flange or connector will be repaired as soon as practicable, but not later than 15 days after it is detected The first attempt at repair will be made within 5 days of detection.

9. RECORDKEEPING REQUIREMENTS

Pursuant to the requirements of R.61-79.264.1064, Safety-Kleen has identified each affected equipment by number and location (line name).

As shown in the attached equipment list the following records are maintained at the Lexington Recycle Center.

A Type of equipment - valve, pump, flange, etc.;

B. Service - designated as either light liquid or heavy liquid at this time;

C. Percent-by-weight is not necessary for the equipment because the facility manages wastes up to 100% percent organics by weight

D. Method of compliance - monthly leak monitoring;

E Identification on the equipment if they are found leaking will be implemented;

F. Leak monitoring results and any repair conducted at the facility;

10. REPORTING REQUIREMENTS

The Lexington Recycle Center is operating under a RCRA operating permit. Therefore, the facility is subject to the R.61-79.264.1065, reporting requirements. After November 3, 1992 the facility will submit semi-annual reports to the agency by the dates specified by the Department if necessary. The report will include:

A The facility name, ID number;

B. The equipment identification number for which a leak was not repaired as per the regulatory requirements;

C. Any hazardous waste management unit shutdowns; and,

D. Any other malfunction.

If the repairs are completed within the required time schedules, then no reports are required to be submitted to the Department. Such records will be maintained at the facility and available for inspection for a minimum of three years.

11. DELAY OF REPAIR

If a delay to repair a piece of affected equipment is necessary, that delay will be in accordance with the requirements of R.61-79.264.1059.

Table N-1
Subpart BB Equipment Areas

Area #	Area Name
1600	ARTISAN
2100	LUWA
3100	WEST COOKER
3200	CENTER COOKER
3300	EAST COOKER
3600	STILL ROOM AND SUPPORT AREAS
3700	COOKER ROOM AND SUPPORT AREAS
4000	FLARE
4100	TANK FARM #1
4200	TANK FARM #2
4300	TANK FARM #3A
4400	TANK FARM #3B
4500	TANK FARM #3C
6100	TANKER TUNNEL
7100	DRUM SHED

Attachment N-1

Safety-Kleen Corp.
RECYCLE CENTER
Lexington, South Carolina RC #630
SCD 077995488
MONTHLY REPORT - EMISSION DETECTION MONITORING
Method of Compliance - Emission Detection and Repair

Date:
Area Number 1600
Area Name ARTISAN

Aim Gas
Detector Serial #

Pump Serial #

Pre-test Cal By:
Inspected By:
Review By:

Total Organics Typically 60 - 100 % by Weight
Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
1600	ARTISAN	CV16001	VALVE	REGULATOR, THREAD	1.5		
1600	ARTISAN	CV16002	VALVE	REGULATOR, THREAD	1.5		
1600	ARTISAN	CV16003	VALVE	REGULATOR, THREAD	1.5		
1600	ARTISAN	CV16004	VALVE	REGULATOR, THREAD	1.5		
1600	ARTISAN	CV21007	VALVE	CONTROL, THREAD	0.75		
1600	ARTISAN	OE-41200	OPEN END		OPEN END		
1600	ARTISAN	P16000	PUMP		0		Dirty
1600	ARTISAN	P16001	PUMP		0		Clean Electric
1600	ARTISAN	P16002	PUMP		0		Clean Diaphragm Back-up
1600	ARTISAN	P16003	PUMP		0		Bottoms Oil Diaphragm 1
1600	ARTISAN	P16004	PUMP		0		Bottoms Oil Diaphragm 2
	ARTISAN	P16005	PUMP		0		Electric Bottoms Oil
1600	ARTISAN	V00000	VALVE		0		
1600	ARTISAN	V16001	VALVE	PLUG, THREAD	1.5		
1600	ARTISAN	V16002	VALVE	BALL, THREAD	1.5		
1600	ARTISAN	V16003	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16004	VALVE	BALL, THREAD	1.5		
1600	ARTISAN	V16005	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16006	VALVE	BALL, THREAD	0.375		
1600	ARTISAN	V16007	VALVE	GATE, THREAD	1.5		
1600	ARTISAN	V16008	VALVE	GATE, THREAD	1.5		
1600	ARTISAN	V16009	VALVE	GATE, THREAD	1		
1600	ARTISAN	V16010	VALVE	GATE, THREAD	1.5		
1600	ARTISAN	V16011	VALVE	PET COCK	0.375		
1600	ARTISAN	V16012	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16013	VALVE	CHECK, THREAD	2		
1600	ARTISAN	V16014	VALVE	BALL, THREAD	2		
1600	ARTISAN	V16015	VALVE	NEEDLE, THREAD	0.375		
1600	ARTISAN	V16016	VALVE	BALL, THREAD	2		
1600	ARTISAN	V16017	VALVE	GLOBE, THREAD	1.5		
1600	ARTISAN	V16018	VALVE	GLOBE, THREAD	1.5		
1600	ARTISAN	V16019	VALVE	GLOBE, THREAD	1.5		
1600	ARTISAN	V16020	VALVE	GLOBE, THREAD	1.5		
1600	ARTISAN	V16021	VALVE	BALL, THREAD	0.375		
1600	ARTISAN	V16022	VALVE	GLOBE, THREAD	1.5		
1600	ARTISAN	V16023	VALVE	GLOBE, THREAD	1.5		
1600	ARTISAN	V16024	VALVE	GLOBE, THREAD	1.5		
1600	ARTISAN	V16025	VALVE	BALL, THREAD	0.375		
1600	ARTISAN	V16026	VALVE	GLOBE, THREAD	1.5		
1600	ARTISAN	V16027	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16028	VALVE	BALL, THREAD	0.5		
1600	ARTISAN	V16029	VALVE	CHECK, THREAD	2		
1600	ARTISAN	V16030	VALVE	BALL, THREAD	0.5		
1600	ARTISAN	V16031	VALVE	BALL, THREAD	0.5		
1600	ARTISAN	V16032	VALVE	BALL, THREAD	0.5		
1600	ARTISAN	V16033	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16034	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16035	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16036	VALVE	BALL, THREAD	0.5		
1600	ARTISAN	V16037	VALVE	BALL, THREAD	0.5		
1600	ARTISAN	V16038	VALVE	BALL, THREAD	0.5		
1600	ARTISAN	V16039	VALVE	BALL, THREAD	0.5		
1600	ARTISAN	V16040	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16041	VALVE	BALL, THREAD	0.5		
1600	ARTISAN	V16042	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16043	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16044	VALVE	BALL, THREAD	1		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
1600	ARTISAN	V16045	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16046	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16047	VALVE	BALL, THREAD	0.5		
1600	ARTISAN	V16048	VALVE	BALL, THREAD	2		
1600	ARTISAN	V16049	VALVE	BALL, THREAD	0.75		
1600	ARTISAN	V16050	VALVE	BALL, THREAD	0.5		
1600	ARTISAN	V16051	VALVE	BALL, THREAD	0.5		
1600	ARTISAN	V16052	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16053	VALVE	BALL, THREAD	0.5		
1600	ARTISAN	V16054	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16055	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16056	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16057	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16058	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16059	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16060	VALVE	BALL, THREAD	2		
1600	ARTISAN	V16061	VALVE	BALL, THREAD	2		
1600	ARTISAN	V16062	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16063	VALVE	BALL, THREAD	0.5		
1600	ARTISAN	V16064	VALVE	BALL, THREAD	0.5		
1600	ARTISAN	V16065	VALVE	BALL, THREAD	1		
1600	ARTISAN	V16066	VALVE	BALL, THREAD	2		
1600	ARTISAN	V16067	VALVE	BALL, THREAD	2		
1600	ARTISAN	V16068	VALVE	BALL, THREAD	2		
1600	ARTISAN	V16069	VALVE	GATE, THREAD	1.5		
1600	ARTISAN	V16070	VALVE	BALL, THREAD	1.5		
1600	ARTISAN	V16071	VALVE	BALL, THREAD	2		
1600	ARTISAN	V16072	VALVE	NEEDLE, THREAD.	0.375		
1600	ARTISAN	V16073	VALVE	GATE VALVE	2		
1600	ARTISAN	V16074	VALVE		1		
1600	ARTISAN	V16080	VALVE	BALL	2		
1600	ARTISAN	V16081	VALVE	BALL	2		
1600	ARTISAN	V16082	VALVE	BALL	2		
1600	ARTISAN	V16083	VALVE	BALL	2		
1600	ARTISAN	V16084	VALVE	BALL	2		
1600	ARTISAN	TF16001	90 ELBOW	0	0		
1600	ARTISAN	TF16002	90 ELBOW	0	0		
1600	ARTISAN	TF16003	90 ELBOW	0	0		
1600	ARTISAN	TF16004	COUPLING	0	0		
1600	ARTISAN	TF16005	90 ELBOW	0	0		
1600	ARTISAN	TF16006	T CONNECTOR	0	0		
1600	ARTISAN	TF16007	90 ELBOW	0	0		
1600	ARTISAN	TF16008	90 ELBOW	0	0		
1600	ARTISAN	TF16009	90 ELBOW	0	0		
1600	ARTISAN	TF16010	90 ELBOW	0	0		
1600	ARTISAN	TF16011	COUPLING	0	0		
1600	ARTISAN	TF16012	90 ELBOW	0	0		
1600	ARTISAN	TF16013	COUPLING	0	0		
1600	ARTISAN	TF16014	T CONNECTOR	0	0		
1600	ARTISAN	TF16015	90 ELBOW	0	0		
1600	ARTISAN	TF16016	COUPLING	0	0		
1600	ARTISAN	TF16017	90 ELBOW	0	0		
1600	ARTISAN	TF16018	T CONNECTOR	0	0		
1600	ARTISAN	TF16019	COUPLING	0	0		
1600	ARTISAN	TF16020	T CONNECTOR	0	0		
1600	ARTISAN	TF16021	REDUCER	0	0		
1600	ARTISAN	TF16022	90 ELBOW	0	0		
1600	ARTISAN	TF16023	COUPLING	0	0		
1600	ARTISAN	TF16024	90 ELBOW	0	0		
1600	ARTISAN	TF16025	ENLARGER COUPLING	0	0		
1600	ARTISAN	TF16026	90 ELBOW	0	0		
1600	ARTISAN	TF16027	WELDED COUPLING	0	0		
1600	ARTISAN	TF16028	END CAP ON HE	0	0		
1600	ARTISAN	TF16029	WELDED CAP	0	0		
1600	ARTISAN	TF16030	TEMP GAUGE ON OIL COND	0	0		
1600	ARTISAN	TF16031	T CONNECTOR	0	0		
1600	ARTISAN	TF16032	T CONNECTOR	0	0		
1600	ARTISAN	TF16033	T CONNECTOR	0	0		
1600	ARTISAN	TF16034	END CAP	0	0		
1600	ARTISAN	TF16035	90 ELBOW	0	0		
1600	ARTISAN	TF16036	COUPLING	0	0		
1600	ARTISAN	TF16037	90 ELBOW	0	0		
1600	ARTISAN	TF16038	90 ELBOW	0	0		
1600	ARTISAN	TF16039	FITTING INTO PUMP	0	0		
1600	ARTISAN	TF16040	REDUCER	0	0		
1600	ARTISAN	TF16041	COUPLING	0	0		
1600	ARTISAN	TF16042	90 ELBOW	0	0		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
1600	ARTISAN	TF16043	COUPLING	0	0		
1600	ARTISAN	TF16044	COUPLING	0	0		
1600	ARTISAN	TF16045	90 ELBOW	0	0		
1600	ARTISAN	TF16046	90 ELBOW	0	0		
1600	ARTISAN	TF16047	T CONNECTOR	0	0		
1600	ARTISAN	TF16048	T CONNECTOR	0	0		
1600	ARTISAN	TF16049	90 ELBOW	0	0		
1600	ARTISAN	TF16050	90 ELBOW	0	0		
1600	ARTISAN	TF16051	COUPLING	0	0		
1600	ARTISAN	TF16052	90 ELBOW	0	0		
1600	ARTISAN	TF16053	FITTING INTO PUMP	0	0		
1600	ARTISAN	TF16054	FITTING OUT OF PUMP	0	0		
1600	ARTISAN	TF16055	UNION	0	0		
1600	ARTISAN	TF16056	CAP	0	0		
1600	ARTISAN	TF16057	T CONNECTOR	0	0		
1600	ARTISAN	TF16058	COUPLING	0	0		
1600	ARTISAN	TF16059	REDUCER	0	0		
1600	ARTISAN	TF16060	REDUCER	0	0		
1600	ARTISAN	TF16061	90 ELBOW	0	0		
1600	ARTISAN	TF16062	45 ELBOW	0	0		
1600	ARTISAN	TF16063	REDUCER	0	0		
1600	ARTISAN	TF16064	90 ELBOW	0	0		
1600	ARTISAN	TF16065	90 ELBOW	0	0		
1600	ARTISAN	TF16066	COUPLING	0	0		
1600	ARTISAN	TF16067	COUPLING	0	0		
1600	ARTISAN	TF16068	WELDED COUPLING	0	0		
1600	ARTISAN	TF16069	THREADED PIPE INTO PUMP	0	0		
1600	ARTISAN	TF16070	REDUCER	0	0		
1600	ARTISAN	TF16071	REDUCER	0	0		
1600	ARTISAN	TF16072	REDUCER	0	0		
1600	ARTISAN	TF16073	COUPLING	0	0		
1600	ARTISAN	TF16074	T CONNECTOR	0	0		
1600	ARTISAN	TF16075	REDUCER	0	0		
1600	ARTISAN	TF16076	T CONNECTOR	0	0		
1600	ARTISAN	TF16077	90 ELBOW	0	0		
1600	ARTISAN	TF16078	CAP	0	0		
1600	ARTISAN	TF16079	FOXBORO UNIT	0	0		
1600	ARTISAN	TF16080	FOXBORO UNIT	0	0		
1600	ARTISAN	TF16081	FOXBORO UNIT	0	0		
1600	ARTISAN	TF16082	FOXBORO UNIT	0	0		
1600	ARTISAN	TF16083	FOXBORO UNIT	0	0		
1600	ARTISAN	TF16084	FOXBORO UNIT	0	0		
1600	ARTISAN	TF16085	90 ELBOW	0	0		
1600	ARTISAN	TF16086	COUPLING	0	0		
1600	ARTISAN	TF16087	T CONNECTOR	0	0		
1600	ARTISAN	TF16088	CAP	0	0		
1600	ARTISAN	TF16089	THREADED COUPLING	0	0		
1600	ARTISAN	TF16090	T CONNECTOR	0	0		
1600	ARTISAN	TF16091	CAP	0	0		
1600	ARTISAN	TF16092	COUPLING	0	0		
1600	ARTISAN	TF16093	T CONNECTOR	0	0		
1600	ARTISAN	TF16094	TEMP GAUGE	0	0		
1600	ARTISAN	TF16095	SITE GLASS	0	0		
1600	ARTISAN	TF16096	REDUCER	0	0		
1600	ARTISAN	TF16097	90 ELBOW	0	0		
1600	ARTISAN	TF16098	COUPLING	0	0		
1600	ARTISAN	TF16099	UNION	0	0		
1600	ARTISAN	TF16100	T CONNECTOR	0	0		
1600	ARTISAN	TF16101	REDUCER	0	0		
1600	ARTISAN	TF16102	T CONNECTOR	0	0		
1600	ARTISAN	TF16103	90 ELBOW	0	0		
1600	ARTISAN	TF16104	END CAP	0	0		
1600	ARTISAN	TF16105	UNION	0	0		
1600	ARTISAN	TF16106	COUPLING	0	0		
1600	ARTISAN	TF16107	UNION	0	0		
1600	ARTISAN	TF16108	90 ELBOW	0	0		
1600	ARTISAN	TF16109	T CONNECTOR	0	0		
1600	ARTISAN	TF16110	90 ELBOW	0	0		
1600	ARTISAN	TF16111	T CONNECTOR	0	0		
1600	ARTISAN	TF16112	THREADED COUPLING	0	0		
1600	ARTISAN	TF16113	T CONNECTOR	0	0		
1600	ARTISAN	TF16114	END CAP	0	0		
1600	ARTISAN	TF16115	90 ELBOW	0	0		
1600	ARTISAN	TF16116	COUPLING	0	0		
1600	ARTISAN	TF16117	T CONNECTOR	0	0		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
1600	ARTISAN	TF16118	VALVE (NO HANDLE)	0	0		
1600	ARTISAN	TF16119	END CAP	0	0		
1600	ARTISAN	TF16120	FLANGER FITTING	0	0		
1600	ARTISAN	TF16121	THREADED COUPLING	0	0		
1600	ARTISAN	TF16122	4-WAY ONSITE GLASS	0	0		
1600	ARTISAN	TF16123	VALVE LI 16001	0	0		
1600	ARTISAN	TF16124	4-WAY ONSITE GLASS	0	0		
1600	ARTISAN	TF16125	COUPLING	0	0		
1600	ARTISAN	TF16126	TOP OF LJ16001	0	0		
1600	ARTISAN	TF16127	COUPLING	0	0		
1600	ARTISAN	TF16128	3-WAY	0	0		
1600	ARTISAN	TF16129	END CAP	0	0		
1600	ARTISAN	TF16130	INTO VAPOR BODY	0	0		
1600	ARTISAN	TF16131	FITTING TO VACUUM GAUGE	0	0		
1600	ARTISAN	TF16132	90 ELBOW	0	0		
1600	ARTISAN	TF16133	VALVE ON VAC SYSTEM	0	0		
1600	ARTISAN	TF16134	REDUCER	0	0		
1600	ARTISAN	TF16135	END CAP	0	0		
1600	ARTISAN	TF16136	TEMP GAUGE	0	0		
1600	ARTISAN	TF16137	TEMP GAUGE STAGE 1	0	0		
1600	ARTISAN	TF16138	90 ELBOW	0	0		
1600	ARTISAN	TF16139	COUPLING	0	0		
1600	ARTISAN	TF16140	90 ELBOW	0	0		
1600	ARTISAN	TF16141	90 ELBOW	0	0		
1600	ARTISAN	TF16142	90 ELBOW	0	0		
1600	ARTISAN	TF16143	COUPLING	0	0		
1600	ARTISAN	TF16144	INTO DIRTY PRODUCT PREHEATER	0	0		
1600	ARTISAN	TF16145	BUNG INTO PREHEATER	0	0		
1600	ARTISAN	TF16146	90 ELBOW	0	0		
1600	ARTISAN	TF16147	90 ELBOW	0	0		
1600	ARTISAN	TF16148	COUPLING	0	0		
1600	ARTISAN	TF16149	90 ELBOW	0	0		
1600	ARTISAN	TF16150	FITTING INTO DP PREHEATER	0	0		

Safety-Kleen Corp.
RECYCLE CENTER
Lexington, South Carolina RC #630
SCD 077995488
MONTHLY REPORT - EMISSION DETECTION MONITORING
Method of Compliance - Emission Detection and Repair

Date:
Area Number 2100
Area Name LUWA

Aim Gas
Detector Serial #

Pump Serial #

Pre-test Cal By:
Inspected By:
Review By:

Total Organics Typically 60 - 100 % by Weight
Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
2100	LUWA	CV21001	VALVE	CONTROL, THREAD	1		
2100	LUWA	CV21002	VALVE	CONTROL, THREAD	1		
2100	LUWA	CV21003	VALVE	CONTROL, FLANGED	1		
2100	LUWA	CV21004	VALVE	CONTROL, FLANGED	1		
2100	LUWA	CV21005	VALVE	CONTROL, THREAD	0.75		
2100	LUWA	CV21006	VALVE	CONTROL, THREAD	0.5		
2100	LUWA	CV21008	VALVE	CONTROL, THREAD	1		
2100	LUWA	P2101	PUMP		0		
2100	LUWA	P2102	PUMP		0		
2100	LUWA	P2103	PUMP		0		
2100	LUWA	P2104	PUMP		0		
2100	LUWA	P2105	PUMP		0		
2100	LUWA	P2106	PUMP		0		
2100	LUWA	P2107	PUMP		0		
2100	LUWA	P2108	PUMP		0		
2100	LUWA	PSV21001	PRESSURE SAFETY VALVE	SAFETY, THREAD			
2100	LUWA	V21001	VALVE	GATE, THREAD	1		
2100	LUWA	V21002	VALVE	GATE, THREAD	1		
2100	LUWA	V21003	VALVE	GATE, THREAD	1		
2100	LUWA	V21004	VALVE	GATE, THREAD	0.75		
2100	LUWA	V21005	VALVE	BALL, THREAD	0.75		
2100	LUWA	V21006	VALVE	BALL, THREAD	0.75		
2100	LUWA	V21007	VALVE	GATE, THREAD	0.75		
2100	LUWA	V21008	VALVE	BALL, THREAD	0.75		
2100	LUWA	V21009	VALVE	BALL, THREAD	0.25		
2100	LUWA	V21010	VALVE	PET COCK	0.375		
2100	LUWA	V21011	VALVE	BALL, THREAD	0.5		
2100	LUWA	V21012	VALVE	BALL, THREAD	0.5		
2100	LUWA	V21013	VALVE	BALL, THREAD	1		
2100	LUWA	V21014	VALVE	BALL, THREAD	0.5		
2100	LUWA	V21015	VALVE	BALL, THREAD	1		
2100	LUWA	V21016	VALVE	CHECK, THREAD	1		
2100	LUWA	V21017	VALVE	BALL, THREAD	2		
2100	LUWA	V21018	VALVE	BALL, THREAD	0.75		
2100	LUWA	V21019	VALVE	BALL, THREAD	1		
2100	LUWA	V21020	VALVE	CHECK, THREAD	1		
2100	LUWA	V21021	VALVE	BALL, S.W.	0.75		
2100	LUWA	V21022	VALVE	BALL, S.W.	0.75		
2100	LUWA	V21023	VALVE	BALL, S.W.	0.75		
2100	LUWA	V21024	VALVE	PET COCK	0.25		
2100	LUWA	V21025	VALVE	PET COCK	0.25		
2100	LUWA	V21026	VALVE	PET COCK	0.25		
2100	LUWA	V21027	VALVE	PET COCK	0.25		
2100	LUWA	V21028	VALVE	PET COCK	0.25		
2100	LUWA	V21029	VALVE	PET COCK	0.25		
2100	LUWA	V21031	VALVE	PET COCK	0.25		
2100	LUWA	V21033	VALVE	BALL, THREAD	0.5		
2100	LUWA	V21034	VALVE	BALL, S.W.	2		
2100	LUWA	V21035	VALVE	BALL, THREAD	2		
2100	LUWA	V21036	VALVE	BALL, THREAD	0.5		
2100	LUWA	V21037	VALVE	BALL, THREAD	0.375		
2100	LUWA	V21038	VALVE	BALL, THREAD	0.5		
2100	LUWA	V21039	VALVE	BALL, THREAD	0.5		
2100	LUWA	V21040	VALVE	BALL, S.W.	2		
2100	LUWA	V21041	VALVE	BALL, S.W.	0.5		
2100	LUWA	V21042	VALVE	BALL, S.W.	2		
2100	LUWA	V21043	VALVE	BALL, S.W.	0.5		
2100	LUWA	V21044	VALVE	BALL, THREAD	0.5		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
2100	LUWA	V21045	VALVE	B/F, FLANGED	6		
2100	LUWA	V21046	VALVE	BALL, THREAD	0.75		
2100	LUWA	V21047	VALVE	BALL, S.W.	1.5		
2100	LUWA	V21048	VALVE	BALL, S.W.	1		
2100	LUWA	V21049	VALVE	BALL, THREAD	0.5		
2100	LUWA	V21050	VALVE	BALL, THREAD	0.5		
2100	LUWA	V21051	VALVE	BALL, S.W.	0.75		
2100	LUWA	V21052	VALVE	NEEDLE, THREAD	0.5		
2100	LUWA	V21053	VALVE	B/F, FLANGED	3		
2100	LUWA	V21054	VALVE	BALL, S.W.	3		
2100	LUWA	V21055	VALVE	GATE, THREAD	1		
2100	LUWA	V21056	VALVE	BALL, THREAD	0.75		
2100	LUWA	V21057	VALVE	GATE, THREAD	1		
2100	LUWA	V21058	VALVE	BALL, S.W.	1		
2100	LUWA	V21059	VALVE	BALL, THREAD	0.75		
2100	LUWA	V21060	VALVE	BALL, THREAD	0.5		
2100	LUWA	V21061	VALVE	BALL, THREAD	2		
2100	LUWA	V21062	VALVE	BALL, THREAD	0.75		
2100	LUWA	V21063	VALVE	BALL, THREAD	0.375		
2100	LUWA	V21064	VALVE	BALL, THREAD	0.375		
2100	LUWA	V21065	VALVE	CHECK, THREAD	1.5		
2100	LUWA	V21066	VALVE	GLOBE, THREAD	0.5		
2100	LUWA	V21067	VALVE	CHECK, THREAD	0.75		
2100	LUWA	V21068	VALVE	BALL, THREAD	0.75		
2100	LUWA	V21069	VALVE	BALL, THREAD	0.75		
2100	LUWA	V21070	VALVE	BALL, THREAD	0.75		
2100	LUWA	V21071	VALVE	BALL, THREAD	0.75		
2100	LUWA	V21072	VALVE	BALL, THREAD	0.75		
2100	LUWA	V21073	VALVE	CHECK, THREAD	1.5		
2100	LUWA	V21074	VALVE	BALL, THREAD	0.5		
2100	LUWA	V21075	VALVE	BALL, THREAD	0.5		
2100	LUWA	V21076	VALVE	BALL, THREAD	0.5		
2100	LUWA	V21077	VALVE	BALL, THREAD	0.5		
2100	LUWA	V21078	VALVE	BALL, THREAD	0.5		
2100	LUWA	V21079	VALVE	CHECK, THREAD	1.5		
2100	LUWA	V21080	VALVE	BALL, THREAD	0.5		
2100	LUWA	V21081	VALVE	CHECK, THREAD	1		
2100	LUWA	V21082	VALVE	BALL, THREAD	1		
2100	LUWA	V21083	VALVE	BALL, THREAD	0.5		
2100	LUWA	V21084	VALVE	BALL, THREAD	1		
2100	LUWA	V21085	VALVE	BALL, THREAD	0.75		
2100	LUWA	V21086	VALVE	BALL, THREAD	1		
2100	LUWA	V21087	VALVE	BALL	0.5		
2100	LUWA	V21088	VALVE	BALL	0.5		
2100	LUWA	V21089	VALVE	BALL	0.75		
2100	LUWA	V21090	VALVE	BALL	0.5		
2100	LUWA	V21091	VALVE	BALL	0.5		
2100	LUWA	V21092	VALVE	BALL	3.0"		Installed 9/27/05
2100	LUWA	TF21001	45 ELBOW	0	0		0
2100	LUWA	TF21002	45 ELBOW	0	0		0
2100	LUWA	TF21003	WELDED COUPLING	0	0		0
2100	LUWA	TF21004	WELDED COUPLING	0	0		0
2100	LUWA	TF21005	T INTO TEMP GAUGE	0	0		0
2100	LUWA	TF21006	TEMP GAUGE	0	0		0
2100	LUWA	TF21007	WELDED COUPLING INTO TEMP GAUGE	0	0		0
2100	LUWA	TF21008	WELDED COUPLING	0	0		0
2100	LUWA	TF21009	END CAP	0	0		0
2100	LUWA	TF21010	WELDED COUPLING	0	0		0
2100	LUWA	TF21011	90 ELBOW	0	0		0
2100	LUWA	TF21012	WELDED COUPLING	0	0		0
2100	LUWA	TF21013	COUPLING	0	0		0
2100	LUWA	TF21014	T CONNECTOR	0	0		0
2100	LUWA	TF21015	END CAP	0	0		0
2100	LUWA	TF21016	END CAP	0	0		0
2100	LUWA	TF21017	WELDED COUPLING FOR TEMP GAUGE	0	0		0
2100	LUWA	TF21018	ELBOW ON VACUUM LINE	0	0		0
2100	LUWA	TF21019	ELBOW	0	0		0
2100	LUWA	TF21020	T CONNECTOR	0	0		0
2100	LUWA	TF21021	90 ELBOW	0	0		0
2100	LUWA	TF21022	T CONNECTOR	0	0		0
2100	LUWA	TF21023	90 ELBOW	0	0		0
2100	LUWA	TF21024	45 ELBOW	0	0		0
2100	LUWA	TF21025	T CONNECTOR	0	0		0
2100	LUWA	TF21026	UNION	0	0		0
2100	LUWA	TF21027	90 ELBOW	0	0		0
2100	LUWA	TF21028	COUPLING	0	0		0

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
2100	LUWA	TF21029	WELDED COUPLING	0	0		0
2100	LUWA	TF21030	COUPLING ON VACUUM LINE TO 1300	0	0		0
2100	LUWA	TF21031	WELDED COUPLING	0	0		0
2100	LUWA	TF21032	UNION	0	0		0
2100	LUWA	TF21033	45 ELBOW	0	0		0
2100	LUWA	TF21034	45 ELBOW	0	0		0
2100	LUWA	TF21035	UNION	0	0		0
2100	LUWA	TF21036	COUPLING	0	0		0
2100	LUWA	TF21037	90 ELBOW	0	0		0
2100	LUWA	TF21038	90 ELBOW	0	0		0
2100	LUWA	TF21039	UNION	0	0		0
2100	LUWA	TF21040	COUPLING TO VALVE	0	0		0
2100	LUWA	TF21041	COUPLING TO VALVE	0	0		0
2100	LUWA	TF21042	90 ELBOW	0	0		0
2100	LUWA	TF21043	90 ELBOW	0	0		0
2100	LUWA	TF21044	UNION	0	0		0
2100	LUWA	TF21045	CLOSED CAP	0	0		0
2100	LUWA	TF21046	UNION ON TEMP GAUGE	0	0		0
2100	LUWA	TF21047	T CONNECTOR	0	0		0
2100	LUWA	TF21048	90 ELBOW	0	0		0
2100	LUWA	TF21049	90 ELBOW	0	0		0
2100	LUWA	TF21050	CLOSED CAP	0	0		0
2100	LUWA	TF21051	UNION	0	0		0
2100	LUWA	TF21052	90 ELBOW	0	0		0
2100	LUWA	TF21053	90 ELBOW	0	0		0
2100	LUWA	TF21054	90 ELBOW	0	0		0
2100	LUWA	TF21055	UNION	0	0		0
2100	LUWA	TF21056	90 ELBOW	0	0		0
2100	LUWA	TF21057	T CONNECTOR	0	0		0
2100	LUWA	TF21058	90 ELBOW	0	0		0
2100	LUWA	TF21059	UNION	0	0		0
2100	LUWA	TF21060	COUPLING	0	0		0
2100	LUWA	TF21061	COUPLING	0	0		0
2100	LUWA	TF21062	3-WAY	0	0		0
2100	LUWA	TF21063	3-WAY	0	0		0
2100	LUWA	TF21064	TEMP GAUGE COUPLING	0	0		0
2100	LUWA	TF21065	WELDED COUPLING	0	0		0
2100	LUWA	TF21066	UNION	0	0		0
2100	LUWA	TF21067	T CONNECTOR	0	0		0
2100	LUWA	TF21068	90 ELBOW	0	0		0
2100	LUWA	TF21069	90 ELBOW	0	0		0
2100	LUWA	TF21070	UNION	0	0		0
2100	LUWA	TF21071	ELBOW	0	0		0
2100	LUWA	TF21072	UNION	0	0		0
2100	LUWA	TF21073	T CONNECTOR	0	0		0
2100	LUWA	TF21074	END CAP	0	0		0
2100	LUWA	TF21075	T CONNECTOR	0	0		0
2100	LUWA	TF21076	90 ELBOW	0	0		0
2100	LUWA	TF21077	UNION	0	0		0
2100	LUWA	TF21078	90 ELBOW	0	0		0
2100	LUWA	TF21079	90 ELBOW	0	0		0
2100	LUWA	TF21080	90 ELBOW	0	0		0
2100	LUWA	TF21081	90 ELBOW	0	0		0
2100	LUWA	TF21082	T CONNECTOR	0	0		0
2100	LUWA	TF21083	90 ELBOW	0	0		0
2100	LUWA	TF21084	T CONNECTOR	0	0		0
2100	LUWA	TF21085	90 ELBOW	0	0		0
2100	LUWA	TF21086	OPEN END PIPELINE	0	0		0
2100	LUWA	TF21087	COUPLING	0	0		0
2100	LUWA	TF21088	CAP ON HE	0	0		0
2100	LUWA	TF21089	CAP ON HE	0	0		0
2100	LUWA	TF21090	CAP ON HE	0	0		0
2100	LUWA	TF21091	T CONNECTOR	0	0		0
2100	LUWA	TF21092	END CAP	0	0		0
2100	LUWA	TF21093	END CAP	0	0		0
2100	LUWA	TF21094	WELDED COUPLING	0	0		0
2100	LUWA	TF21095	T CONNECTOR	0	0		0
2100	LUWA	TF21096	90 ELBOW	0	0		0
2100	LUWA	TF21097	COUPLING	0	0		0
2100	LUWA	TF21098	90 ELBOW	0	0		0
2100	LUWA	TF21099	90 ELBOW	0	0		0
2100	LUWA	TF21100	UNION	0	0		0
2100	LUWA	TF21101	90 ELBOW	0	0		0
2100	LUWA	TF21102	T CONNECTOR	0	0		0
2100	LUWA	TF21103	90 ELBOW	0	0		0

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
2100	LUWA	TF21104	END CAP	0	0		0
2100	LUWA	TF21105	90 ELBOW	0	0		0
2100	LUWA	TF21106	90 ELBOW	0	0		0
2100	LUWA	TF21107	UNION	0	0		0
2100	LUWA	TF21108	T CONNECTOR	0	0		0
2100	LUWA	TF21109	90 ELBOW	0	0		0
2100	LUWA	TF21110	COUPLING	0	0		0
2100	LUWA	TF21111	REDUCER	0	0		0
2100	LUWA	TF21112	T CONNECTOR	0	0		0
2100	LUWA	TF21113	T CONNECTOR	0	0		0
2100	LUWA	TF21114	T CONNECTOR	0	0		0
2100	LUWA	TF21115	T CONNECTOR	0	0		0
2100	LUWA	TF21116	T CONNECTOR	0	0		0
2100	LUWA	TF21117	T CONNECTOR	0	0		0
2100	LUWA	TF21118	REDUCER	0	0		0
2100	LUWA	TF21119	COUPLING	0	0		0
2100	LUWA	TF21120	90 ELBOW	0	0		0
2100	LUWA	TF21121	90 ELBOW	0	0		0
2100	LUWA	TF21122	90 ELBOW	0	0		0
2100	LUWA	TF21123	90 ELBOW	0	0		0
2100	LUWA	TF21124	90 ELBOW	0	0		0
2100	LUWA	TF21125	90 ELBOW	0	0		0
2100	LUWA	TF21126	90 ELBOW	0	0		0
2100	LUWA	TF21127	OPEN END PIPELINE	0	0		0
2100	LUWA	TF21128	WELDED COUPLING	0	0		0
2100	LUWA	TF21129	90 ELBOW	0	0		0
2100	LUWA	TF21130	90 ELBOW	0	0		0
2100	LUWA	TF21131	90 ELBOW	0	0		0
2100	LUWA	TF21132	90 ELBOW	0	0		0
2100	LUWA	TF21133	WELDED COUPLING	0	0		0
2100	LUWA	TF21134	END CAP	0	0		0
2100	LUWA	TF21135	REDUCER	0	0		0
2100	LUWA	TF21136	REDUCER	0	0		0
2100	LUWA	TF21137	90 ELBOW	0	0		0
2100	LUWA	TF21138	90 ELBOW	0	0		0
2100	LUWA	TF21139	T CONNECTOR	0	0		0
2100	LUWA	TF21140	90 ELBOW	0	0		0
2100	LUWA	TF21141	90 ELBOW	0	0		0
2100	LUWA	TF21142	WELDED COUPLING	0	0		0
2100	LUWA	TF21143	90 ELBOW	0	0		0
2100	LUWA	TF21144	T CONNECTOR	0	0		0
2100	LUWA	TF21145	90 ELBOW	0	0		0
2100	LUWA	TF21146	COUPLING	0	0		0
2100	LUWA	TF21147	ELBOW	0	0		0
2100	LUWA	TF21148	END CAP	0	0		0
2100	LUWA	TF21149	90 ELBOW	0	0		0
2100	LUWA	TF150	WELDED FITTING	0	0		0
2100	LUWA	TF151	VOID	0	0		0
2100	LUWA	TF152	COUPLING	0	0		0
2100	LUWA	TF153	T CONNECTOR	0	0		0
2100	LUWA	TF154	COUPLING	0	0		0
2100	LUWA	TF155	T CONNECTOR	0	0		0
2100	LUWA	TF156	90 ELBOW	0	0		0
2100	LUWA	TF157	REDUCER	0	0		0
2100	LUWA	TF158	COUPLING	0	0		0
2100	LUWA	TF159	90 ELBOW	0	0		0
2100	LUWA	TF160	45 ELBOW	0	0		0

Safety-Kleen Corp.

RECYCLE CENTER

Lexington, South Carolina RC #630

SCD 077995488

MONTHLY REPORT - EMISSION DETECTION MONITORING

Method of Compliance - Emission Detection and Repair

Date:

Area Number 3100

Area Name WEST COOKER

Aim Gas Detector Serial #

Pump Serial #

Pre-test Cal By:

Inspected By:

Review By:

Total Organics Typically 60 - 100 % by Weight

Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3100	WEST COOKER	F31001	FLANGE	150 #	3	Y	
3100	WEST COOKER	F31002	FLANGE	150 #	2		
3100	WEST COOKER	F31003	FLANGE	150 #	2		
3100	WEST COOKER	F31004	FLANGE	150 #	2		
3100	WEST COOKER	F31005	FLANGE	150 #	2		
3100	WEST COOKER	F31006	FLANGE	150 #	2		
3100	WEST COOKER	F31007	FLANGE	150 #	2		
3100	WEST COOKER	F31008	FLANGE	150 #	2		
3100	WEST COOKER	F31009	FLANGE	150 #	3		
3100	WEST COOKER	F31010	FLANGE	150 #	3		
3100	WEST COOKER	F31011	FLANGE	150 #	3		
3100	WEST COOKER	F31012	FLANGE	150 #	3		
3100	WEST COOKER	F31013	FLANGE	150 #	1		
3100	WEST COOKER	F31014	FLANGE	150 #	1.5		
3100	WEST COOKER	F31015	FLANGE	150# R.F. S.O.	4		4"PS- AA-N1
3100	WEST COOKER	F31016	FLANGE	150# RF SO	4		4"PS- AA-N1
3100	WEST COOKER	F31017	FLANGE	150# RF 50	3		3"PS- AA-N1
3100	WEST COOKER	F31018	FLANGE	150# RF SO	3		3"PS- AA-N1
3100	WEST COOKER	F31019	FLANGE		1		2"PS- AA-N1
3100	WEST COOKER	F31020	FLANGE	150#RF THR'D	1.5		2"PS- AA-N1
3100	WEST COOKER	F31021	FLANGE	150#RF THRD	2		2"PS- AA-N1
3100	WEST COOKER	F31022	FLANGE		2		2"PS- AA-N1
3100	WEST COOKER	F31023	FLANGE	150#RF THR'D	2		2"PS- AA-N1
3100	WEST COOKER	F31024	FLANGE	150# RF BLIND	2		2"PS- AA-N1
3100	WEST COOKER	F31025	FLANGE	150#RF THR'D	2		2"PS- AA-N1
3100	WEST COOKER	F31026	FLANGE	150#RF S.O.	3		3"PS- AA-N1
3100	WEST COOKER	OE31001	OPEN END PIPELINE		0.5		1 1/2"PS- -AA-N1
3100	WEST COOKER	OE31002	OPEN END PIPELINE		1.5		1 1/2"PS- -AA-N1
3100	WEST COOKER	OE31003	OPEN END PIPELINE		1.5		2"PS- AA-N1
3100	WEST COOKER	OE31004	OPEN END PIPELINE		1.5		
3100	WEST COOKER	OE31005	OPEN END PIPELINE		1.5		
3100	WEST COOKER	OE31006	OPEN END PIPELINE		0.5		
3100	WEST COOKER	OE31007	OPEN END PIPELINE		0.5		
3100	WEST COOKER	OE31008	OPEN END PIPELINE		0.5		
3100	WEST COOKER	OE31009	OPEN END PIPELINE		0.5		
3100	WEST COOKER	OE31010	OPEN END PIPELINE		0.5		
3100	WEST COOKER	OE31011	OPEN END PIPELINE		0.5		2"PS- AA-N1
3100	WEST COOKER	OE31012	OPEN END PIPELINE		0.5		2"PS- AA-N1
3100	WEST COOKER	OE31013	OPEN END PIPELINE		2		2"PS- -AA-N1
3100	WEST COOKER	OE31014	OPEN END PIPELINE		0.5		2"PS- -AA-N1
3100	WEST COOKER	OE31015	OPEN END PIPELINE		0.5		2"PS- AA-N1
3100	WEST COOKER	OE31016	OPEN END PIPELINE		2		2"PS- AA-N1
3100	WEST COOKER	OE31017	OPEN END PIPELINE		1		2"PS- A-N1
3100	WEST COOKER	OE31018	OPEN END PIPELINE		0.5		2"PS- AA-N1
3100	WEST COOKER	OE31019	OPEN END PIPELINE		0.5		2"PS- AA-N1
3100	WEST COOKER	OE31020	OPEN END PIPELINE		0.5		2"PS- -AA-N1
3100	WEST COOKER	OE31021	OPEN END PIPELINE		1		3"PS- AA-N1
3100	WEST COOKER	OE31022	OPEN END PIPELINE		1		2"PS- AA-N1
3100	WEST COOKER	OE32001	OPEN END PIPELINE		2		2" PS- AA-
3100	WEST COOKER	PSV31001	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	PSV31002	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	PSV31003	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	PSV31004	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	PSV31005	PRESSURE SAFETY VALVE	SPRING			

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3100	WEST COOKER	PSV31006	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	PSV31007	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	PSV31008	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	PSV31009	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	PSV31010	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	PSV31011	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	PSV31012	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	PSV31013	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	PSV31014	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	PSV31015	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	PSV31016	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	PSV31017	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	PSV31018	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	PSV31019	PRESSURE SAFETY VALVE	SPRING			
3100	WEST COOKER	STR3101	STRAINER				
3100	WEST COOKER	STR3102	STRAINER				
3100	WEST COOKER	V31001	VALVE	BALL	0		
3100	WEST COOKER	V31002	VALVE	BALL	0.5		
3100	WEST COOKER	V31003	VALVE	BALL	1.5		
3100	WEST COOKER	V31004	VALVE	BALL	1		
3100	WEST COOKER	V31005	VALVE	BALL	1.5		
3100	WEST COOKER	V31007	VALVE	BALL	1.5		
3100	WEST COOKER	V31008	VALVE	BALL	1		
3100	WEST COOKER	V31009	VALVE	BALL	1.5		
3100	WEST COOKER	V31010	VALVE	BALL	2		
3100	WEST COOKER	V31011	VALVE	BALL	0.5		
3100	WEST COOKER	V31012	VALVE	BALL	2		
3100	WEST COOKER	V31013	VALVE	BALL	2		
3100	WEST COOKER	V31014	VALVE	GLOBE	2		
3100	WEST COOKER	V31015	VALVE	BALL	0.5		
3100	WEST COOKER	V31016	VALVE	BALL	0.5		
3100	WEST COOKER	V31017	VALVE	BALL	0.5		
3100	WEST COOKER	V31018	VALVE	BALL	0.5		
3100	WEST COOKER	V31019	VALVE	BALL	2		
3100	WEST COOKER	V31020	VALVE	BALL	0.5		
3100	WEST COOKER	V31021	VALVE	BALL	0.5		
3100	WEST COOKER	V31022	VALVE	BALL	2		
3100	WEST COOKER	V31023	VALVE	BALL	0.5		
3100	WEST COOKER	V31024	VALVE	BALL	1		
3100	WEST COOKER	V31025	VALVE	BALL	0.5		
3100	WEST COOKER	V31026	VALVE	BALL	2		
3100	WEST COOKER	V31027	VALVE	BALL	2		
3100	WEST COOKER	V31028	VALVE	BALL	2		
3100	WEST COOKER	V31029	VALVE	BALL	2		
3100	WEST COOKER	V31030	VALVE	BALL	0.5		
3100	WEST COOKER	V31031	VALVE	BALL	1.5		
3100	WEST COOKER	V31032	VALVE	BALL	1.5		
3100	WEST COOKER	V31033	VALVE	BALL	0.5		
3100	WEST COOKER	V31034	VALVE	BALL	0.5		
3100	WEST COOKER	V31035	VALVE	CHECK	2		2"PS- -AA-N1
3100	WEST COOKER	V31036	VALVE	BALL	4		4"PS- AA-N1
3100	WEST COOKER	V31037	VALVE	BALL	3		3"PS- -AA-N1
3100	WEST COOKER	V31038	VALVE	BALL	1		3"PS- -AA-N1
3100	WEST COOKER	V31039	VALVE	BALL	2		2:PS- AA-N1
3100	WEST COOKER	V31040	VALVE	BALL	1		2"PS- AA-N1
3100	WEST COOKER	V31041	VALVE	BALL	1.5		2"PS- AA-N1
3100	WEST COOKER	V31042	VALVE	CHECK	2		2"PS- AA-N1
3100	WEST COOKER	V31043	VALVE	NEEDLE	0.25		2"PS- AA-N1
3100	WEST COOKER	V31044	VALVE	BALL	1		21"PS- AA-N1
3100	WEST COOKER	V31045	VALVE	BALL	2		2"PS- AA-N1
3100	WEST COOKER	V31046	VALVE	BALL, THREAD	0.75		
3100	WEST COOKER	V31047	VALVE	BALL, THREAD	1.5		
3100	WEST COOKER	V31048	VALVE	BALL, THREAD	1.5		
3100	WEST COOKER	V31049	VALVE	BALL, THREAD	1.5		

Safety-Kleen Corp.

RECYCLE CENTER

Lexington, South Carolina RC #630

SCD 077995488

MONTHLY REPORT - EMISSION DETECTION MONITORING

Method of Compliance - Emission Detection and Repair

Date:

Area Number 3200

Area Name CENTER COOKER

Aim Gas Detector Serial #

Pump Serial #

Pre-test Cal By:

Inspected By:

Review By:

Total Organics Typically 60 - 100 % by Weight

Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3200	CENTER COOKER	F32001	FLANGE	150 #	2		2"PS- AA-N1
3200	CENTER COOKER	F32002	FLANGE	150 #	2		2"PS- AA-N1
3200	CENTER COOKER	F32003	FLANGE	150# RF WN	4		4"PS- AA-N1
3200	CENTER COOKER	F32004	FLANGE	150#RF THR'D	4		4"PS- AA-N1
3200	CENTER COOKER	F32005	FLANGE	150#RF THR'D	3		3"PS- AA-N1
3200	CENTER COOKER	F32006	FLANGE	150#RF BLIND	4		3"PS- AA-N1
3200	CENTER COOKER	F32007	FLANGE	150#RF S.O.	3		3"PS- AA-N1
3200	CENTER COOKER	F32008	FLANGE	150#RF S.O.	3		3"PS- AA-N1
3200	CENTER COOKER	F32009	FLANGE	150#RF THREADED	1		2"PS- AA-N1
3200	CENTER COOKER	F32010	FLANGE	150#RF THREADED	2		2"PS- AA-N1
3200	CENTER COOKER	F32011	FLANGE	150#RF S.O.	2		2"PS- AA-N1
3200	CENTER COOKER	F32012	FLANGE	150#RF S.O.	2		3"PS- AA-N1
3200	CENTER COOKER	F32013	FLANGE	150#RF S.O.	2		2"PS- AA-N1
3200	CENTER COOKER	OE32002	OPEN END PIPELINE		1.5		2"PS- AA
3200	CENTER COOKER	OE32003	OPEN END PIPELINE		2		2"PS- AA
3200	CENTER COOKER	OE32004	OPEN END PIPELINE		0.5		2"PS- AA
3200	CENTER COOKER	OE32005	OPEN END PIPELINE		1		1"PS- AA
3200	CENTER COOKER	OE32006	OPEN END PIPELINE		3		3"P-S AA-N1
3200	CENTER COOKER	OE32007	OPEN END PIPELINE		2		3"PS- AA-N1
3200	CENTER COOKER	OE32008	OPEN END PIPELINE		2		3"PS- AA-N1
3200	CENTER COOKER	OE32009	OPEN END PIPELINE		1		1"PS- AA-N1
3200	CENTER COOKER	OE32010	OPEN END PIPELINE		2		2"PS- AA-N1
3200	CENTER COOKER	OE32011	OPEN END PIPELINE		1		2"PS- AA-N1
3200	CENTER COOKER	V32001	VALVE	BALL	1		
3200	CENTER COOKER	V32002	VALVE	BALL	1		
3200	CENTER COOKER	V32003	VALVE	BALL	2		
3200	CENTER COOKER	V32004	VALVE	BALL	1.5		
3200	CENTER COOKER	V32005	VALVE	BALL	1.5		
3200	CENTER COOKER	V32006	VALVE	BALL	1.5		
3200	CENTER COOKER	V32007	VALVE	BALL	0.5		
3200	CENTER COOKER	V32008	VALVE	BALL	1		1"PS- AA-N1
3200	CENTER COOKER	V32009	VALVE	BALL	1		1"PS- AA-N1
3200	CENTER COOKER	V32010	VALVE	BALL	4		4"PS- AA-N1
3200	CENTER COOKER	V32011	VALVE	BALL	3		23"PS- AA-N1
3200	CENTER COOKER	V32012	VALVE	BALL	2		2"PS- AA-N1
3200	CENTER COOKER	V32013	VALVE	CHECK	2		2"PS- AA-N1
3200	CENTER COOKER	V32014	VALVE	NEEDLE	0.25		2"PS- AA-N1
3200	CENTER COOKER	V32015	VALVE	BALL	1		1"PS- AA-N1
3200	CENTER COOKER	V32016	VALVE	BALL	2		
3200	CENTER COOKER	V32017	VALVE	BALL	1		
3200	CENTER COOKER	TF32001	REDUCER	0	0		0
3200	CENTER COOKER	TF32002	T CONNECTOR	0	0		0
3200	CENTER COOKER	TF32003	T CONNECTOR	0	0		0
3200	CENTER COOKER	TF32004	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32005	END CAP	0	0		0
3200	CENTER COOKER	TF32006	T CONNECTOR	0	0		0
3200	CENTER COOKER	TF32007	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32008	THREADED FLANGE	0	0		0
3200	CENTER COOKER	TF32009	COUPLING	0	0		0
3200	CENTER COOKER	TF32010	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32011	T CONNECTOR	0	0		0
3200	CENTER COOKER	TF32012	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32013	COUPLING	0	0		0
3200	CENTER COOKER	TF32014	T	0	0		0
3200	CENTER COOKER	TF32015	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32016	COUPLING	0	0		0
3200	CENTER COOKER	TF32017	COUPLING	0	0		0
3200	CENTER COOKER	TF32018	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32019	90ELBOW	0	0		0
3200	CENTER COOKER	TF32020	90ELBOW	0	0		0

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3200	CENTER COOKER	TF32021	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32022	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32023	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32024	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32025	T	0	0		0
3200	CENTER COOKER	TF32026	T	0	0		0
3200	CENTER COOKER	TF32027	REDUCER	0	0		0
3200	CENTER COOKER	TF32028	T	0	0		0
3200	CENTER COOKER	TF32029	COUPLER	0	0		0
3200	CENTER COOKER	TF32030	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32031	THREAD INTO PUMP 32	0	0		0
3200	CENTER COOKER	TF32032	THREAD OUT OF PUMP	0	0		0
3200	CENTER COOKER	TF32033	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32034	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32035	COUPLING	0	0		0
3200	CENTER COOKER	TF32036	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32037	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32038	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32039	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32040	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32041	COUPLING	0	0		0
3200	CENTER COOKER	TF32042	90	0	0		0
3200	CENTER COOKER	TF32043	90	0	0		0
3200	CENTER COOKER	TF32044	THREADED	0	0		0
3200	CENTER COOKER	TF32045	COUPLING	0	0		0
3200	CENTER COOKER	TF32046	90	0	0		0
3200	CENTER COOKER	TF32047	90	0	0		0
3200	CENTER COOKER	TF32048	COUPLING	0	0		0
3200	CENTER COOKER	TF32049	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32050	90 ELBOW	0	0		0
3200	CENTER COOKER	TF32051	T ON PRV	0	0		0
3200	CENTER COOKER	TF32052	90	0	0		0
3200	CENTER COOKER	TF32053	90	0	0		0
3200	CENTER COOKER	TF32054	COUPLING	0	0		0
3200	CENTER COOKER	TF32055	T	0	0		0
3200	CENTER COOKER	TF32056	T	0	0		0
3200	CENTER COOKER	TF32057	COUPLING	0	0		0
3200	CENTER COOKER	TF32058	T	0	0		0
3200	CENTER COOKER	TF32059	90	0	0		0
3200	CENTER COOKER	TF32060	T	0	0		0
3200	CENTER COOKER	TF32061	ELBOW	0	0		0
3200	CENTER COOKER	TF32062	END	0	0		0
3200	CENTER COOKER	TF32063	90	0	0		0
3200	CENTER COOKER	TF32064	90	0	0		0
3200	CENTER COOKER	TF32065	90	0	0		0
3200	CENTER COOKER	TF32066	90	0	0		0

Safety-Kleen Corp.

RECYCLE CENTER

Lexington, South Carolina RC #630

SCD 077995488

MONTHLY REPORT - EMISSION DETECTION MONITORING

Method of Compliance - Emission Detection and Repair

Date:

Area Number 3300

Area Name EAST COOKER

Aim Gas Detector Serial #

Pump Serial #

Pre-test Cal By:

Inspected By:

Review By:

Total Organics Typically 60 - 100 % by Weight

Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3300	EAST COOKER	F33001	FLANGE	150 #	2		
3300	EAST COOKER	F33002	FLANGE	150 #	2		
3300	EAST COOKER	F33003	FLANGE	150 #	3		
3300	EAST COOKER	F33004	FLANGE	150 #	2		
3300	EAST COOKER	F33005	FLANGE	150 #	3		
3300	EAST COOKER	F33006	FLANGE	150 #	3		
3300	EAST COOKER	F33007	FLANGE	150 #	3		
3300	EAST COOKER	F33008	FLANGE	150 #	3		
3300	EAST COOKER	F33009	FLANGE	150 #	3		
3300	EAST COOKER	F33010	FLANGE	150 #	3		
3300	EAST COOKER	F33011	FLANGE	150 #	3		
3300	EAST COOKER	F33012	FLANGE	150 #	3		
3300	EAST COOKER	F33013	FLANGE	150 #	3		
3300	EAST COOKER	F33014	FLANGE	150 #	3		
3300	EAST COOKER	F33015	FLANGE	150 #	1.5		
3300	EAST COOKER	F33016	FLANGE	150 #	1		
3300	EAST COOKER	F33017	FLANGE	150#RF SO	3		3"PS- AA-N1
3300	EAST COOKER	F33018	FLANGE		3		3"PS- AA-N1
3300	EAST COOKER	F33019	FLANGE	150#RF SO	3		3"PS- AA-N1
3300	EAST COOKER	F33020	FLANGE	150#RF S.O.	3		3"PS- AA-N1
3300	EAST COOKER	F33021	FLANGE	150#RF S.O.	3		9"PS- AA-N1
3300	EAST COOKER	F33022	FLANGE	150#RF S.O.	4		4"PS- AA-N1
3300	EAST COOKER	F33023	FLANGE	150#RF S.O.	4		4"PS- AA-N1
3300	EAST COOKER	F33024	FLANGE	150#RF S.O.	4		4"PS- AA-N1
3300	EAST COOKER	F33025	FLANGE	150#RF S.O.	4		4"PS- AA-N1
3300	EAST COOKER	F33026	FLANGE	150#RF S.O.	4		4"PS- AA-N1
3300	EAST COOKER	F33027	FLANGE	150#RF SO.	4		4"PS- AA-N1
3300	EAST COOKER	F33028	FLANGE	150#RF BLIND	4		4"PS- AA-N1
3300	EAST COOKER	F33029	FLANGE	150#RF S.O.	2		2"PS- AA-N1
3300	EAST COOKER	F33030	FLANGE	150#RF S.O.	2		2"PS- AA-N2
3300	EAST COOKER	F33031	FLANGE	150#RF S.O.	1		2"PS- AA-N1
3300	EAST COOKER	F33032	FLANGE	150#RF S.O.	1.5		2"PS- AA-N1
3300	EAST COOKER	F33033	FLANGE	150#	2		2"PS- AA-N1
3300	EAST COOKER	F33034	FLANGE	150#	2		2"PS- AA-N1
3300	EAST COOKER	F33035	FLANGE	150# RF THREADED	2		2"PS- AA-N1
3300	EAST COOKER	F33036	FLANGE	150#RF S.O.	3		3"PS- AA-N1
3300	EAST COOKER	F33037	FLANGE	150# RF S.O.	3		3"PS- AA-N1
3300	EAST COOKER	OE33001	OPEN END PIPELINE		2		
3300	EAST COOKER	OE33002	OPEN END PIPELINE		2		
3300	EAST COOKER	OE33003	OPEN END PIPELINE		2		
3300	EAST COOKER	OE33004	OPEN END PIPELINE		0		
3300	EAST COOKER	OE33005	OPEN END PIPELINE		3		3"PS- AA-N1
3300	EAST COOKER	OE33006	OPEN END PIPELINE		0.5		2"PS- AA-N1
3300	EAST COOKER	OE33007	OPEN END PIPELINE		1		3"PS- AA-N1
3300	EAST COOKER	OE33008	OPEN END PIPELINE		1		3"PS- AA-N1
3300	EAST COOKER	OE33009	OPEN END PIPELINE		0.5		3"PS- AA-N1
3300	EAST COOKER	OE33010	OPEN END PIPELINE		0.5		3"PS- AA-N1
3300	EAST COOKER	OE33011	OPEN END PIPELINE		0		
3300	EAST COOKER	OE33012	OPEN END PIPELINE		2		4"PS- AA-N1
3300	EAST COOKER	OE33013	OPEN END PIPELINE		2		4"PS- AA-N1
3300	EAST COOKER	OE33014	OPEN END PIPELINE		4		4"PS- AA-N1
3300	EAST COOKER	OE33015	OPEN END PIPELINE		1		4"PS- AA-N1
3300	EAST COOKER	OE33016	OPEN END PIPELINE		1		2"PS- AA-N1
3300	EAST COOKER	OE33017	OPEN END PIPELINE		2		2"PS- AA-N1
3300	EAST COOKER	OE33018	OPEN END PIPELINE		0.5		2"PS AA-NA
3300	EAST COOKER	OE33019	OPEN END PIPELINE		1		2"PS- AA-N1
3300	EAST COOKER	OE33020	OPEN END PIPELINE		0.5		2"PS- AA-N1
3300	EAST COOKER	PSV33001	PRESSURE SAFETY VA	SPRING	1.5		
3300	EAST COOKER	STR3302	STRAINER				
3300	EAST COOKER	STR3303	STRAINER				

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3300	EAST COOKER	V33001	VALVE	BALL	1.5		
3300	EAST COOKER	V33002	VALVE	BALL	1		
3300	EAST COOKER	V33003	VALVE	BALL	2		
3300	EAST COOKER	V33004	VALVE	BALL	3		
3300	EAST COOKER	V33005	VALVE	BALL	1.5		
3300	EAST COOKER	V33006	VALVE	BALL	1		
3300	EAST COOKER	V33007	VALVE	BALL	2		
3300	EAST COOKER	V33008	VALVE	BALL	1.5		
3300	EAST COOKER	V33009	VALVE	BALL	1		
3300	EAST COOKER	V33010	VALVE	BALL	2		
3300	EAST COOKER	V33011	VALVE	BALL	2		
3300	EAST COOKER	V33012	VALVE	BALL	2		
3300	EAST COOKER	V33013	VALVE	BALL	1		
3300	EAST COOKER	V33014	VALVE	BALL	3		
3300	EAST COOKER	V33015	VALVE	BALL	3		
3300	EAST COOKER	V33016	VALVE	BALL	3		
3300	EAST COOKER	V33017	VALVE	BALL	3		
3300	EAST COOKER	V33018	VALVE	BALL	3		
3300	EAST COOKER	V33019	VALVE	CHECK	2		
3300	EAST COOKER	V33020	VALVE	BALL	2		
3300	EAST COOKER	V33021	VALVE	BALL	2		
3300	EAST COOKER	V33022	VALVE	BALL	0.5		
3300	EAST COOKER	V33023	VALVE	BALL	0.25		
3300	EAST COOKER	V33024	VALVE	BALL	1		3"PS- AA-N1
3300	EAST COOKER	V33025	VALVE	BALL	1		3"PS- AA-N1
3300	EAST COOKER	V33026	VALVE	BALL	0.5		3"PS- AA-N1
3300	EAST COOKER	V33027	VALVE	BALL	0.5		3"PS- AA-N1
3300	EAST COOKER	V33028	VALVE	BALL	0.5		3"PS- AA-N1
3300	EAST COOKER	V33029	VALVE	BALL	1		2"PS- AA-N1
3300	EAST COOKER	V33030	VALVE	BALL	3		3"PS- AA-N1
3300	EAST COOKER	V33031	VALVE	BALL	3		3"PS- AA-N1
3300	EAST COOKER	V33032	VALVE	BALL	4		4"PS- AA-N1
3300	EAST COOKER	V33033	VALVE	BALL	4		4"PS- AA-N1
3300	EAST COOKER	V33034	VALVE	BALL	1		4"PS- AA-N1
3300	EAST COOKER	V33035	VALVE	BALL	2		2"PS- AA-N1
3300	EAST COOKER	V33036	VALVE	BALL	0.5		2"PS- AA-N1
3300	EAST COOKER	V33037	VALVE	BALL	1		2"PS- AA-N1
3300	EAST COOKER	V33038	VALVE	BALL	2		2"PS- AA-N1
3300	EAST COOKER	V33039	VALVE	BALL	0.5		2"PS- AA-N1
3300	EAST COOKER	V33040	VALVE	BALL	2		2"PS- AA-N1
3300	EAST COOKER	V33041	VALVE	BALL	1		2"PS- AA-N1
3300	EAST COOKER	V33042	VALVE	BALL	2		2"PS- AA-N1
3300	EAST COOKER	V33043	VALVE	BALL	0.5		2"PS- AA-N1
3300	EAST COOKER	V33044	VALVE	BALL	1		2"PS- AA-N1
3300	EAST COOKER	TF33001	COUPLING	0	0		0
3300	EAST COOKER	TF33002	REDUCER	0	0		0
3300	EAST COOKER	TF33003	T	0	0		0
3300	EAST COOKER	TF33004	90 ELBOW	0	0		0
3300	EAST COOKER	TF33005	T	0	0		0
3300	EAST COOKER	TF33006	T INTO V33007	0	0		0
3300	EAST COOKER	TF33007	REDUCER	0	0		0
3300	EAST COOKER	TF33008	COUPLING	0	0		0
3300	EAST COOKER	TF33009	T	0	0		0
3300	EAST COOKER	TF33010	90 ELBOW	0	0		0
3300	EAST COOKER	TF33011	T	0	0		0
3300	EAST COOKER	TF33012	REDUCER	0	0		0
3300	EAST COOKER	TF33013	COUPLING	0	0		0
3300	EAST COOKER	TF33014	COUPLING	0	0		0
3300	EAST COOKER	TF33015	90 ELBOW	0	0		0
3300	EAST COOKER	TF33016	90 ELBOW	0	0		0
3300	EAST COOKER	TF33017	90 ELBOW	0	0		0
3300	EAST COOKER	TF33018	REDUCER	0	0		0
3300	EAST COOKER	TF33019	T	0	0		0
3300	EAST COOKER	TF33020	COUPLING	0	0		0
3300	EAST COOKER	TF33021	90	0	0		0
3300	EAST COOKER	TF33022	90 ELBOW	0	0		0
3300	EAST COOKER	TF33023	90 ELBOW	0	0		0
3300	EAST COOKER	TF33024	90 ELBOW	0	0		0
3300	EAST COOKER	TF33025	T	0	0		0
3300	EAST COOKER	TF33026	90	0	0		0
3300	EAST COOKER	TF33027	T	0	0		0
3300	EAST COOKER	TF33028	REDUCER	0	0		0
3300	EAST COOKER	TF33029	T	0	0		0
3300	EAST COOKER	TF33030	90	0	0		0
3300	EAST COOKER	TF33031	COUPLING ABOVE VALV	0	0		0
3300	EAST COOKER	TF33032	90	0	0		0
3300	EAST COOKER	TF33033	90	0	0		0
3300	EAST COOKER	TF33034	END CAP	0	0		0
3300	EAST COOKER	TF33035	REDUCER	0	0		0

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3300	EAST COOKER	TF33036	90	0	0		0
3300	EAST COOKER	TF33037	T	0	0		0
3300	EAST COOKER	TF33038	COUPLER	0	0		0
3300	EAST COOKER	TF33039	90	0	0		0
3300	EAST COOKER	TF33040	REDUCER	0	0		0
3300	EAST COOKER	TF33041	T	0	0		0
3300	EAST COOKER	TF33042	90	0	0		0
3300	EAST COOKER	TF33043	REDUCER	0	0		0
3300	EAST COOKER	TF33044	REDUCER	0	0		0
3300	EAST COOKER	TF33045	T	0	0		0
3300	EAST COOKER	TF33046	90	0	0		0
3300	EAST COOKER	TF33047	T	0	0		0
3300	EAST COOKER	TF33048	REDUCER	0	0		0
3300	EAST COOKER	TF33049	T	0	0		0
3300	EAST COOKER	TF33050	T	0	0		0
3300	EAST COOKER	TF33051	COUPLING	0	0		0
3300	EAST COOKER	TF33052	90	0	0		0
3300	EAST COOKER	TF33053	COUPLING	0	0		0
3300	EAST COOKER	TF33054	90	0	0		0
3300	EAST COOKER	TF33055	90	0	0		0
3300	EAST COOKER	TF33056	90	0	0		0
3300	EAST COOKER	TF33057	90	0	0		0
3300	EAST COOKER	TF33058	T	0	0		0
3300	EAST COOKER	TF33059	COUPLING	0	0		0
3300	EAST COOKER	TF33060	T WITH END CAP	0	0		0
3300	EAST COOKER	TF33061	T INTO PSI	0	0		0
3300	EAST COOKER	TF33062	REDUCER	0	0		0
3300	EAST COOKER	TF33063	90	0	0		0
3300	EAST COOKER	TF33064	REDUCER	0	0		0
3300	EAST COOKER	TF33065	REDUCER	0	0		0
3300	EAST COOKER	TF33066	90	0	0		0
3300	EAST COOKER	TF33067	REDUCER	0	0		0
3300	EAST COOKER	TF33068	REDUCER	0	0		0
3300	EAST COOKER	TF33069	T PRESSURE GAUGE	0	0		0
3300	EAST COOKER	TF33070	COUPLING	0	0		0
3300	EAST COOKER	TF33071	45 ELBOW	0	0		0
3300	EAST COOKER	TF33072	45 ELBOW	0	0		0
3300	EAST COOKER	TF33073	OPEN END	0	0		0
3300	EAST COOKER	TF33074	BOTTOM OF SEPERATC	0	0		0
3300	EAST COOKER	TF33075	T OFF BOTTOM	0	0		0
3300	EAST COOKER	TF33076	COUPLING	0	0		0
3300	EAST COOKER	TF33077	T	0	0		0
3300	EAST COOKER	TF33078	FITTING INTO KETTLE	0	0		0
3300	EAST COOKER	TF33079	COUPLING	0	0		0
3300	EAST COOKER	TF33080	90	0	0		0
3300	EAST COOKER	TF33081	90	0	0		0
3300	EAST COOKER	TF33082	LARGE 90	0	0		0

Safety-Kleen Corp.

RECYCLE CENTER

Lexington, South Carolina RC #630

SCD 077995488

MONTHLY REPORT - EMISSION DETECTION MONITORING

Method of Compliance - Emission Detection and Repair

Date:

Area Number 3600

Area Name STILL ROOM AND SUPPORT AREAS

Aim Gas Detector Serial #

Pump Serial #

Pre-test Cal By:

Inspected By:

Review By:

Total Organics Typically 60 - 100 % by Weight

Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3600	STILL ROOM AND SUPPORT AREAS	F36001	FLANGE	150 #	3		
3600	STILL ROOM AND SUPPORT AREAS	F36002	FLANGE	150 #	3		
3600	STILL ROOM AND SUPPORT AREAS	F36003	FLANGE	150 #	1		
3600	STILL ROOM AND SUPPORT AREAS	F36004	FLANGE	150 #	3		
3600	STILL ROOM AND SUPPORT AREAS	F36005	FLANGE	150 #	1.5		
3600	STILL ROOM AND SUPPORT AREAS	F36006	FLANGE	150 #	2		
3600	STILL ROOM AND SUPPORT AREAS	F36007	FLANGE	150 #	2		
3600	STILL ROOM AND SUPPORT AREAS	F36008	FLANGE	150 #	2		
3600	STILL ROOM AND SUPPORT AREAS	F36009	FLANGE	150 #	2		
3600	STILL ROOM AND SUPPORT AREAS	F36010	FLANGE	150 #	1		
3600	STILL ROOM AND SUPPORT AREAS	F36011	FLANGE	150 #	1		
3600	STILL ROOM AND SUPPORT AREAS	F36012	FLANGE	150 #	1		
3600	STILL ROOM AND SUPPORT AREAS	F36013	FLANGE	150 #	1		
3600	STILL ROOM AND SUPPORT AREAS	F36014	FLANGE	150 #	2		
3600	STILL ROOM AND SUPPORT AREAS	F36015	FLANGE	150 #	2		
3600	STILL ROOM AND SUPPORT AREAS	F36016	FLANGE	150 #	2		
3600	STILL ROOM AND SUPPORT AREAS	F36017	FLANGE	150 #	2		
3600	STILL ROOM AND SUPPORT AREAS	F36018	FLANGE	150 #	2		
3600	STILL ROOM AND SUPPORT AREAS	F36019	FLANGE	150 #	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	F36020	FLANGE	150 #	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	F36021	FLANGE	150 #	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	F36022	FLANGE	150 #	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	F36023	FLANGE	150 #	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	F36024	FLANGE	150 #	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	F36025	FLANGE	150 #	1		
3600	STILL ROOM AND SUPPORT AREAS	F36026	FLANGE	150 #	0.5		
3600	STILL ROOM AND SUPPORT AREAS	F36027	FLANGE	150#RF THREADED	2		2"PS- -AA-N1
3600	STILL ROOM AND SUPPORT AREAS	F36028	FLANGE	150#RF THREADED	2		2"PS- -AA-N1
3600	STILL ROOM AND SUPPORT AREAS	F36029	FLANGE	150#RF THREADED	2		2"PS- AA-
3600	STILL ROOM AND SUPPORT AREAS	F36030	FLANGE	125# THREADED	2		2"PS- AA-
3600	STILL ROOM AND SUPPORT AREAS	F36031	FLANGE	125# THREADED	2		2"PS- AA-
3600	STILL ROOM AND SUPPORT AREAS	F36032	FLANGE	125#THREADED	2		2"PS- AA
3600	STILL ROOM AND SUPPORT AREAS	F36033	FLANGE	125# THREADED	2		2"PS- AA-
3600	STILL ROOM AND SUPPORT AREAS	F36034	FLANGE	125# THREADED	2		2"PS- AA-
3600	STILL ROOM AND SUPPORT AREAS	F36035	FLANGE	125# THREADED	2		2"PS- -AA-N1

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3600	STILL ROOM AND SUPPORT AREAS	F36036	FLANGE	150#RF S.O.	2		2"PS- -AA-N1
3600	STILL ROOM AND SUPPORT AREAS	F36037	FLANGE	150#RF S.O.	2		2"PS- -AA-N1
3600	STILL ROOM AND SUPPORT AREAS	F36038	FLANGE	150#RF S.O.	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	F36039	FLANGE	150#RF S.O.	2		2"PS- -AA-N1
3600	STILL ROOM AND SUPPORT AREAS	OE36001	OPEN END PIPELINE		1		
3600	STILL ROOM AND SUPPORT AREAS	OE36002	OPEN END PIPELINE		0.5		
3600	STILL ROOM AND SUPPORT AREAS	OE36003	OPEN END PIPELINE		0.75		
3600	STILL ROOM AND SUPPORT AREAS	OE36004	OPEN END PIPELINE		0		
3600	STILL ROOM AND SUPPORT AREAS	OE36005	OPEN END PIPELINE		0.5		
3600	STILL ROOM AND SUPPORT AREAS	OE36006	OPEN END PIPELINE		0.5		
3600	STILL ROOM AND SUPPORT AREAS	OE36007	OPEN END PIPELINE		0.05		
3600	STILL ROOM AND SUPPORT AREAS	OE36008	OPEN END PIPELINE		0.5		
3600	STILL ROOM AND SUPPORT AREAS	OE36009	OPEN END PIPELINE		0.5		
3600	STILL ROOM AND SUPPORT AREAS	OE36010	OPEN END PIPELINE		2		
3600	STILL ROOM AND SUPPORT AREAS	OE36011	OPEN END PIPELINE		0.5		
3600	STILL ROOM AND SUPPORT AREAS	OE36012	OPEN END PIPELINE		2		
3600	STILL ROOM AND SUPPORT AREAS	OE36013	OPEN END PIPELINE		0.5		
3600	STILL ROOM AND SUPPORT AREAS	OE36014	OPEN END PIPELINE		0.5		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	OE36015	OPEN END PIPELINE		0.5		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	OE36016	OPEN END PIPELINE		0.5		
3600	STILL ROOM AND SUPPORT AREAS	OE36017	OPEN END PIPELINE		0.5		
3600	STILL ROOM AND SUPPORT AREAS	OE36018	OPEN END PIPELINE		0.75		
3600	STILL ROOM AND SUPPORT AREAS	OE36019	OPEN END PIPELINE		1		
3600	STILL ROOM AND SUPPORT AREAS	OE36020	OPEN END PIPELINE		0.5		
3600	STILL ROOM AND SUPPORT AREAS	OE36021	OPEN END PIPELINE		0.5		
3600	STILL ROOM AND SUPPORT AREAS	OE36022	OPEN END PIPELINE		0.5		
3600	STILL ROOM AND SUPPORT AREAS	OE36023	OPEN END PIPELINE		0		
3600	STILL ROOM AND SUPPORT AREAS	OE36024	OPEN END PIPELINE		1		1"WW- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	OE36025	OPEN END PIPELINE		1		1"WW- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	OE36026	OPEN END PIPELINE		0.5		1"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	OE36027	OPEN END PIPELINE		1		1"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	OE36028	OPEN END PIPELINE		0.5		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	OE36029	OPEN END PIPELINE		0.5		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	OE36030	OPEN END PIPELINE		0.5		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	OE36031	OPEN END PIPELINE		0.75		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	OE36032	OPEN END PIPELINE		0.5		1"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	OE36033	OPEN END PIPELINE		0		
3600	STILL ROOM AND SUPPORT AREAS	OE36034	OPEN END PIPELINE		0.5		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	OE36035	OPEN END PIPELINE		0.5		2"PS- AA
3600	STILL ROOM AND SUPPORT AREAS	OE36036	OPEN END PIPELINE		0.5		2"PS- AA-
3600	STILL ROOM AND SUPPORT AREAS	OE36037	OPEN END PIPELINE		0.5		2"PS- AA
3600	STILL ROOM AND SUPPORT AREAS	OE36038	OPEN END PIPELINE		0.5		1 1/2"PS - AA
3600	STILL ROOM AND SUPPORT AREAS	OE36039	OPEN END PIPELINE		0.5		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	OE36040	OPEN END PIPELINE		1		1"WW- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	OE36042	OPEN END PIPELINE		1		
3600	STILL ROOM AND SUPPORT AREAS	OE36043	OPEN END PIPELINE		1		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3600	STILL ROOM AND SUPPORT AREAS	OE36044	OPEN END PIPELINE		0		
3600	STILL ROOM AND SUPPORT AREAS	OE36045	OPEN END PIPELINE		0		
3600	STILL ROOM AND SUPPORT AREAS	P3601	PUMP		0		
3600	STILL ROOM AND SUPPORT AREAS	P3602	PUMP		0		
3600	STILL ROOM AND SUPPORT AREAS	P3603	PUMP		0		
3600	STILL ROOM AND SUPPORT AREAS	P3604	PUMP		0		
3600	STILL ROOM AND SUPPORT AREAS	P3605	PUMP		0		
3600	STILL ROOM AND SUPPORT AREAS	P3606	PUMP		0		
3600	STILL ROOM AND SUPPORT AREAS	STR3601	STRAINER				
3600	STILL ROOM AND SUPPORT AREAS	STR3602	STRAINER		0		
3600	STILL ROOM AND SUPPORT AREAS	V36001	VALVE	BALL	2		
3600	STILL ROOM AND SUPPORT AREAS	V36002	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36003	VALVE	BALL	2		
3600	STILL ROOM AND SUPPORT AREAS	V36004	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36005	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36006	VALVE	BALL	2		
3600	STILL ROOM AND SUPPORT AREAS	V36007	VALVE	CHECK	2		
3600	STILL ROOM AND SUPPORT AREAS	V36008	VALVE	BALL	2		
3600	STILL ROOM AND SUPPORT AREAS	V36009	VALVE	CHECK	2		
3600	STILL ROOM AND SUPPORT AREAS	V36010	VALVE	BALL	2		
3600	STILL ROOM AND SUPPORT AREAS	V36011	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36012	VALVE	CHECK	2		
3600	STILL ROOM AND SUPPORT AREAS	V36013	VALVE	BALL	2		
3600	STILL ROOM AND SUPPORT AREAS	V36014	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36015	VALVE	CHECK	1		
3600	STILL ROOM AND SUPPORT AREAS	V36016	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36017	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36018	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36019	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36020	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36021	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36022	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36023	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36024	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36025	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36026	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36027	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36028	VALVE	CHECK	1		
3600	STILL ROOM AND SUPPORT AREAS	V36029	VALVE	CONTROL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36030	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36031	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36032	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36033	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36034	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36035	VALVE	BALL	2		
3600	STILL ROOM AND SUPPORT AREAS	V36036	VALVE	BALL	2		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3600	STILL ROOM AND SUPPORT AREAS	V36037	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36038	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36039	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36040	VALVE	GLOBE	1		
3600	STILL ROOM AND SUPPORT AREAS	V36041	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36042	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36043	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36044	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36045	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36046	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36047	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36048	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36049	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36050	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36051	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36052	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36053	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36054	VALVE	BALL	2		
3600	STILL ROOM AND SUPPORT AREAS	V36055	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36056	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36057	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36058	VALVE	CHECK	1		
3600	STILL ROOM AND SUPPORT AREAS	V36059	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36060	VALVE	BALL	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36061	VALVE	BALL	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36062	VALVE	BALL	0.5		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36063	VALVE	BALL	0.5		2"PS- A-N1
3600	STILL ROOM AND SUPPORT AREAS	V36064	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36065	VALVE	BALL	2		
3600	STILL ROOM AND SUPPORT AREAS	V36066	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36067	VALVE	BALL	0.75		
3600	STILL ROOM AND SUPPORT AREAS	V36068	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36069	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36070	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36071	VALVE	GLOBE	0.75		
3600	STILL ROOM AND SUPPORT AREAS	V36073	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36074	VALVE	GLOBE	0.75		
3600	STILL ROOM AND SUPPORT AREAS	V36075	VALVE	NEEDLE	0.25		
3600	STILL ROOM AND SUPPORT AREAS	V36076	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36077	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36078	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36079	VALVE	CHECK	1		
3600	STILL ROOM AND SUPPORT AREAS	V36080	VALVE	NEEDLE	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36081	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36082	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36083	VALVE	BALL	0.5		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3600	STILL ROOM AND SUPPORT AREAS	V36084	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36085	VALVE	BALL	1		1"WW- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36086	VALVE	BALL	1		1"WW- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36087	VALVE	CHECK	1		1"WW- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36088	VALVE	BALL	1		1"WW- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36089	VALVE	BALL	0.5		1"WWW- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36090	VALVE	BALL	0.5		1"WW- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36091	VALVE	BALL	1		1"WW- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36092	VALVE	BALL	1		1"WW- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36093	VALVE	BALL	1		1"WW- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36094	VALVE	BALL	0.5		1"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36095	VALVE	BALL	1		1"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36096	VALVE	CHECK	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36097	VALVE	BALL	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36098	VALVE	CHECK	1		1"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36099	VALVE	BALL	1		1"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36100	VALVE	1"PS- AA-N1	1		1"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36101	VALVE	BALL	1.5		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36102	VALVE	BALL	1.5		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36103	VALVE	BALL	0.5		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36104	VALVE	BALL	1.5		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36105	VALVE	BALL	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36106	VALVE	BALL	1		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36107	VALVE	BALL	1.5		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36108	VALVE	BALL	0.5		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36109	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36110	VALVE	BALL	0.75		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36111	VALVE	BALL	1		1"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36112	VALVE	BALL	0.5		1"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36113	VALVE	BALL			
3600	STILL ROOM AND SUPPORT AREAS	V36114	VALVE	BALL	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36115	VALVE	BALL	0.5		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36116	VALVE	BALL			
3600	STILL ROOM AND SUPPORT AREAS	V36117	VALVE	CHECK	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36118	VALVE	BALL	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36119	VALVE	BALL	0.5		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36120	VALVE	BALL	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36121	VALVE	CHECK	2		2"PS- AA
3600	STILL ROOM AND SUPPORT AREAS	V36122	VALVE	BALL	0.5		2"PS- AA-
3600	STILL ROOM AND SUPPORT AREAS	V36123	VALVE	CHECK	2		2"PS- AA-
3600	STILL ROOM AND SUPPORT AREAS	V36124	VALVE	BALL	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36125	VALVE	BALL	0.5		2"PS- AA-
3600	STILL ROOM AND SUPPORT AREAS	V36126	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36127	VALVE	BALL	1		
3600	STILL ROOM AND SUPPORT AREAS	V36128	VALVE	BALL	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36129	VALVE	BALL	0.5		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3600	STILL ROOM AND SUPPORT AREAS	V36130	VALVE	BALL	2		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36131	VALVE	BALL	0.5		2"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36132	VALVE	BALL	1		1"WW- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36133	VALVE	BALL	1		1"PS- AA-N1
3600	STILL ROOM AND SUPPORT AREAS	V36134	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36135	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36136	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36137	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36138	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36139	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36140	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36141	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36142	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36143	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36144	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36145	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36146	VALVE	BALL, THREAD	1.5		
3600	STILL ROOM AND SUPPORT AREAS	V36147	VALVE	BALL, THREAD	1.5		
3600	STILL ROOM AND SUPPORT AREAS	V36148	VALVE	BALL, THREAD	1.5		
3600	STILL ROOM AND SUPPORT AREAS	V36149	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36150	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36151	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36152	VALVE	VALVE	0		
3600	STILL ROOM AND SUPPORT AREAS	V36153	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36154	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36155	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36156	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36157	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36158	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36159	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36160	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36161	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36162	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36163	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36164	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36165	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36166	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36167	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36168	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36169	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36170	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36171	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36172	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36173	VALVE		0		
3600	STILL ROOM AND SUPPORT AREAS	V36174	VALVE		2		
3600	STILL ROOM AND SUPPORT AREAS	V36175	VALVE		0.5		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3600	STILL ROOM AND SUPPORT AREAS	V36176	VALVE		1		
3600	STILL ROOM AND SUPPORT AREAS	V36177	VALVE		0.75		
3600	STILL ROOM AND SUPPORT AREAS	V36178	VALVE	BALL, THREAD	0.75		
3600	STILL ROOM AND SUPPORT AREAS	V36179	VALVE	BALL, THREAD	0.75		
3600	STILL ROOM AND SUPPORT AREAS	V36180	VALVE	BALL, THREAD	0.75		
3600	STILL ROOM AND SUPPORT AREAS	V36181	VALVE	BALL,THREAD	1		
3600	STILL ROOM AND SUPPORT AREAS	V36182	VALVE	BALL,THREAD	1		
3600	STILL ROOM AND SUPPORT AREAS	V36183	VALVE	BALL,THREAD	1		
3600	STILL ROOM AND SUPPORT AREAS	V36184	VALVE	BALL,THREAD	1		
3600	STILL ROOM AND SUPPORT AREAS	V36185	VALVE	BALL	2		
3600	STILL ROOM AND SUPPORT AREAS	V36186	VALVE	CHECK THREAD	2		
3600	STILL ROOM AND SUPPORT AREAS	V36187	VALVE	CHECK THREAD	2		
3600	STILL ROOM AND SUPPORT AREAS	V36188	VALVE	CHECK THREAD	2		
3600	STILL ROOM AND SUPPORT AREAS	V36189	VALVE	BALL THREAD	0.75		
3600	STILL ROOM AND SUPPORT AREAS	V36190	VALVE	BALL T5HREAD	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36191	VALVE	BALL THREAD	0.5		
3600	STILL ROOM AND SUPPORT AREAS	V36192	VALVE	BALL THREAD	2		
3600	STILL ROOM AND SUPPORT AREAS	V36193	VALVE	BALL THREAD	2		
3600	STILL ROOM AND SUPPORT AREAS	V36194	VALVE	CHECK THREAD	1.5		
3600	STILL ROOM AND SUPPORT AREAS	V36195	VALVE	BALL THREAD	0.5		
3600	STILL ROOM AND SUPPORT AREAS	TF36001	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36002	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36003	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36004	45 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36005	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36006	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36007	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36008	ENLARGER	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36009	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36010	45 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36011	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36012	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36013	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36014	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36015	COUPLING	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36016	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36016A	T	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36016B	90 DEG ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36016C	90 DEG ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36016D	COUPLING	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36016E	90 DEG ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36016F	COUPLING	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36016G	VALVE	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36016H	90 DEG ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36017	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36018	90 ELBOW	0	0		0

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3600	STILL ROOM AND SUPPORT AREAS	TF36019	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36020	REDUCER	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36020A	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF3600B	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36020C	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TFF36020D	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36020E	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36020F	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36020G	4 WAY T	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36020H	THREADED FITING IN WELDED PIPE	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36021	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36022	OPEN END	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36023	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36024	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36025	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36026	0	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36027	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36028	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36029	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36030	REDUCER	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36031	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36032	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36033	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36034	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36035	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36036	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36037	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36038	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36039	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36040	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36041	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36042	45 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36043	REDUCER/UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36044	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36045	COUPLING	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36046	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36047	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36048	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36049	COUPLING	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36050	REDUCER	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36051	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36052	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36053	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36054	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36055	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36056	T CONNECTOR	0	0		0

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3600	STILL ROOM AND SUPPORT AREAS	TF36057	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36058	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36059	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36060	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36061	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36062	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36063	COUPLING	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36064	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36065	4-WAY	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36066	VALVE	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36067	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36068	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36069	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36070	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36071	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36072	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36073	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36074	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36075	REDUCER	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36076	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36077	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36078	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36079	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36080	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36081	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36082	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36083	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36084	COUPLING	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36085	4-WAY MANIFOLD	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36086	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36087	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36088	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36089	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36090	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36091	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36092	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36093	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36094	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36095	UNION	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36096	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36097	COUPLING	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36098	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36099	45 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36100	COUPLING	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36101	COUPLING	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36102	45 ELBOW	0	0		0

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3600	STILL ROOM AND SUPPORT AREAS	TF36103	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36104	COUPLING	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36105	45 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36106	45 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36107	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36108	REDUCER	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36109	COUPLING	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36110	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36111	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36112	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36113	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36114	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36115	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36116	COUPLING	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36117	COUPLING	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36118	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36119	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36120	COUPLING	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36121	REDUCER	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36122	CAP (DISCONNECTED)	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36123	T CONNECTOR	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36124	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36125	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36126	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36127	90 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36128	45 ELBOW	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36129	COUPLING	0	0		0
3600	STILL ROOM AND SUPPORT AREAS	TF36130	REDUCER	0	0		0

Method of Compliance - Emission Detection and Repair

Date:

Area Number 3700

Area Name COOKER ROOM AND SUPPORT AREAS

Aim Gas Detector Serial #

Pump Serial #

Pre-test Cal By:

Inspected By:

Review By:

Total Organics Typically 60 - 100 % by Weight
Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3700	COOKER ROOM AND SUPPORT AREAS	F37017	FLANGE	150#RF WN	4		4"PS- -AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	F37018	FLANGE	150#RF S.O.	4		4"PS- -AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	F37019	FLANGE	150#RF S.O.	4		4"PS- -AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	F37020	FLANGE	150#RF S.O.	4		4"PS- -AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	F37021	FLANGE	150#RF S.O.	4		4"PS- -AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	F37022	FLANGE	150#RF S.O.	4		4"PS- -AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	F37023	FLANGE	150#RF BLIND	4		4"PS- -AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	F37024	FLANGE	150#RF S.O.	3		3"PS- -AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	F37025	FLANGE	150#RF S.O.	3		3"PS- -AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	F37030	FLANGE	150#RF S.O.	4		4"PS- AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	F37031	FLANGE	150#RF THREADED	2		2"PS- -AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	F37032	FLANGE	150#RF S.O.	2		2"PS- -AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	F37033	FLANGE	150#RF THREADED	2		2"PS- -AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	F37034	FLANGE	150#RF THREADED	1		2"PS- -AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	OE37001	OPEN END PIPELINE		1		1"PS- AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	OE37002	OPEN END PIPELINE		1.5		1 1/2" AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	OE37003	OPEN END PIPELINE		1.5		1 1/2" AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	OE37004	OPEN END PIPELINE		1		1 1/2" AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	OE37005	OPEN END PIPELINE		0.25		2" AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	OE37006	OPEN END PIPELINE		0.5		2" AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	OE37007	OPEN END PIPELINE		0.5		1 1/2" AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	OE37008	OPEN END PIPELINE		1		2" AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	OE37009	OPEN END PIPELINE		0.5		2" AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	OE37010	OPEN END PIPELINE		0.5		2" AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	OE37011	OPEN END PIPELINE		2		2" AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	OE37012	OPEN END PIPELINE		2		2" AA-
3700	COOKER ROOM AND SUPPORT AREAS	OE37013	OPEN END PIPELINE		2		2" AA-
3700	COOKER ROOM AND SUPPORT AREAS	OE37014	OPEN END PIPELINE		0.5		1 12" AA-
3700	COOKER ROOM AND SUPPORT AREAS	OE37015	OPEN END PIPELINE		0.5		2" AA-
3700	COOKER ROOM AND SUPPORT AREAS	OE37016	OPEN END PIPELINE		1		1"WW- AA
3700	COOKER ROOM AND SUPPORT AREAS	OE37017	OPEN END PIPELINE		0		2" AA
3700	COOKER ROOM AND SUPPORT AREAS	OE37018	OPEN END PIPELINE		0		2" AA
3700	COOKER ROOM AND SUPPORT AREAS	OE37019	OPEN END PIPELINE		0		2" AA
3700	COOKER ROOM AND SUPPORT AREAS	OE37020	OPEN END PIPELINE		0.5		3"PS- AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	OE37021	OPEN END PIPELINE		0.5		N.WALL COOKER RM.
3700	COOKER ROOM AND SUPPORT AREAS	OE37022	OPEN END PIPELINE		0		3"PS- AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	OE37023	OPEN END PIPELINE		3		3"PS- AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	OE37027	OPEN END PIPELINE		1.5		S.W.SIDE CK3100

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3700	COOKER ROOM AND SUPPORT AREAS	OE37028	OPEN END PIPELINE		2		Waste water line
3700	COOKER ROOM AND SUPPORT AREAS	P3701	PUMP				
3700	COOKER ROOM AND SUPPORT AREAS	P3702	PUMP				
3700	COOKER ROOM AND SUPPORT AREAS	P3703	PUMP				
3700	COOKER ROOM AND SUPPORT AREAS	P3704	PUMP				
3700	COOKER ROOM AND SUPPORT AREAS	P3705	PUMP				
3700	COOKER ROOM AND SUPPORT AREAS	P3706	PUMP		0		
3700	COOKER ROOM AND SUPPORT AREAS	P3707	PUMP		0		
3700	COOKER ROOM AND SUPPORT AREAS	P3708	PUMP		0		
3700	COOKER ROOM AND SUPPORT AREAS	P3709	PUMP		0		
3700	COOKER ROOM AND SUPPORT AREAS	P3710	PUMP		0		
3700	COOKER ROOM AND SUPPORT AREAS	TK3700	VP3700 SEAL LIQUID TANK		0		
3700	COOKER ROOM AND SUPPORT AREAS	TK3701	VP3700 SEAL LIQUID OVERFLOW TANK		0		
3700	COOKER ROOM AND SUPPORT AREAS	TK3702	TANK				
3700	COOKER ROOM AND SUPPORT AREAS	TK3703	TANK				
3700	COOKER ROOM AND SUPPORT AREAS	TK3704	TANK				
3700	COOKER ROOM AND SUPPORT AREAS	TK3705	TANK				
3700	COOKER ROOM AND SUPPORT AREAS	V37001	VALVE	BALL	2		
3700	COOKER ROOM AND SUPPORT AREAS	V37002	VALVE	BALL	2		
3700	COOKER ROOM AND SUPPORT AREAS	V37003	VALVE	BALL	1.5		
3700	COOKER ROOM AND SUPPORT AREAS	V37004	VALVE	CHECK	2		
3700	COOKER ROOM AND SUPPORT AREAS	V37005	VALVE	BALL	2		
3700	COOKER ROOM AND SUPPORT AREAS	V37006	VALVE	BALL	1.5		
3700	COOKER ROOM AND SUPPORT AREAS	V37007	VALVE	BALL	0.5		
3700	COOKER ROOM AND SUPPORT AREAS	V37008	VALVE	GLOBE	1.5		
3700	COOKER ROOM AND SUPPORT AREAS	V37009	VALVE	BALL	1.5		
3700	COOKER ROOM AND SUPPORT AREAS	V37010	VALVE	BALL	2		
3700	COOKER ROOM AND SUPPORT AREAS	V37011	VALVE	BALL	1		
3700	COOKER ROOM AND SUPPORT AREAS	V37012	VALVE	BALL	2		
3700	COOKER ROOM AND SUPPORT AREAS	V37013	VALVE	BALL	2		
3700	COOKER ROOM AND SUPPORT AREAS	V37014	VALVE	BALL	1		
3700	COOKER ROOM AND SUPPORT AREAS	V37015	VALVE	BALL	0.5		
3700	COOKER ROOM AND SUPPORT AREAS	V37016	VALVE	BALL	0.25		
3700	COOKER ROOM AND SUPPORT AREAS	V37017	VALVE	GATE	1.5		
3700	COOKER ROOM AND SUPPORT AREAS	V37018	VALVE	BALL	1.5		
3700	COOKER ROOM AND SUPPORT AREAS	V37019	VALVE	BALL	1		
3700	COOKER ROOM AND SUPPORT AREAS	V37020	VALVE	BALL	1		
3700	COOKER ROOM AND SUPPORT AREAS	V37021	VALVE	BALL	1		
3700	COOKER ROOM AND SUPPORT AREAS	V37022	VALVE	BALL	1		
3700	COOKER ROOM AND SUPPORT AREAS	V37023	VALVE	CHECK	1		
3700	COOKER ROOM AND SUPPORT AREAS	V37024	VALVE	CHECK	1.5		
3700	COOKER ROOM AND SUPPORT AREAS	V37025	VALVE	BALL	1.5		
3700	COOKER ROOM AND SUPPORT AREAS	V37026	VALVE	BALL	1.5		
3700	COOKER ROOM AND SUPPORT AREAS	V37027	VALVE	BALL	2		
3700	COOKER ROOM AND SUPPORT AREAS	V37028	VALVE	BALL	1.5		
3700	COOKER ROOM AND SUPPORT AREAS	V37029	VALVE	BALL	1		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3700	COOKER ROOM AND SUPPORT AREAS	V37030	VALVE	BALL	0.5		
3700	COOKER ROOM AND SUPPORT AREAS	V37031	VALVE	CHECK	2		
3700	COOKER ROOM AND SUPPORT AREAS	V37032	VALVE	BALL	2		
3700	COOKER ROOM AND SUPPORT AREAS	V37033	VALVE	BALL	0.5		
3700	COOKER ROOM AND SUPPORT AREAS	V37034	VALVE	BALL	0.5		
3700	COOKER ROOM AND SUPPORT AREAS	V37035	VALVE	BALL	2		
3700	COOKER ROOM AND SUPPORT AREAS	V37036	VALVE	BALL	2		
3700	COOKER ROOM AND SUPPORT AREAS	V37037	VALVE	BALL	2		
3700	COOKER ROOM AND SUPPORT AREAS	V37038	VALVE	BALL	2		
3700	COOKER ROOM AND SUPPORT AREAS	V37039	VALVE	BALL	2		
3700	COOKER ROOM AND SUPPORT AREAS	V37040	VALVE	BALL	0.5		
3700	COOKER ROOM AND SUPPORT AREAS	V37041	VALVE	BALL	0.5		
3700	COOKER ROOM AND SUPPORT AREAS	V37042	VALVE	BALL	0.5		3"PS- AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	V37043	VALVE	BALL	0.5		4"PS- AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	V37044	VALVE	GATE	3		3"PS- AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	V37045	VALVE	BALL	0.5		3"PS- AA-N1
3700	COOKER ROOM AND SUPPORT AREAS	V37049	VALVE	BALL	1		
3700	COOKER ROOM AND SUPPORT AREAS	V37051	VALVE	VALVE	1.5		

Safety-Kleen Corp.

RECYCLE CENTER

Lexington, South Carolina RC #630

SCD 077995488

MONTHLY REPORT - EMISSION DETECTION MONITORING

Method of Compliance - Emission Detection and Repair

Date:

Area Number 3800

Area Name BOILER ROOM - Removed, Not Applicable

Aim Gas Detector Serial #

Pump Serial #

Pre-test Cal By:

Inspected By:

Review By:

Total Organics Typically 60 - 100 % by Weight

Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
3800	BOILER ROOM	P3800	PUMP		0		Removed May 2005. Subpart BB is not applicable to this area.
3800	BOILER ROOM	P3801	PUMP		0		Removed May 2005. Subpart BB is not applicable to this area.
3800	BOILER ROOM	P3802	PUMP		0		Removed May 2005. Subpart BB is not applicable to this area.
3800	BOILER ROOM	P3803	PUMP		0		Removed May 2005. Subpart BB is not applicable to this area.
3800	BOILER ROOM	P3804	PUMP		0		Removed May 2005. Subpart BB is not applicable to this area.
3800	BOILER ROOM	P3805	PUMP		0		Removed May 2005. Subpart BB is not applicable to this area.
3800	BOILER ROOM	PSV3800	PRESSURE SAFETY VALVE	SPRING	0		Removed May 2005. Subpart BB is not applicable to this area.
3800	BOILER ROOM	PSV3801	PRESSURE SAFETY VALVE	SPRING	0		Removed May 2005. Subpart BB is not applicable to this area.
3800	BOILER ROOM	PSV3802	PRESSURE SAFETY VALVE	SPRING	0		Removed May 2005. Subpart BB is not applicable to this area.
3800	BOILER ROOM	PSV3803	PRESSURE SAFETY VALVE	SPRING	0		Removed May 2005. Subpart BB is not applicable to this area.
3800	BOILER ROOM	V38001	VALVE	THREADED GATE	1.5		Removed May 2005. Subpart BB is not applicable to this area.
3800	BOILER ROOM	V38002	VALVE	THREADED GATE	0.5		Removed May 2005. Subpart BB is not applicable to this area.
3800	BOILER ROOM	V38003	VALVE	THREADED GLOBE	0.75		Removed May 2005. Subpart BB is not applicable to this area.

Safety-Kleen Corp.

RECYCLE CENTER

Lexington, South Carolina RC #630

SCD 077995488

MONTHLY REPORT - EMISSION DETECTION MONITORING

Method of Compliance - Emission Detection and Repair

Date:

Area Number 3900

Area Name AIR COMPRESSOR ROOM - Removed, Not Applicable

Aim Gas Detector Serial #

Pump Serial #

Pre-test Cal By:

Inspected By:

Review By:

Total Organics Typically 60 - 100 % by Weight

Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
~~3900~~	~~AIR COMPRESSOR ROOM~~	~~PSV3901~~	~~PRESSURE SAFETY VALVE~~	~~SPRING~~	~~0~~		Removed May 2005. Subpart BB is not applicable to this area and equipment.

Safety-Kleen Corp.

RECYCLE CENTER

Lexington, South Carolina RC #630

SCD 077995488

MONTHLY REPORT - EMISSION DETECTION MONITORING

Method of Compliance - Emission Detection and Repair

Date:

Area Number 4000

Area Name FLARE

Aim Gas Detector Serial #

Pump Serial #

Pre-test Cal By:

Inspected By:

Review By:

Total Organics Typically 60 - 100 % by Weight

Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4000	FLARE	CV40001	VALVE	CONTROL, THREAD	1		
4000	FLARE	CV40002	VALVE	CONTROL, THREAD	2		
4000	FLARE	P4000	PUMP		0		
4000	FLARE	V40001	VALVE	CHECK, FLANGED	4		
4000	FLARE	V40002	VALVE	BALL, THREAD	0.75		
4000	FLARE	V40003	VALVE	NEEDLE, THREAD	0.5		
4000	FLARE	V40004	VALVE				
4000	FLARE	V40005	VALVE	NEEDLE, THREAD	0.5		
4000	FLARE	V40006	VALVE	NEEDLE, THREAD	0.5		
4000	FLARE	V40007	VALVE	BALL, THREAD	1		
4000	FLARE	V40008	VALVE	BALL, THREAD	1		
4000	FLARE	V40009	VALVE	BALL, THREAD	1		
4000	FLARE	V40010	VALVE	BALL, THREAD	1		
4000	FLARE	V40011	VALVE	BALL, THREAD	0.5		
4000	FLARE	V40012	VALVE	BALL, THREAD	1		
4000	FLARE	V40013	VALVE	BALL, THREAD	1		
4000	FLARE	V40014	VALVE	BALL, THREAD	1		
4000	FLARE	V40015	VALVE	BALL, THREAD	1		
4000	FLARE	V40016	VALVE	BALL, THREAD	1		
4000	FLARE	V40017	VALVE	BALL, THREAD	0.5		
4000	FLARE	V40018	VALVE	BALL, THREAD	1.5		
4000	FLARE	V40019	VALVE	BALL, THREAD	0.5		
4000	FLARE	V40020	VALVE	BALL, THREAD	1		
4000	FLARE	V40021	VALVE	BALL, THREAD	0.5		
4000	FLARE	V40022	VALVE	BALL, THREAD	0.5		
4000	FLARE	V40023	VALVE	BALL, THREAD	1		
4000	FLARE	V40024	VALVE	BALL, THREAD	1		
4000	FLARE	V40025	VALVE	BALL, THREAD	1		
4000	FLARE	V40026	VALVE	SIGHT GLASS	0.5		
4000	FLARE	V40027	VALVE	SIGHT GLASS	0.5		
4000	FLARE	V40028	VALVE	BALL, THREAD	1.5		
4000	FLARE	V40029	VALVE	BALL, THREAD	1.5		
4000	FLARE	V40030	VALVE	BALL, THREAD	0.5		
4000	FLARE	V40031	VALVE	BALL, THREAD	1		
4000	FLARE	V40032	VALVE	BALL, THREAD	1		
4000	FLARE	V40033	VALVE	BALL, THREAD	0.5		
4000	FLARE	V40034	VALVE	GATE, THREAD	0.5		
4000	FLARE	V40035	VALVE	GATE, THREAD	0.5		
4000	FLARE	V40036	VALVE	BALL, THREAD	0.5		
4000	FLARE	V40037	VALVE	NEEDLE, THREAD	0.5		
4000	FLARE	V40038	VALVE	SIGHT GLASS	0.75		
4000	FLARE	V40039	VALVE	SIGHT GLASS	0.75		
4000	FLARE	V40041	VALVE	CHECK	2		
4000	FLARE	V40042	VALVE	CHECK	2		
4000	FLARE	V40043	VALVE	BALL	2		
4000	FLARE	V40044	VALVE	BALL	2		
4000	FLARE	V40045	VALVE	BALL	2		
4000	FLARE	V40046	VALVE	BALL	2		
4000	FLARE	V40047	VALVE	CHECK	2		
4000	FLARE	V40048	VALVE	BALL	2		
4000	FLARE	V40049	VALVE	BALL	2		
4000	FLARE	V40050	VALVE	BALL	2		
4000	FLARE	V40051	VALVE	BALL	2		
4000	FLARE	V40052	VALVE	BALL	1		
4000	FLARE	V40053	VALVE	BALL	1		
4000	FLARE	V40054	VALVE	BALL	1		
4000	FLARE	V40055	VALVE	BALL	1		
4000	FLARE	V40056	VALVE	BALL	1		
4000	FLARE	V40057	VALVE	GLOBE	1		
4000	FLARE	V40058	VALVE	BALL	2		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4000	FLARE	V40059	VALVE	BALL	1		
4000	FLARE	V40060	VALVE	BALL, THREAD	0.5		
4000	FLARE	V40061	VALVE	BALL, THREADED	0.5		
4000	FLARE	V40062	VALVE	BALL, THREAD	0.5		

Safety-Kleen Corp.

RECYCLE CENTER

Lexington, South Carolina RC #630

SCD 077995488

MONTHLY REPORT - EMISSION DETECTION MONITORING

Method of Compliance - Emission Detection and Repair

Date:

Area Number 4100

Area Name TANK FARM #1

Aim Gas Detector Serial #

Pump Serial #

Pre-test Cal By:

Inspected By:

Review By:

Total Organics Typically 60 - 100 % by Weight

Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4100	TANK FARM #1	CV41001	VALVE	REGULATOR, FLANGED	6	N	
4100	TANK FARM #1	CV41002	VALVE	REGULATOR, THREAD	1	N	
4100	TANK FARM #1	EMV4115	EMERGENCY VENTS	150#RFSO	3	Y	
4100	TANK FARM #1	F-41300	FLANGE		0	Y	
4100	TANK FARM #1	F-41301	FLANGE		0	Y	
4100	TANK FARM #1	F-41302	FLANGE		0	Y	
4100	TANK FARM #1	F-41303	VALVE		0	Y	
4100	TANK FARM #1	F-41304	FLANGE		0	Y	
4100	TANK FARM #1	F-41305	FLANGE		0	Y	
4100	TANK FARM #1	F-41306	FLANGE		0	Y	
4100	TANK FARM #1	F-41307	FLANGE		0	Y	
4100	TANK FARM #1	F-41308	FLANGE		0	Y	
4100	TANK FARM #1	F-41309	FLANGE		0	Y	
4100	TANK FARM #1	F-41310	FLANGE		0	Y	
4100	TANK FARM #1	F-41311	FLANGE		0	Y	
4100	TANK FARM #1	F-41312	FLANGE		0	Y	
4100	TANK FARM #1	F-41313	FLANGE		0	Y	
4100	TANK FARM #1	F-41314	FLANGE		0	Y	
4100	TANK FARM #1	F-41315	FLANGE		0	Y	
4100	TANK FARM #1	F-41316	FLANGE		0	Y	
4100	TANK FARM #1	F-41317	FLANGE		0	Y	
4100	TANK FARM #1	F41001	FLANGE	150#RF S.O.	3	Y	
4100	TANK FARM #1	F41002	FLANGE	150#RF S.O.	3	Y	
4100	TANK FARM #1	F41003	FLANGE	150#RF S.O.	3	Y	
4100	TANK FARM #1	F41004	FLANGE	150#RF S.O.	3	Y	
4100	TANK FARM #1	F41005	FLANGE	150#RF S.O.	3	Y	
4100	TANK FARM #1	F41006	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41007	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41008	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41009	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41010	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41011	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41012	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41013	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41014	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41015	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41016	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41017	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41018	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41019	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41020	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41021	FLANGE	150#RFSO	4	Y	
4100	TANK FARM #1	F41022	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41023	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41024	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41025	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41026	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41027	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41028	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41029	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41030	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41031	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41032	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41033	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41034	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41035	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41036	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41037	FLANGE	150#RFTHRD	3	Y	
4100	TANK FARM #1	F41038	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41039	FLANGE	150#RFTHRD	3	Y	

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4100	TANK FARM #1	F41040	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41041	FLANGE	150#THRD	3	Y	
4100	TANK FARM #1	F41042	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41043	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41044	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41045	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41046	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41047	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41048	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41049	FLANGE	150#	2	Y	
4100	TANK FARM #1	F41050	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41051	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41052	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41053	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41054	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41055	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41056	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41057	FLANGE	150#RFSO	4	Y	
4100	TANK FARM #1	F41058	FLANGE	150# BLIND	4	Y	
4100	TANK FARM #1	F41059	FLANGE	150# BLIND	4	Y	
4100	TANK FARM #1	F41060	FLANGE	150# BLIND	4	Y	
4100	TANK FARM #1	F41061	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41062	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41063	FLANGE	150#RF THRD	2	Y	
4100	TANK FARM #1	F41064	FLANGE	150#RF THRD	2	Y	
4100	TANK FARM #1	F41065	FLANGE	150#RF SCHD	1.5	Y	
4100	TANK FARM #1	F41066	FLANGE	1150#FF SCR'D	3	Y	
4100	TANK FARM #1	F41067	FLANGE	150#FF SO	3	Y	
4100	TANK FARM #1	F41068	FLANGE	150# FFSO	3	Y	
4100	TANK FARM #1	F41069	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41070	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41071	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41072	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41073	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41074	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41075	FLANGE	150#RF THRD	3	Y	
4100	TANK FARM #1	F41076	FLANGE	150#RF SO	3	Y	
4100	TANK FARM #1	F41077	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41078	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41079	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41080	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41081	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41082	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41083	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41084	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41085	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41086	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41087	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41088	FLANGE	150# RF BLIND	3	Y	
4100	TANK FARM #1	F41089	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41090	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41091	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41092	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41093	FLANGE	150# RFSO	3	Y	
4100	TANK FARM #1	F41094	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41095	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41096	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41097	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41098	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41099	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41100	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41101	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41102	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41103	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41104	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41105	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41106	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41107	FLANGE	150#RF BLIND	3	Y	
4100	TANK FARM #1	F41108	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41109	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41110	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41111	FLANGE	150 #	3	Y	
4100	TANK FARM #1	F41112	FLANGE	150# RFSO	3	Y	
4100	TANK FARM #1	F41113	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41114	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41115	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41116	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41117	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41118	FLANGE	150#RFSO	2	Y	

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4100	TANK FARM #1	F41119	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41120	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41121	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41122	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41123	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41124	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41125	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41126	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41127	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41128	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41129	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41130	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41131	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41132	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41133	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41134	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41135	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41136	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41137	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41138	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41139	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41140	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41141	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41142	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41143	FLANGE	150#RF THRD	3	Y	
4100	TANK FARM #1	F41144	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41145	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41146	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41147	FLANGE	150#RF THR'D	3	Y	
4100	TANK FARM #1	F41148	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41149	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41150	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41151	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41152	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41153	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41154	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41155	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41156	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41159	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41160	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41161	FLANGE	150#RFSO	4	Y	
4100	TANK FARM #1	F41162	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41163	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41164	FLANGE	150#RF THRD	2	Y	
4100	TANK FARM #1	F41165	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41166	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41167	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41168	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41169	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41170	FLANGE	150#RFSO	2	Y	
4100	TANK FARM #1	F41171	FLANGE	150#RFSO	4	Y	
4100	TANK FARM #1	F41172	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41173	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41174	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41175	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41176	FLANGE	150#RF BLD	4	Y	
4100	TANK FARM #1	F41177	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41178	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41179	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41180	FLANGE	10#RFSO	3	Y	
4100	TANK FARM #1	F41181	FLANGE	150#RFSO	3	Y	
4100	TANK FARM #1	F41182	FLANGE		0	Y	
4100	TANK FARM #1	F41183	FLANGE	RFSO	3	Y	
4100	TANK FARM #1	F41184	FLANGE	RFSO	3	Y	
4100	TANK FARM #1	F41185	FLANGE	RFOS	3	Y	
4100	TANK FARM #1	F41186	FLANGE	RFSO	3	Y	
4100	TANK FARM #1	F41187	FLANGE	150#RFSO	4	Y	
4100	TANK FARM #1	F41188	FLANGE	150#RFSO	4	Y	
4100	TANK FARM #1	OE			0	Y	
4100	TANK FARM #1	OE-41150	OPEN END		0	Y	
4100	TANK FARM #1	OE-41152	OPEN END		0	Y	
4100	TANK FARM #1	OE-41154	OPEN END		0	Y	
4100	TANK FARM #1	OE-41155	OPEN END		0	Y	
4100	TANK FARM #1	OE-41156	OPEN END		0	Y	
4100	TANK FARM #1	OE-41157	OPEN END		0	Y	
4100	TANK FARM #1	OE-41158	OPEN END		0	Y	
4100	TANK FARM #1	OE-41159	OPEN END		0	Y	
4100	TANK FARM #1	OE-41160			0	Y	
4100	TANK FARM #1	OE-41161			0	Y	

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4100	TANK FARM #1	OE-41162			0	Y	
4100	TANK FARM #1	OE-41163	OPEN END		0	Y	
4100	TANK FARM #1	OE-41164	OPEN END		0	Y	
4100	TANK FARM #1	OE-41165	OPEN END		0	Y	
4100	TANK FARM #1	OE-41166	OPEN END		0	Y	
4100	TANK FARM #1	OE-41167	OPEN END		0	Y	
4100	TANK FARM #1	OE-41168	OPEN END		0	Y	
4100	TANK FARM #1	OE-41169	OPEN END		0	Y	
4100	TANK FARM #1	OE-41170	OPEN END		0	Y	
4100	TANK FARM #1	OE-41171	OPEN END		0	Y	
4100	TANK FARM #1	OE-41172	OPEN END		0	Y	
4100	TANK FARM #1	OE-41173	OPEN END		0	Y	
4100	TANK FARM #1	OE-41174	OPEN END		0	Y	
4100	TANK FARM #1	OE-41175	OPEN END		0	Y	
4100	TANK FARM #1	OE-41176	OPEN END		0	Y	
4100	TANK FARM #1	OE-41177	OPEN END		0	Y	
4100	TANK FARM #1	OE-41178	OPEN END		0	Y	
4100	TANK FARM #1	OE-41179	OPEN END		0	Y	
4100	TANK FARM #1	OE-41180	OPEN END		0	Y	
4100	TANK FARM #1	OE-41181	OPEN END		0	Y	
4100	TANK FARM #1	OE-41182	OPEN END		0	Y	
4100	TANK FARM #1	OE-41183	OPEN END		0	Y	
4100	TANK FARM #1	OE-41184	OPEN END		0	Y	
4100	TANK FARM #1	OE-41185	OPEN END		0	Y	
4100	TANK FARM #1	OE-41187	OPEN END		0	Y	
4100	TANK FARM #1	OE-41188	OPEN END		0	Y	
4100	TANK FARM #1	OE-41189	OPEN END		0	Y	
4100	TANK FARM #1	OE-41190	OPEN END		0	Y	
4100	TANK FARM #1	OE-41191	OPEN END		0	Y	
4100	TANK FARM #1	OE-41192	OPEN END		0	Y	
4100	TANK FARM #1	OE-41193	OPEN END		0	Y	
4100	TANK FARM #1	OE-41194	OPEN END		0	Y	
4100	TANK FARM #1	OE-41195	OPEN END		0	Y	
4100	TANK FARM #1	OE-41196	OPEN END		0	Y	
4100	TANK FARM #1	OE-41197	OPEN END		0	Y	
4100	TANK FARM #1	OE-41198	OPEN END		0	Y	
4100	TANK FARM #1	OE-41199	OPEN END		0	Y	
4100	TANK FARM #1	OE-41201	OPEN END		0	Y	
4100	TANK FARM #1	OE-41202	OPEN END		0	Y	
4100	TANK FARM #1	OE-41203	OPEN END		0	Y	
4100	TANK FARM #1	OE41001	OPEN END PIPELINE		3	Y	
4100	TANK FARM #1	OE41002	OPEN END PIPELINE		0	Y	
4100	TANK FARM #1	OE41003	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41004	OPEN END PIPELINE		2	Y	
4100	TANK FARM #1	OE41005	OPEN END PIPELINE		0.25	Y	
4100	TANK FARM #1	OE41006	OPEN END PIPELINE		2	Y	
4100	TANK FARM #1	OE41007	OPEN END PIPELINE		2	Y	
4100	TANK FARM #1	OE41008	OPEN END PIPELINE		0	Y	
4100	TANK FARM #1	OE41009	OPEN END PIPELINE		1	Y	
4100	TANK FARM #1	OE41010	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41011	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41012	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41013	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41014	OPEN END PIPELINE		3	Y	
4100	TANK FARM #1	OE41015	OPEN END PIPELINE		1	Y	
4100	TANK FARM #1	OE41016	OPEN END PIPELINE		3	Y	
4100	TANK FARM #1	OE41017	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41018	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41019	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41020	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41021	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41022	OPEN END PIPELINE		0.75	Y	
4100	TANK FARM #1	OE41023	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41024	OPEN END PIPELINE		2	Y	
4100	TANK FARM #1	OE41025	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41027	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41028	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41029	OPEN END PIPELINE		3	Y	
4100	TANK FARM #1	OE41030	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41031	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41032	OPEN END PIPELINE		0.75	Y	
4100	TANK FARM #1	OE41033	OPEN END PIPELINE		0.75	Y	
4100	TANK FARM #1	OE41034	OPEN END PIPELINE		3	Y	
4100	TANK FARM #1	OE41035	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41036	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41037	OPEN END PIPELINE		2	Y	
4100	TANK FARM #1	OE41038	OPEN END PIPELINE		0.75	Y	
4100	TANK FARM #1	OE41039	OPEN END PIPELINE		1	Y	
4100	TANK FARM #1	OE41040	OPEN END PIPELINE		0.5	Y	

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4100	TANK FARM #1	OE41041	OPEN END PIPELINE		0.5	Y	
4100	TANK FARM #1	OE41042	OPEN END PIPELINE		3	Y	
4100	TANK FARM #1	OE41043	OPEN END PIPELINE		3	Y	
4100	TANK FARM #1	OE41044	OPEN END PIPELINE		3	Y	
4100	TANK FARM #1	OE41045	OPEN END PIPELINE		3	Y	
4100	TANK FARM #1	OE41046	OPEN END PIPELINE		3	Y	
4100	TANK FARM #1	OE41047	OPEN END PIPELINE		1	Y	
4100	TANK FARM #1	OE41048	OPEN END PIPELINE		1	Y	
4100	TANK FARM #1	OE41049	OPEN END PIPELINE		1	Y	
4100	TANK FARM #1	OE41151	OPEN END		0	Y	
4100	TANK FARM #1	OE41153	OPEN END		0	Y	
4100	TANK FARM #1	P4100	PUMP		0	N	
4100	TANK FARM #1	P4101	PUMP			Y	
4100	TANK FARM #1	P4102	PUMP		0	Y	
4100	TANK FARM #1	P4103	PUMP			Y	
4100	TANK FARM #1	P4104	PUMP		0	Y	
4100	TANK FARM #1	P4105	PUMP		0	Y	
4100	TANK FARM #1	PSV41000	PRESSURE SAFETY VALVE	SPRING		Y	
4100	TANK FARM #1	PSV41001	PRESSURE SAFETY VALVE	SPRING		Y	
4100	TANK FARM #1	PSV41002	PRESSURE SAFETY VALVE	SPRING	0	Y	
4100	TANK FARM #1	PSV41003	PRESSURE SAFETY VALVE	SPRING	0	Y	
4100	TANK FARM #1	PSV41004	PRESSURE SAFETY VALVE	SPRING	0	Y	
4100	TANK FARM #1	PSV41005	PRESSURE SAFETY VALVE	SPRING	0	Y	
4100	TANK FARM #1	PSV41006	PRESSURE SAFETY VALVE	SPRING	0	Y	
4100	TANK FARM #1	PSV41007	PRESSURE SAFETY VALVE	SPRING	0	Y	
4100	TANK FARM #1	PSV41008	PRESSURE SAFETY VALVE	SPRING	0	Y	
4100	TANK FARM #1	PSV41009	PRESSURE SAFETY VALVE	SPRING	0	Y	
4100	TANK FARM #1	PSV41010	PRESSURE SAFETY VALVE	SPRING	0	Y	
4100	TANK FARM #1	PSV41012	PRESSURE SAFETY VALVE	SPRING	0	Y	
4100	TANK FARM #1	PSV41013	PRESSURE SAFETY VALVE	SPRING	0	Y	
4100	TANK FARM #1	PSV41014	PRESSURE SAFETY VALVE	SAFETY, FLANGED		Y	
4100	TANK FARM #1	PSV41015	PRESSURE SAFETY VALVE	SAFETY, FLANGED		Y	
4100	TANK FARM #1	PSV41016	PRESSURE SAFETY VALVE	SAFETY, FLANGED		Y	
4100	TANK FARM #1	PSV41020	PRESSURE SAFETY VALVE	PRESSURE SAFETY VALVE		Y	
4100	TANK FARM #1	PSV41021	PRESSURE SAFETY VALVE	PRESSURE SAFETY VALVE	0	Y	
4100	TANK FARM #1	PSV41022	PRESSURE SAFETY VALVE	PSV	1	Y	
4100	TANK FARM #1	PSV41023	PRESSURE SAFETY VALVE	PSV	0	Y	
4100	TANK FARM #1	STR4101	STRAINER			Y	
4100	TANK FARM #1	STR4102	STRAINER			Y	
4100	TANK FARM #1	V-41300	VALVE		0	Y	
4100	TANK FARM #1	V-41301	VALVE		0	Y	
4100	TANK FARM #1	V-41302	VALVE		0	Y	
4100	TANK FARM #1	V-41303	VALVE		0	Y	
4100	TANK FARM #1	V-41304	VALVE		0	Y	
4100	TANK FARM #1	V-41305	VALVE		0	Y	
4100	TANK FARM #1	V-41306	VALVE		0	Y	
4100	TANK FARM #1	V-41307	VALVE		0	Y	
4100	TANK FARM #1	V-41308	VALVE		0	Y	
4100	TANK FARM #1	V-41309	VALVE		0	Y	
4100	TANK FARM #1	V-41310	VALVE		0	Y	
4100	TANK FARM #1	V-41311	VALVE		0	Y	
4100	TANK FARM #1	V-41312	VALVE		0	Y	
4100	TANK FARM #1	V-41313	VALVE		0	Y	
4100	TANK FARM #1	V-41314	VALVE		0	Y	
4100	TANK FARM #1	V-41315	VALVE		0	Y	
4100	TANK FARM #1	V-41316	VALVE		0	Y	
4100	TANK FARM #1	V-41317	VALVE		0	Y	
4100	TANK FARM #1	V-41318	VALVE		0	Y	
4100	TANK FARM #1	V-41320	VALVE		0	Y	
4100	TANK FARM #1	V-41321	VALVE		0	Y	
4100	TANK FARM #1	V41001	VALVE	B/F	3	Y	
4100	TANK FARM #1	V41002	VALVE	B/F	3	Y	
4100	TANK FARM #1	V41003	VALVE	B/F	3	Y	
4100	TANK FARM #1	V41004	VALVE	B/F	4	Y	
4100	TANK FARM #1	V41005	VALVE	SAFETY SO	3	Y	
4100	TANK FARM #1	V41006	VALVE	B/F	3	Y	

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4100	TANK FARM #1	V41007	VALVE	B/F	3	Y	
4100	TANK FARM #1	V41008	VALVE	B/F	3	Y	
4100	TANK FARM #1	V41009	VALVE	B/F	3	Y	
4100	TANK FARM #1	V41010	VALVE	B/F	3	Y	
4100	TANK FARM #1	V41011	VALVE	SAFETY SO	2	Y	
4100	TANK FARM #1	V41012	VALVE	SAFETY SO	0.5	Y	
4100	TANK FARM #1	V41013	VALVE	SAFETY SO	3	Y	
4100	TANK FARM #1	V41014	VALVE	SAFETY SO	0.5	Y	
4100	TANK FARM #1	V41015	VALVE	SAFETY SO	3	Y	
4100	TANK FARM #1	V41016	VALVE	SAFETY SO	3	Y	
4100	TANK FARM #1	V41017	VALVE	SAFETY SO	3	Y	
4100	TANK FARM #1	V41018	VALVE	SAFETY SO	3	Y	
4100	TANK FARM #1	V41019	VALVE	SAFETY SHUT-OFF	3	Y	
4100	TANK FARM #1	V41020	VALVE	SAFETY SHUT OFF	3	Y	
4100	TANK FARM #1	V41021	VALVE	SAFETY SHUT OFF	3	Y	
4100	TANK FARM #1	V41022	VALVE	SAFETY SO	3	Y	
4100	TANK FARM #1	V41023	VALVE	SAFETY SO	3	Y	
4100	TANK FARM #1	V41024	VALVE	SAFETY SO	3	Y	
4100	TANK FARM #1	V41025	VALVE	GATE	3	Y	
4100	TANK FARM #1	V41026	VALVE	GATE	3	Y	
4100	TANK FARM #1	V41027	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41028	VALVE	SAFETY SO	2	Y	
4100	TANK FARM #1	V41029	VALVE	GATE	3	Y	
4100	TANK FARM #1	V41030	VALVE	SAFETY SO	3	Y	
4100	TANK FARM #1	V41031	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41032	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41033	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41034	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41035	VALVE		0	Y	
4100	TANK FARM #1	V41036	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41037	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41038	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41039	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41040	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41041	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41042	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41043	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41044	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41045	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41046	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41047	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41048	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41049	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41050	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41051	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41052	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41053	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41054	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41055	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41056	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41057	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41058	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41059	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41060	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41061	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41062	VALVE	CHECK	2	Y	
4100	TANK FARM #1	V41063	VALVE	GATE	2	Y	
4100	TANK FARM #1	V41064	VALVE	SAFETY SO	2	Y	
4100	TANK FARM #1	V41065	VALVE	BALL	0.75	Y	
4100	TANK FARM #1	V41066	VALVE	BALL	3	Y	
4100	TANK FARM #1	V41067	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41068	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41069	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41070	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41071	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41072	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41073	VALVE	BALL	3	Y	
4100	TANK FARM #1	V41074	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41075	VALVE	BALL	3	Y	
4100	TANK FARM #1	V41076	VALVE	BALL	3	Y	
4100	TANK FARM #1	V41077	VALVE	BALL	3	Y	
4100	TANK FARM #1	V41078	VALVE	BALL	1	Y	
4100	TANK FARM #1	V41079	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41080	VALVE	SAFETY SO	2	Y	
4100	TANK FARM #1	V41081	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41082	VALVE	SAFETY SO	3	Y	
4100	TANK FARM #1	V41083	VALVE	GATE	3	Y	
4100	TANK FARM #1	V41084	VALVE	SAFETY SO	3	Y	
4100	TANK FARM #1	V41085	VALVE	GATE	3	Y	

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4100	TANK FARM #1	V41086	VALVE	BALL	3	Y	
4100	TANK FARM #1	V41087	VALVE	SAFETY SO	3	Y	
4100	TANK FARM #1	V41088	VALVE	GATE	3	Y	
4100	TANK FARM #1	V41089	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41090	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41091	VALVE	GATE	3	Y	
4100	TANK FARM #1	V41092	VALVE	GATE	3	Y	
4100	TANK FARM #1	V41094	VALVE	GATE	3	Y	
4100	TANK FARM #1	V41095	VALVE	GATE	3	Y	
4100	TANK FARM #1	V41096	VALVE	GATE	3	Y	
4100	TANK FARM #1	V41097	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41098	VALVE	BALL	1	Y	
4100	TANK FARM #1	V41099	VALVE	GATE	3	Y	
4100	TANK FARM #1	V41100	VALVE	GATE	3	Y	
4100	TANK FARM #1	V41101	VALVE	GATE	3	Y	
4100	TANK FARM #1	V41102	VALVE	GATE	3	Y	
4100	TANK FARM #1	V41103	VALVE	GATE	3	Y	
4100	TANK FARM #1	V41104	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41105	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41106	VALVE	BALL	1	Y	
4100	TANK FARM #1	V41107	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41108	VALVE	BALL	1	Y	
4100	TANK FARM #1	V41109	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41110	VALVE	BALL	1	Y	
4100	TANK FARM #1	V41111	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41112	VALVE	BALL	1	Y	
4100	TANK FARM #1	V41113	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41114	VALVE	BALL	1	Y	
4100	TANK FARM #1	V41115	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41116	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41117	VALVE	SAFETY SO	2	Y	
4100	TANK FARM #1	V41118	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41119	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41120	VALVE	SAFETY SO	2	Y	
4100	TANK FARM #1	V41121	VALVE	GATE	2	Y	
4100	TANK FARM #1	V41122	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41123	VALVE	SAFETY SO	2	Y	
4100	TANK FARM #1	V41124	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41125	VALVE	SAFETY SO	2	Y	
4100	TANK FARM #1	V41126	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41127	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41128	VALVE	SAFETY SO	2	Y	
4100	TANK FARM #1	V41129	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41130	VALVE	SAFETY SO	2	Y	
4100	TANK FARM #1	V41131	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41132	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41133	VALVE	SAGETY SO	2	Y	
4100	TANK FARM #1	V41134	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41135	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41136	VALVE	SAFETY SO	2	Y	
4100	TANK FARM #1	V41137	VALVE	GATE	2	Y	
4100	TANK FARM #1	V41138	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41139	VALVE	SAFETY SO	2	Y	
4100	TANK FARM #1	V41140	VALVE	GATE	2	Y	
4100	TANK FARM #1	V41141	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41142	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41143	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41144	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41145	VALVE	SAFETY SO	3	Y	
4100	TANK FARM #1	V41146	VALVE	B/F	3	Y	
4100	TANK FARM #1	V41147	VALVE	SAFETY SO	3	Y	
4100	TANK FARM #1	V41148	VALVE	B/F	3	Y	
4100	TANK FARM #1	V41149	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41150	VALVE	B/F	3	Y	
4100	TANK FARM #1	V41151	VALVE	NEEDLE	0.5	Y	
4100	TANK FARM #1	V41152	VALVE	GLOBE	1	Y	
4100	TANK FARM #1	V41153	VALVE	BALL	1	Y	
4100	TANK FARM #1	V41154	VALVE	BALL	0.75	Y	
4100	TANK FARM #1	V41156	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41157	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41158	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41159	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41160	VALVE	B/F	3	Y	
4100	TANK FARM #1	V41161	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41162	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41163	VALVE	CHECK	2	Y	
4100	TANK FARM #1	V41164	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41165	VALVE	CHECK	2	Y	
4100	TANK FARM #1	V41166	VALVE	BALL	2	Y	

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4100	TANK FARM #1	V41167	VALVE	GATE	2	Y	
4100	TANK FARM #1	V41168	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41169	VALVE	BALL	3	Y	
4100	TANK FARM #1	V41170	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41171	VALVE	BALL	1	Y	
4100	TANK FARM #1	V41172	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41173	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41174	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41175	VALVE	GATE	2	Y	
4100	TANK FARM #1	V41176	VALVE	BALL	1	Y	
4100	TANK FARM #1	V41177	VALVE	BALL	0.75	Y	
4100	TANK FARM #1	V41178	VALVE	BALL	0.75	Y	
4100	TANK FARM #1	V41179	VALVE	BALL	0.75	Y	
4100	TANK FARM #1	V41180	VALVE	BALL	0.75	Y	
4100	TANK FARM #1	V41181	VALVE	BALL	0.75	Y	
4100	TANK FARM #1	V41182	VALVE	BALL	0.75	Y	
4100	TANK FARM #1	V41183	VALVE	BALL	1	Y	
4100	TANK FARM #1	V41184	VALVE	BALL	0.75	Y	
4100	TANK FARM #1	V41185	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41186	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41187	VALVE	BALL	0.75	Y	
4100	TANK FARM #1	V41188	VALVE	BALL	0.75	Y	
4100	TANK FARM #1	V41189	VALVE	SAFETY SO	3	Y	
4100	TANK FARM #1	V41190	VALVE	B/F	3	Y	
4100	TANK FARM #1	V41191	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41192	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41193	VALVE	BALL	1	Y	
4100	TANK FARM #1	V41194	VALVE	BALL	3	Y	
4100	TANK FARM #1	V41195	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41196	VALVE	BALL	2	Y	
4100	TANK FARM #1	V41197	VALVE	BALL	1	Y	
4100	TANK FARM #1	V41198	VALVE	BALL	0.5	Y	
4100	TANK FARM #1	V41199	VALVE	B/F	3	Y	
4100	TANK FARM #1	V41200	VALVE	BALL	3	Y	
4100	TANK FARM #1	V41201	VALVE	GLOBE, THREAD	0.5	Y	
4100	TANK FARM #1	V41202	VALVE	GATE, THREAD	0.75	Y	
4100	TANK FARM #1	V41203	VALVE	CHECK, THREAD	0.75	Y	
4100	TANK FARM #1	V41204	VALVE	GATE, THREAD	0.5	Y	
4100	TANK FARM #1	V41205	VALVE	B/F, WAF	8	Y	
4100	TANK FARM #1	V41206	VALVE	BALL, S.W.	0.5	Y	
4100	TANK FARM #1	V41207	VALVE	GLOBE, THREAD	1	Y	
4100	TANK FARM #1	V41208	VALVE	BALL, THREAD	1	Y	
4100	TANK FARM #1	V41209	VALVE	BALL, THREAD	1	Y	
4100	TANK FARM #1	V41210	VALVE	BALL, S.W.	0.5	Y	
4100	TANK FARM #1	V41211	VALVE	GLOBE, THREAD	0.5	Y	
4100	TANK FARM #1	V41212	VALVE	BALL, THREAD	0.5	Y	
4100	TANK FARM #1	V41213	VALVE	BALL, THREAD	0.5	Y	
4100	TANK FARM #1	V41214	VALVE	BALL, THREAD	0.5	Y	
4100	TANK FARM #1	V41215	VALVE	BALL, THREAD	0.5	Y	
4100	TANK FARM #1	V41216	VALVE	BALL, THREAD	0.5	Y	
4100	TANK FARM #1	V41217	VALVE	BALL, THREAD	0.5	Y	
4100	TANK FARM #1	V41218	VALVE	BALL, S.W.	2	Y	
4100	TANK FARM #1	V41219	VALVE	BALL, S.W.	1.5	Y	
4100	TANK FARM #1	V41220	VALVE	BALL, S.W.	1	Y	
4100	TANK FARM #1	V41221	VALVE	BALL, S.W.	1	Y	
4100	TANK FARM #1	V41222	VALVE	BALL, S.W.	1	Y	
4100	TANK FARM #1	V41223	VALVE	BALL, THREAD	0.5	Y	
4100	TANK FARM #1	V41224	VALVE	BALL, S.W.	1	Y	
4100	TANK FARM #1	V41225	VALVE	BALL, THREAD	1	Y	
4100	TANK FARM #1	V41226	VALVE	GLOBE, THREAD	1	Y	
4100	TANK FARM #1	V41227	VALVE	BALL, THREAD	0.5	Y	
4100	TANK FARM #1	V41228	VALVE	BALL, THREAD	1	Y	
4100	TANK FARM #1	V41229	VALVE	BALL, S.W.	1	Y	
4100	TANK FARM #1	V41230	VALVE	BALL, THREAD	0.5	Y	
4100	TANK FARM #1	V41231	VALVE	BALL, THREAD	0.5	Y	
4100	TANK FARM #1	V41232	VALVE	BALL, S.W.	1	Y	
4100	TANK FARM #1	V41233	VALVE	BALL, S.W.	1	Y	
4100	TANK FARM #1	V41234	VALVE	BALL, S.W.	1	Y	
4100	TANK FARM #1	V41235	VALVE	BALL, S.W.	1	Y	
4100	TANK FARM #1	V41236	VALVE	BALL, S.W.	1	Y	
4100	TANK FARM #1	V41237	VALVE	BALL, THREAD	1	Y	
4100	TANK FARM #1	V41238	VALVE	BALL, FLANGED	1	Y	
4100	TANK FARM #1	V41239	VALVE	BALL, THREAD	1	Y	
4100	TANK FARM #1	V41240	VALVE	BALL, THREAD	0.5	Y	
4100	TANK FARM #1	V41241	VALVE	BALL, THREAD	0.5	Y	
4100	TANK FARM #1	V41242	VALVE	BALL, THREAD	0.5	Y	
4100	TANK FARM #1	V41243	VALVE	BALL, S.W.	0.5	Y	
4100	TANK FARM #1	V41244	VALVE	BALL, FLANGED	1	Y	
4100	TANK FARM #1	V41245	VALVE	BALL, FLANGED	1	Y	

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4100	TANK FARM #1	V41246	VALVE	B/F, WAF	8	Y	
4100	TANK FARM #1	V41247	VALVE	BALL, FLANGED	1	Y	
4100	TANK FARM #1	V41248	VALVE	BALL, FLANGED	1	Y	
4100	TANK FARM #1	V41249	VALVE	BALL, FLANGED	1	Y	
4100	TANK FARM #1	V41250	VALVE	SIGHT GLASS	1	Y	
4100	TANK FARM #1	V41251	VALVE	SIGHT GLASS	1	Y	
4100	TANK FARM #1	V41252	VALVE	B/F, WAF	8	Y	
4100	TANK FARM #1	V41253	VALVE	BALL, S.W.	0.5	Y	
4100	TANK FARM #1	V41254	VALVE	BALL, S.W.	1	Y	
4100	TANK FARM #1	V41255	VALVE	BALL, S.W.	0.5	Y	
4100	TANK FARM #1	V41256	VALVE	BALL, THREAD	0.5	Y	
4100	TANK FARM #1	V41257	VALVE	BALL, FLANGED	4	Y	
4100	TANK FARM #1	V41258	VALVE	BALL, THREAD	1	Y	
4100	TANK FARM #1	V41259	VALVE	BALL, S.W.	1.5	Y	
4100	TANK FARM #1	V41260	VALVE	BALL, THREAD	0.5	Y	
4100	TANK FARM #1	V41261	VALVE	BALL, THREAD	0.5	Y	
4100	TANK FARM #1	V41262	VALVE	BALL, S.W.	0.5	Y	
4100	TANK FARM #1	V41263	VALVE	BALL, THREAD	0.5	Y	
4100	TANK FARM #1	V41264	VALVE	BALL, THREAD	1	Y	
4100	TANK FARM #1	V41265	VALVE	VALVE	0.5	Y	
4100	TANK FARM #1	V41266	VALVE	BALL, THREAD	1	Y	
4100	TANK FARM #1	V41268	VALVE	BALL VALVE	3	Y	
4100	TANK FARM #1	V41269	VALVE	BALL, THREAD	0	Y	
4100	TANK FARM #1	V41270	VALVE		1	Y	
4100	TANK FARM #1	V41271	VALVE	BALL, THREAD	1	Y	
4100	TANK FARM #1	V41272	VALVE	BALL, THREAD	1	Y	
4100	TANK FARM #1	V41273	VALVE	BALL, THREAD	1	Y	
4100	TANK FARM #1	V41274	VALVE	BALL, THREAD	1	Y	
4100	TANK FARM #1	V41275	VALVE	BALL, THREAD	1	Y	
4100	TANK FARM #1	V41276	VALVE	BALL, THREAD	1	Y	
4100	TANK FARM #1	V43004	VALVE	GATE	3	Y	
4100	TANK FARM #1	V46018	VALVE	BALL	0.25	Y	
4100	TANK FARM #1	TF41001	CAP ON PIPE RACK			Y	
4100	TANK FARM #1	TF41002	90 ELBOW			Y	
4100	TANK FARM #1	TF41003	WELDED COUPLING			Y	
4100	TANK FARM #1	TF41004	WELDED COUPLING			Y	
4100	TANK FARM #1	TF41005	90 ELBOW			Y	
4100	TANK FARM #1	TF41006	90 ELBOW			Y	
4100	TANK FARM #1	TF41007	UNION (PRIOR V41114)			Y	
4100	TANK FARM #1	TF41008	T CONNECTOR			Y	
4100	TANK FARM #1	TF41009	90 ELBOW			Y	
4100	TANK FARM #1	TF41010	WELDED COUPLING			Y	
4100	TANK FARM #1	TF41011	WELDED COUPLING			Y	
4100	TANK FARM #1	TF41012	90 ELBOW			Y	
4100	TANK FARM #1	TF41013	90 ELBOW			Y	
4100	TANK FARM #1	TF41014	UNION			Y	
4100	TANK FARM #1	TF41015	T CONNECTOR			Y	
4100	TANK FARM #1	TF41016	WELDED COUPLING			Y	
4100	TANK FARM #1	TF41017	90 ELBOW			Y	
4100	TANK FARM #1	TF41018	90 ELBOW			Y	
4100	TANK FARM #1	TF41019	UNION			Y	
4100	TANK FARM #1	TF41020	T CONNECTOR			Y	
4100	TANK FARM #1	TF41021	WELDED COUPLING			Y	
4100	TANK FARM #1	TF41022	90 ELBOW			Y	
4100	TANK FARM #1	TF41023	90 ELBOW			Y	
4100	TANK FARM #1	TF41024	UNION			Y	
4100	TANK FARM #1	TF41025	T CONNECTOR			Y	
4100	TANK FARM #1	TF41026	T INTO PIPE			Y	
4100	TANK FARM #1	TF41027	90 ELBOW			Y	
4100	TANK FARM #1	TF41028	WELDED COUPLING			Y	
4100	TANK FARM #1	TF41029	90 ELBOW			Y	
4100	TANK FARM #1	TF41030	90 ELBOW			Y	
4100	TANK FARM #1	TF41031	UNION			Y	
4100	TANK FARM #1	TF41032	90 ELBOW			Y	
4100	TANK FARM #1	TF41033	90 ELBOW			Y	
4100	TANK FARM #1	TF41034	COUPLING			Y	
4100	TANK FARM #1	TF41035	90 ELBOW			Y	
4100	TANK FARM #1	TF41036	COUPLING			Y	
4100	TANK FARM #1	TF41037	T INTO PRV 41003			Y	
4100	TANK FARM #1	TF41038	90 ELBOW (PRV 41003)			Y	
4100	TANK FARM #1	TF41039	90 ELBOW (PRV 41003)			Y	
4100	TANK FARM #1	TF41040	T CONNECTOR			Y	
4100	TANK FARM #1	TF41041	90 ELBOW			Y	
4100	TANK FARM #1	TF41042	T (PRV 41002)			Y	
4100	TANK FARM #1	TF41043	REDUCTION PRV 41002			Y	
4100	TANK FARM #1	TF41044	90 ELBOW (PRV 41002)			Y	
4100	TANK FARM #1	TF41045	T TO PUMP CONNECT	NEEDS OE,V TAGS		Y	
4100	TANK FARM #1	TF41046	T OR 4-WAY			Y	
4100	TANK FARM #1	TF41047	T (PRV 41004)			Y	

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4100	TANK FARM #1	TF41048	REDUCTION PRV 41004			Y	
4100	TANK FARM #1	TF41049	90 ELBOW (PRV 41004)			Y	
4100	TANK FARM #1	TF41050	90 ELBOW			Y	
4100	TANK FARM #1	TF41051	T PRV 41005			Y	
4100	TANK FARM #1	TF41052	REDUCTION PRV 41005			Y	
4100	TANK FARM #1	TF41053	90 ELBOW (PRV 41005)			Y	
4100	TANK FARM #1	TF41054	REDUCER			Y	
4100	TANK FARM #1	TF41055	T CONNECTOR			Y	
4100	TANK FARM #1	TF41056	STREET ELBOW			Y	
4100	TANK FARM #1	TF41057	REDUCER			Y	
4100	TANK FARM #1	TF41058	REDUCER			Y	
4100	TANK FARM #1	TF41059	T CONNECTOR			Y	
4100	TANK FARM #1	TF41060	UNION			Y	
4100	TANK FARM #1	TF41061	REDUCER			Y	
4100	TANK FARM #1	TF41062	T CONNECTOR			Y	
4100	TANK FARM #1	TF41063	UNION			Y	
4100	TANK FARM #1	TF41064	REDUCER			Y	
4100	TANK FARM #1	TF41065	T CONNECTOR			Y	
4100	TANK FARM #1	TF41066	UNION			Y	
4100	TANK FARM #1	TF41067	90 ELBOW			Y	
4100	TANK FARM #1	TF41068	UNION			Y	
4100	TANK FARM #1	TF41069	90 ELBOW			Y	
4100	TANK FARM #1	TF41070	REDUCER			Y	
4100	TANK FARM #1	TF41071	T CONNECTOR			Y	
4100	TANK FARM #1	TF41072	COUPLING			Y	
4100	TANK FARM #1	TF41073	90 ELBOW			Y	
4100	TANK FARM #1	TF41074	90 ELBOW			Y	
4100	TANK FARM #1	TF41075	90 ELBOW			Y	
4100	TANK FARM #1	TF41076	UNION			Y	
4100	TANK FARM #1	TF41077	90 ELBOW			Y	
4100	TANK FARM #1	TF41078	LARGER ELBOW			Y	
4100	TANK FARM #1	TF41079	REDUCER			Y	
4100	TANK FARM #1	TF41080	T CONNECTOR			Y	
4100	TANK FARM #1	TF41081	REDUCER ON T			Y	
4100	TANK FARM #1	TF41082	90 ELBOW			Y	
4100	TANK FARM #1	TF41083	90 ELBOW			Y	
4100	TANK FARM #1	TF41084	90 ELBOW			Y	
4100	TANK FARM #1	TF41085	T CONNECTOR			Y	
4100	TANK FARM #1	TF41086	TEMP GAUGE BEFORE HEAT EXCHANGER			Y	
4100	TANK FARM #1	TF41087	NIPPLE FITTING AFTER HEAT EXCHANGER			Y	
4100	TANK FARM #1	TF41088	PLUGS ON HEAT EXC.			Y	
4100	TANK FARM #1	TF41089	PLUGS ON HEAT EXC.			Y	
4100	TANK FARM #1	TF41090	PLUGS ON HEAT EXC.			Y	
4100	TANK FARM #1	TF41091	ELBOW ON HE DRAIN			Y	
4100	TANK FARM #1	TF41092	CAP ON HEAT EXC DRAIN			Y	
4100	TANK FARM #1	TF41093	90 ELBOW			Y	
4100	TANK FARM #1	TF41094	T CONNECTOR			Y	
4100	TANK FARM #1	TF41095	T CONNECTOR			Y	
4100	TANK FARM #1	TF41096	T CONNECTOR			Y	
4100	TANK FARM #1	TF41097	T CONNECTOR			Y	
4100	TANK FARM #1	TF41098	45 ELBOW			Y	
4100	TANK FARM #1	TF41099	45 ELBOW			Y	
4100	TANK FARM #1	TF41100	T CONNECTOR			Y	
4100	TANK FARM #1	TF41101	WELDED COUPLING			Y	
4100	TANK FARM #1	TF41102	45 ELBOW			Y	
4100	TANK FARM #1	TF41103	UNION			Y	
4100	TANK FARM #1	TF41104	45 ELBOW			Y	
4100	TANK FARM #1	TF41105	90 ELBOW			Y	
4100	TANK FARM #1	TF41106	REDUCER			Y	
4100	TANK FARM #1	TF41107	4-WAY			Y	
4100	TANK FARM #1	TF41108	REDUCER			Y	
4100	TANK FARM #1	TF41109	T CONNECTOR			Y	
4100	TANK FARM #1	TF41110	T CONNECTOR			Y	
4100	TANK FARM #1	TF41111	REDUCER			Y	
4100	TANK FARM #1	TF41112	REDUCER, PRESS TRANS.			Y	
4100	TANK FARM #1	TF41113	REDUCER			Y	
4100	TANK FARM #1	TF41114	T CONNECTOR			Y	
4100	TANK FARM #1	TF41115	T CONNECTOR			Y	
4100	TANK FARM #1	TF41116	90 ELBOW			Y	
4100	TANK FARM #1	TF41117	90 ELBOW			Y	
4100	TANK FARM #1	TF41118	CAP			Y	
4100	TANK FARM #1	TF41119	UNION			Y	
4100	TANK FARM #1	TF41120	45 COUPLING			Y	
4100	TANK FARM #1	TF41121	UNION			Y	
4100	TANK FARM #1	TF41122	90 ELBOW			Y	
4100	TANK FARM #1	TF41123	UNION			Y	
4100	TANK FARM #1	TF41124	90 ELBOW			Y	
4100	TANK FARM #1	TF41125	COUPLING			Y	

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4100	TANK FARM #1	TF41126	90 ELBOW			Y	
4100	TANK FARM #1	TF41127	45 ELBOW			Y	
4100	TANK FARM #1	TF41128	90 ELBOW			Y	
4100	TANK FARM #1	TF41129	REDUCER			Y	
4100	TANK FARM #1	TF41130	90 ELBOW			Y	
4100	TANK FARM #1	TF41131	90 ELBOW			Y	
4100	TANK FARM #1	TF41132	COUPLING			Y	
4100	TANK FARM #1	TF41133	4-WAY			Y	
4100	TANK FARM #1	TF41134	90 ELBOW			Y	
4100	TANK FARM #1	TF41135	UNION			Y	
4100	TANK FARM #1	TF41136	T CONNECTOR			Y	
4100	TANK FARM #1	TF41137	90 ELBOW ON DIKE WATER			Y	
4100	TANK FARM #1	TF41138	90 ELBOW ON DIKE WATER			Y	
4100	TANK FARM #1	TF41139	90 ELBOW			Y	
4100	TANK FARM #1	TF41140	UNION			Y	
4100	TANK FARM #1	TF41141	90 ELBOW			Y	
4100	TANK FARM #1	TF41142	4-WAY			Y	
4100	TANK FARM #1	TF41143	90 ELBOW			Y	
4100	TANK FARM #1	TF41144	COUPLING			Y	
4100	TANK FARM #1	TF41145	UNION			Y	
4100	TANK FARM #1	TF41146	T CONNECTOR			Y	
4100	TANK FARM #1	TF41147	UNION			Y	
4100	TANK FARM #1	TF41148	UNION PUMP AIRLINE			Y	
4100	TANK FARM #1	TF41149	T CONNECTOR			Y	
4100	TANK FARM #1	TF41150	90 ELBOW			Y	
4100	TANK FARM #1	TF41151	UNION			Y	
4100	TANK FARM #1	TF41152	90 ELBOW			Y	
4100	TANK FARM #1	TF41153	90 ELBOW			Y	
4100	TANK FARM #1	TF41154	90 ELBOW			Y	
4100	TANK FARM #1	TF41155	90 ELBOW			Y	
4100	TANK FARM #1	TF41156	UNION			Y	
4100	TANK FARM #1	TF41157	90 ELBOW			Y	
4100	TANK FARM #1	TF41158	REDUCER			Y	
4100	TANK FARM #1	TF41159	T CONNECTOR			Y	
4100	TANK FARM #1	TF41160	90 ELBOW			Y	
4100	TANK FARM #1	TF41161	45 ELBOW			Y	
4100	TANK FARM #1	TF41162	90 ELBOW			Y	
4100	TANK FARM #1	TF41163	T CONNECTOR			Y	
4100	TANK FARM #1	TF41164	90 ELBOW			Y	
4100	TANK FARM #1	TF41165	90 ELBOW			Y	
4100	TANK FARM #1	TF41166	T CONNECTOR			Y	
4100	TANK FARM #1	TF41167	90 ELBOW			Y	
4100	TANK FARM #1	TF41168	90 ELBOW			Y	
4100	TANK FARM #1	TF41169	90 ELBOW			Y	
4100	TANK FARM #1	TF41170	90 ELBOW			Y	
4100	TANK FARM #1	TF41171	COUPLING			Y	
4100	TANK FARM #1	TF41172	T CONNECTOR			Y	
4100	TANK FARM #1	TF41173	90 ELBOW			Y	
4100	TANK FARM #1	TF41174	90 ELBOW			Y	
4100	TANK FARM #1	TF41175	SCREW CAP			Y	
4100	TANK FARM #1	TF41176	90 ELBOW			Y	
4100	TANK FARM #1	TF41177	90 ELBOW			Y	
4100	TANK FARM #1	TF41178	COUPLING			Y	
4100	TANK FARM #1	TF41179	90 ELBOW			Y	
4100	TANK FARM #1	TF41180	90 ELBOW			Y	
4100	TANK FARM #1	TF41181	90 ELBOW			Y	
4100	TANK FARM #1	TF41182	90 ELBOW			Y	
4100	TANK FARM #1	TF41183	COUPLING			Y	
4100	TANK FARM #1	TF41184	90 ELBOW			Y	
4100	TANK FARM #1	TF41185	T CONNECTOR			Y	
4100	TANK FARM #1	TF41186	90 ELBOW			Y	
4100	TANK FARM #1	TF41187	COUPLING			Y	
4100	TANK FARM #1	TF41188	90 ELBOW			Y	
4100	TANK FARM #1	TF41189	COUPLING			Y	
4100	TANK FARM #1	TF41190	T CONNECTOR			Y	
4100	TANK FARM #1	TF41191	90 ELBOW			Y	
4100	TANK FARM #1	TF41192	90 ELBOW			Y	
4100	TANK FARM #1	TF41193	REDUCER			Y	
4100	TANK FARM #1	TF41194	COUPLING			Y	
4100	TANK FARM #1	TF41195	COUPLING			Y	
4100	TANK FARM #1	TF41196	T CONNECTOR			Y	
4100	TANK FARM #1	TF41197	PLUG			Y	
4100	TANK FARM #1	TF41198	PLUG			Y	
4100	TANK FARM #1	TF41199	PLUG			Y	
4100	TANK FARM #1	TF41200	PLUG			Y	
4100	TANK FARM #1	TF41201	PLUG			Y	
4100	TANK FARM #1	TF41202	COUPLING			Y	
4100	TANK FARM #1	TF41203	COUPLING			Y	

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4100	TANK FARM #1	TF41204	ELBOW				
4100	TANK FARM #1	TF41205	ELBOW				
4100	TANK FARM #1	TF41206	COUPLING				
4100	TANK FARM #1	TF41207	ELBOW				
4100	TANK FARM #1	TF41208	45 ELBOW				
4100	TANK FARM #1	TF41209	90 ELBOW				
4100	TANK FARM #1	TF41210	COUPLING				
4100	TANK FARM #1	TF41211	REDUCER				
4100	TANK FARM #1	TF41212	COUPLING (TANK 11)				
4100	TANK FARM #1	TF41213	COUPLING (TANK 12)				
4100	TANK FARM #1	TF41214	90 ELBOW				
4100	TANK FARM #1	TF41215	90 ELCOW				
4100	TANK FARM #1	TF41216	90 ELBOW				
4100	TANK FARM #1	TF41217	90 ELBOW				
4100	TANK FARM #1	TF41218	COUPLING				
4100	TANK FARM #1	TF41219	COUPLING				
4100	TANK FARM #1	TF41220	ELBOW				
4100	TANK FARM #1	TF41221	ELBOW				
4100	TANK FARM #1	TF41222	ELBOW				
4100	TANK FARM #1	TF41223	ELBOW				
4100	TANK FARM #1	TF41224	COUPLIN G				
4100	TANK FARM #1	TF41225	REDUCER				
4100	TANK FARM #1	TF41226	REDUCER (TANK 13)				
4100	TANK FARM #1	TF41227	90 ELBOW				
4100	TANK FARM #1	TF41228	COUPLING				
4100	TANK FARM #1	TF41229	45 ELBOW				
4100	TANK FARM #1	TF41230	45 ELBOW				
4100	TANK FARM #1	TF41231	T CONNECTOR				
4100	TANK FARM #1	TF41232	REDUCER (TANK 17)				
4100	TANK FARM #1	TF41233	PLUG (BOX T16)				
4100	TANK FARM #1	TF41234	PLUG (BOX T17)				
4100	TANK FARM #1	TF41235	PLUG (BOX T18)				
4100	TANK FARM #1	TF41236	PLUG (BOX T19)				
4100	TANK FARM #1	TF41237	90 ELBOW				
4100	TANK FARM #1	TF41238	90 ELBOW				
4100	TANK FARM #1	TF41239	90 ELBOW				
4100	TANK FARM #1	TF41240	90 ELBOW				
4100	TANK FARM #1	TF41241	90 ELBOW				
4100	TANK FARM #1	TF41242	COUPLING				
4100	TANK FARM #1	TF41243	90 ELBOW				
4100	TANK FARM #1	TF41244	90 ELBOW				
4100	TANK FARM #1	TF41245	COUPLING				
4100	TANK FARM #1	TF41246	90 ELBOW				
4100	TANK FARM #1	TF41247					
4100	TANK FARM #1	TF41248	90 ELBOW				
4100	TANK FARM #1	TF41249	90 ELBOW				
4100	TANK FARM #1	TF41250	COUPLING				
4100	TANK FARM #1	TF41251	T TO VALVE V41275				
4100	TANK FARM #1	TF41252	90 ELBOW TO V41275				
4100	TANK FARM #1	TF41253	T CONNECTOR				
4100	TANK FARM #1	TF41254	COUPLING				
4100	TANK FARM #1	TF41255	REDUCER TO WELDED COUPLING				
4100	TANK FARM #1	TF41256	90 ELBOW				
4100	TANK FARM #1	TF41257	90 ELBOW				
4100	TANK FARM #1	TF41258	90 ELBOW				
4100	TANK FARM #1	TF41259	REDUCER				
4100	TANK FARM #1	TF41260	COUPLING TO V41046				
4100	TANK FARM #1	TF41261	COUPLING TO V41045				
4100	TANK FARM #1	TF41262	COUPLING				
4100	TANK FARM #1	TF41263	90 ELBOW				
4100	TANK FARM #1	TF41264	90 ELBOW				
4100	TANK FARM #1	TF41265	90 ELBOW				
4100	TANK FARM #1	TF41266	90 ELBOW				
4100	TANK FARM #1	TF41267	90 ELBOW				
4100	TANK FARM #1	TF41268	T CONNECTOR				
4100	TANK FARM #1	TF41269	T CONNECTOR				
4100	TANK FARM #1	TF41270	REDUCER				
4100	TANK FARM #1	TF41271	90 ELBOW TO V41240				
4100	TANK FARM #1	TF41272	OE ON V41240				
4100	TANK FARM #1	TF41273	RECUDER V41245				
4100	TANK FARM #1	TF41274	COUPLING				
4100	TANK FARM #1	TF41275	90 ELBOW TO V41260				
4100	TANK FARM #1	TF41276	COUPLING				
4100	TANK FARM #1	TF41277	90 ELBOW				
4100	TANK FARM #1	TF41278	45 ELBOW				
4100	TANK FARM #1	TF41279	T CONNECTOR				
4100	TANK FARM #1	TF41280	90 ELBOW				
4100	TANK FARM #1	TF41281	90 ELBOW				
4100	TANK FARM #1	TF41282	COUPLING				

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4100	TANK FARM #1	TF41283	REDUCER TO V41269				
4100	TANK FARM #1	TF41284	COUPLING				
4100	TANK FARM #1	TF41285	90 ELBOW				
4100	TANK FARM #1	TF41286	90 ELBOW				
4100	TANK FARM #1	TF41287	90 ELBOW				
4100	TANK FARM #1	TF412TF	90 ELBOW				
4100	TANK FARM #1	TF41289	T CONNECTOR				
4100	TANK FARM #1	TF41290	90 ELBOW				
4100	TANK FARM #1	TF41291	COUPLING				
4100	TANK FARM #1	TF41292	90 ELBOW				
4100	TANK FARM #1	TF41293	90 ELBOW				
4100	TANK FARM #1	TF41294	90 ELBOW				
4100	TANK FARM #1	TF41295	90 ELBOW				
4100	TANK FARM #1	TF41296	T CONNECTOR				
4100	TANK FARM #1	TF41297	90 ELBOW				
4100	TANK FARM #1	TF41298	T CONNECTOR W/DEAD VLAVE				
4100	TANK FARM #1	TF41299	END CAP				
4100	TANK FARM #1	TF41300	90 ELBOW				
4100	TANK FARM #1	TF41301	COUPLING				
4100	TANK FARM #1	TF41302	90 ELBOW				
4100	TANK FARM #1	TF41303	T CONNECTOR W/END CAP				
4100	TANK FARM #1	TF41304	END CAP				
4100	TANK FARM #1	TF41305	90 ELBOW				
4100	TANK FARM #1	TF41306	90 ELBOW				
4100	TANK FARM #1	TF41307	COUPLING				
4100	TANK FARM #1	TF41308	90 ELBOW				
4100	TANK FARM #1	TF41309	90 ELBOW				
4100	TANK FARM #1	TF41310	T CONNECTOR				
4100	TANK FARM #1	TF41311	T CONNECTOR				
4100	TANK FARM #1	TF41312	REDUCER				
4100	TANK FARM #1	TF41313	90				
4100	TANK FARM #1	TF41314	THREADED BUNG				
4100	TANK FARM #1	TF41315	90				
4100	TANK FARM #1	TF41316	REDUCER				
4100	TANK FARM #1	TF41317	COUPLING				
4100	TANK FARM #1	TF41318	T				
4100	TANK FARM #1	TF41319	T				
4100	TANK FARM #1	TF41320	COUPLING				
4100	TANK FARM #1	TF41321	90				
4100	TANK FARM #1	TF41322	T				
4100	TANK FARM #1	TF41323	90				
4100	TANK FARM #1	TF41324	THREADED BUNG				
4100	TANK FARM #1	TF41325	THREADED BUNG				
4100	TANK FARM #1	TF41326	THREADED BUNG				
4100	TANK FARM #1	TF41327	COUPLING				
4100	TANK FARM #1	TF41328	90				
4100	TANK FARM #1	TF41329	90				
4100	TANK FARM #1	TF41330	THREADED BUNG				
4100	TANK FARM #1	TF41331	90				
4100	TANK FARM #1	TF41332	90				
4100	TANK FARM #1	TF41333	90				
4100	TANK FARM #1	TF41334	COUPLING				
4100	TANK FARM #1	TF41335	COUPLING				
4100	TANK FARM #1	TF41336	90				
4100	TANK FARM #1	TF41337	T				
4100	TANK FARM #1	TF41338	COUPLING				
4100	TANK FARM #1	TF41339	T TO TANK				
4100	TANK FARM #1	TF41340	90				
4100	TANK FARM #1	TF41341	90				
4100	TANK FARM #1	TF41342	COUPLING				
4100	TANK FARM #1	TF41343	90				
4100	TANK FARM #1	TF41344	90				
4100	TANK FARM #1	TF41345	THREADED BUNG				
4100	TANK FARM #1	TF41346	90				
4100	TANK FARM #1	TF41347	COUPLING				
4100	TANK FARM #1	TF41348	THREADED COUPLING				

Safety-Kleen Corp.

RECYCLE CENTER

Lexington, South Carolina RC #630

SCD 077995488

MONTHLY REPORT - EMISSION DETECTION MONITORING

Method of Compliance - Emission Detection and Repair

Date:

Area Number 4200

Area Name TANK FARM #2

Aim Gas Detector Serial #

Pump Serial #

Pre-test Cal By:

Inspected By:

Review By:

Total Organics Typically 60 - 100 % by Weight

Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4200	TANK FARM #2	P4200	PUMP		0		
4200	TANK FARM #2	P4201	PUMP		0		
4200	TANK FARM #2	P4202	PUMP		0		
4200	TANK FARM #2	P4203	PUMP		0		
4200	TANK FARM #2	P4204	PUMP		0		
4200	TANK FARM #2	P4205	PUMP		0		
4200	TANK FARM #2	P4206	PUMP		0		
4200	TANK FARM #2	P4207	PUMP		0		
4200	TANK FARM #2	P4208	PUMP		0		
4200	TANK FARM #2	P4209	PUMP		0		
4200	TANK FARM #2	PSV42001	PRESSURE SAFETY VALVE	SAFETY, THREAD			
4200	TANK FARM #2	PSV42002	PRESSURE SAFETY VALVE	SAFETY, THREAD			
4200	TANK FARM #2	PSV42003	PRESSURE SAFETY VALVE	SAFETY, THREAD			
4200	TANK FARM #2	PSV42004	PRESSURE SAFETY VALVE	SAFETY, THREAD			
4200	TANK FARM #2	PSV42005	PRESSURE SAFETY VALVE	SAFETY, THREAD			
4200	TANK FARM #2	PSV42006	PRESSURE SAFETY VALVE	SAFETY, THREAD			
4200	TANK FARM #2	PSV42007	PRESSURE SAFETY VALVE	SAFETY, THREAD			
4200	TANK FARM #2	PSV42008	PRESSURE SAFETY VALVE	SAFETY, THREAD			
4200	TANK FARM #2	PSV42009	PRESSURE SAFETY VALVE	SAFETY, THREAD			
4200	TANK FARM #2	PSV42010	PRESSURE SAFETY VALVE	SAFETY, THREAD			
4200	TANK FARM #2	PSV42011	PRESSURE SAFETY VALVE	SAFETY, THREAD			
4200	TANK FARM #2	PSV42012	PRESSURE SAFETY VALVE	SAFETY, THREAD			
4200	TANK FARM #2	V42001	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42002	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42003	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42004	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42005	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42006	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42007	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42008	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42009	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42010	VALVE	BALL, THREAD	1		
4200	TANK FARM #2	V42011	VALVE	BALL, THREAD	1		
4200	TANK FARM #2	V42012	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42013	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42014	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42015	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42016	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42017	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42018	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42019	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42020	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42021	VALVE	BALL, THREAD	0.75		
4200	TANK FARM #2	V42022	VALVE	BALL, THREAD	0.75		
4200	TANK FARM #2	V42023	VALVE	BALL, THREAD	1		
4200	TANK FARM #2	V42024	VALVE	BALL, THREAD	0.5		
4200	TANK FARM #2	V42025	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42026	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42027	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42028	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42029	VALVE	CHECK, THREAD	3		
4200	TANK FARM #2	V42030	VALVE	GATE, THREAD	3		
4200	TANK FARM #2	V42031	VALVE	CHECK, THREAD	3		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4200	TANK FARM #2	V42032	VALVE	GATE, THREAD	3		
4200	TANK FARM #2	V42033	VALVE	CHECK, THREAD	3		
4200	TANK FARM #2	V42034	VALVE	GATE, THREAD	3		
4200	TANK FARM #2	V42035	VALVE	CHECK, THREAD	3		
4200	TANK FARM #2	V42037	VALVE	CHECK, THREAD	3		
4200	TANK FARM #2	V42038	VALVE	GATE, THREAD	3		
4200	TANK FARM #2	V42039	VALVE	CHECK, THREAD	3		
4200	TANK FARM #2	V42040	VALVE	GATE, THREAD	3		
4200	TANK FARM #2	V42041	VALVE	CHECK, THREAD	3		
4200	TANK FARM #2	V42042	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42043	VALVE	BALL, THREAD	0.5		
4200	TANK FARM #2	V42044	VALVE	CHECK, THREAD	3		
4200	TANK FARM #2	V42045	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42046	VALVE	BALL, THREAD	0.5		
4200	TANK FARM #2	V42047	VALVE	CHECK, THREAD	3		
4200	TANK FARM #2	V42048	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42049	VALVE	BALL, THREAD	1		
4200	TANK FARM #2	V42050	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42051	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42052	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42053	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42054	VALVE	CHECK, FLANGED	3		
4200	TANK FARM #2	V42055	VALVE	BALL, THREAD	1		
4200	TANK FARM #2	V42056	VALVE	BALL, THREAD	1		
4200	TANK FARM #2	V42057	VALVE	BALL, THREAD	0.5		
4200	TANK FARM #2	V42058	VALVE	BALL, THREAD	1		
4200	TANK FARM #2	V42059	VALVE	BALL, THREAD	0.75		
4200	TANK FARM #2	V42060	VALVE	BALL, THREAD	0.75		
4200	TANK FARM #2	V42061	VALVE	BALL, THREAD	2		
4200	TANK FARM #2	V42062	VALVE	BALL, THREAD	0.75		
4200	TANK FARM #2	V42063	VALVE	BALL, THREAD	2		
4200	TANK FARM #2	V42064	VALVE	BALL, FLANGED	2		
4200	TANK FARM #2	V42065	VALVE	BALL, THREAD	1		
4200	TANK FARM #2	V42066	VALVE	BALL, THREAD	0.75		
4200	TANK FARM #2	V42067	VALVE	BALL, THREAD	0.75		
4200	TANK FARM #2	V42068	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42069	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42070	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42071	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42072	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42073	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42074	VALVE	BALL, THREAD	1		
4200	TANK FARM #2	V42075	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42076	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42077	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42078	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42079	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42080	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42081	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42082	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42083	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42084	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42085	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42086	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42087	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42088	VALVE	CHECK, THREAD	2		
4200	TANK FARM #2	V42089	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42090	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42091	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42092	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42093	VALVE	BALL, THREAD	0.75		
4200	TANK FARM #2	V42094	VALVE	BALL, THREAD	0.75		
4200	TANK FARM #2	V42095	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42096	VALVE	CHECK, S.W.	2		
4200	TANK FARM #2	V42097	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42098	VALVE	CHECK, S.W.	2		
4200	TANK FARM #2	V42099	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42100	VALVE	CHECK, S.W.	2		
4200	TANK FARM #2	V42101	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42102	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42103	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42104	VALVE	BALL, THREAD	1		
4200	TANK FARM #2	V42105	VALVE	BALL, THREAD	0.5		
4200	TANK FARM #2	V42106	VALVE	BALL, THREAD	1		
4200	TANK FARM #2	V42107	VALVE	BALL, THREAD	0.75		
4200	TANK FARM #2	V42108	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42109	VALVE	BALL, THREAD	0.5		
4200	TANK FARM #2	V42110	VALVE	BALL, THREAD	2		
4200	TANK FARM #2	V42111	VALVE	BALL, THREAD	0.5		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4200	TANK FARM #2	V42112	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42113	VALVE	CHECK, THREAD	2		
4200	TANK FARM #2	V42114	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42115	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42116	VALVE	CHECK, THREAD	2		
4200	TANK FARM #2	V42117	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42118	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42119	VALVE	CHECK, THREAD	2		
4200	TANK FARM #2	V42120	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42121	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42122	VALVE	CHECK, THREAD	2		
4200	TANK FARM #2	V42123	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42124	VALVE	BALL, S.W.	1		
4200	TANK FARM #2	V42125	VALVE	BALL, S.W.	1		
4200	TANK FARM #2	V42126	VALVE	BALL, THREAD	0.5		
4200	TANK FARM #2	V42127	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42128	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42129	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42130	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42131	VALVE	CHECK, FLANGED	6		
4200	TANK FARM #2	V42132	VALVE	BALL, FLANGED	6		
4200	TANK FARM #2	V42133	VALVE	BALL, FLANGED	2		
4200	TANK FARM #2	V42134	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42135	VALVE	CHECK, THREAD	3		
4200	TANK FARM #2	V42136	VALVE	GATE, FLANGED	3		
4200	TANK FARM #2	V42137	VALVE	BALL, THREAD	0.5		
4200	TANK FARM #2	V42138	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42139	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42140	VALVE	CHECK, FLANGED	3		
4200	TANK FARM #2	V42141	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42142	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42143	VALVE	BALL, THREAD	0.5		
4200	TANK FARM #2	V42144	VALVE	BALL, THREAD	0.5		
4200	TANK FARM #2	V42145	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42146	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42147	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42148	VALVE	CHECK, FLANGED	3		
4200	TANK FARM #2	V42149	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42150	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42151	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42152	VALVE	BALL, THREAD	2		
4200	TANK FARM #2	V42153	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42154	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42155	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42156	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42157	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42158	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42159	VALVE	BALL, THREAD	0.5		
4200	TANK FARM #2	V42160	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42161	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42162	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42163	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42164	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42165	VALVE	BALL, S.W.	0.5		
4200	TANK FARM #2	V42166	VALVE	BALL, S.W.	2		
4200	TANK FARM #2	V42167	VALVE	CHECK, THREAD	2		
4200	TANK FARM #2	V42168	VALVE	BALL, FLANGED	3		
4200	TANK FARM #2	V42169	VALVE	FLG. BALL	3		
4200	TANK FARM #2	V42170	VALVE	BALL, THREAD	1		

Safety-Kleen Corp.

RECYCLE CENTER

Lexington, South Carolina RC #630

SCD 077995488

MONTHLY REPORT - EMISSION DETECTION MONITORING

Method of Compliance - Emission Detection and Repair

Date:

Area Number 4300

Area Name TANK FARM #3A

Aim Gas Detector Serial #

Pump Serial #

Pre-test Cal By:

Inspected By:

Review By:

Total Organics Typically 60 - 100 % by Weight

Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4300	TANK FARM #3A	CV43006	VALVE	CONTROL, THREAD	2	N	
4300	TANK FARM #3A	43203	FLANGE				
4300	TANK FARM #3A	43204	REDUCER				
4300	TANK FARM #3A	43205	UNION				
4300	TANK FARM #3A	43206	COUPLING				
4300	TANK FARM #3A						
4300	TANK FARM #3A						
4300	TANK FARM #3A						
4300	TANK FARM #3A						
4300	TANK FARM #3A						
4300	TANK FARM #3A						
4300	TANK FARM #3A						
4300	TANK FARM #3A						
4300	TANK FARM #3A						
4300	TANK FARM #3A						
4300	TANK FARM #3A						
4300	TANK FARM #3A						
4300	TANK FARM #3A	F43001	FLANGE	150#RFSO	4	Y	
4300	TANK FARM #3A	F43002	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43003	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43004	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43005	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43006	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43007	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43008	FLANGE	150 #	1.5	Y	
4300	TANK FARM #3A	F43009	FLANGE	150#RFSO	4	Y	
4300	TANK FARM #3A	F43010	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43011	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43012	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43013	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43014	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43015	FLANGE	150#RF THRD	1.5	Y	
4300	TANK FARM #3A	F43016	FLANGE	150 #	3	Y	
4300	TANK FARM #3A	F43017	FLANGE	150#RFSO	2	Y	
4300	TANK FARM #3A	F43018	FLANGE	150#RFSO	2	Y	
4300	TANK FARM #3A	F43019	FLANGE	150#RFSO	4	Y	
4300	TANK FARM #3A	F43020	FLANGE	150#RFSO	4	Y	
4300	TANK FARM #3A	F43021	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43022	FLANGE	150#RFSO	2	Y	
4300	TANK FARM #3A	F43024	FLANGE	150#RFSO	1.5	Y	
4300	TANK FARM #3A	F43025	FLANGE	150#RFSO	1.5	Y	
4300	TANK FARM #3A	F43026	FLANGE	150#RFSO	1.5	Y	
4300	TANK FARM #3A	F43027	FLANGE	150#RFSO	1.5	Y	
4300	TANK FARM #3A	F43028	FLANGE	150#RFSO	4	Y	
4300	TANK FARM #3A	F43029	FLANGE	150#RFSO	1.5	Y	
4300	TANK FARM #3A	F43030	FLANGE	150#RF THR'D	1	Y	
4300	TANK FARM #3A	F43031	FLANGE	150#RFSO	1	Y	
4300	TANK FARM #3A	F43032	FLANGE	150#RFSO	2	Y	
4300	TANK FARM #3A	F43033	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43034	FLANGE	150#RFSO	4	Y	
4300	TANK FARM #3A	F43035	FLANGE	150#RFSO	2	Y	
4300	TANK FARM #3A	F43036	FLANGE	150#RFSO	2	Y	
4300	TANK FARM #3A	F43037	FLANGE	150#RFSO	4	Y	
4300	TANK FARM #3A	F43038	FLANGE	150#RFSO	4	Y	
4300	TANK FARM #3A	F43039	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43040	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43041	FLANGE	3"PS- -AA-N1	3	Y	
4300	TANK FARM #3A	F43042	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43043	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43044	FLANGE	150#RF BLIND	3	Y	

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4300	TANK FARM #3A	F43045	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43046	FLANGE	105#RFSO	3	Y	
4300	TANK FARM #3A	F43047	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43048	FLANGE	150#RF THREADED	4	Y	
4300	TANK FARM #3A	F43049	FLANGE	150#RFSO	4	Y	
4300	TANK FARM #3A	F43050	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43051	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43052	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43053	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43054	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43055	FLANGE	150#RF BLIND	3	Y	
4300	TANK FARM #3A	F43056	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	F43057	FLANGE	150#RFSO	3	Y	
4300	TANK FARM #3A	OE43001	OPEN END PIPELINE		0.5	Y	
4300	TANK FARM #3A	OE43002	OPEN END PIPELINE		0.5	Y	
4300	TANK FARM #3A	OE43003	OPEN END PIPELINE		0.25	Y	
4300	TANK FARM #3A	OE43004	OPEN END PIPELINE		0.5	Y	
4300	TANK FARM #3A	OE43005	OPEN END PIPELINE		0.5	Y	
4300	TANK FARM #3A	OE43006	OPEN END PIPELINE		0.5	Y	
4300	TANK FARM #3A	OE43007	OPEN END PIPELINE		0.5	Y	
4300	TANK FARM #3A	OE43008	OPEN END PIPELINE		1	Y	
4300	TANK FARM #3A	OE43009	OPEN END PIPELINE		0.5	Y	
4300	TANK FARM #3A	OE43010	OPEN END PIPELINE		2	Y	
4300	TANK FARM #3A	OE43011	OPEN END PIPELINE		0.5	Y	
4300	TANK FARM #3A	OE43012	OPEN END PIPELINE		0.5	Y	
4300	TANK FARM #3A	OE43013	OPEN END PIPELINE		0.5	Y	
4300	TANK FARM #3A	OE43014	OPEN END PIPELINE		0.5	Y	
4300	TANK FARM #3A	OE43015	OPEN END PIPELINE		0.5	Y	
4300	TANK FARM #3A	OE43016	OPEN END PIPELINE		0.5	Y	
4300	TANK FARM #3A	OE43017	OPEN END PIPELINE		1	Y	
4300	TANK FARM #3A	OE43018	OPEN END PIPELINE		1	Y	
4300	TANK FARM #3A	OE43019	OPEN END PIPELINE		1	Y	
4300	TANK FARM #3A	OE43020	OPEN END PIPELINE		0.75	Y	
4300	TANK FARM #3A	OE43021	OPEN END PIPELINE		0.5	Y	
4300	TANK FARM #3A	OE43022	OPEN END PIPELINE		0.75	Y	
4300	TANK FARM #3A	OE43023	OPEN END PIPELINE		0.5	Y	
4300	TANK FARM #3A	OE43024	OPEN END PIPELINE		0.5	Y	
4300	TANK FARM #3A	P4300	PUMP		0	Y	
4300	TANK FARM #3A	P4301	PUMP		0	Y	
4300	TANK FARM #3A	P4302	PUMP		0	Y	
4300	TANK FARM #3A	P4303	PUMP		0	Y	
4300	TANK FARM #3A	P4304	PUMP		0	Y	
4300	TANK FARM #3A	P4305	PUMP		0	Y	
4300	TANK FARM #3A	P4306	PUMP		0	Y	
4300	TANK FARM #3A	P4307	PUMP		0	Y	
4300	TANK FARM #3A	P4308	PUMP		0	Y	
4300	TANK FARM #3A	P4400	PUMP		0	N	
4300	TANK FARM #3A	PSV43001	PRESSURE SAFETY VALVE	SAFETY, THREAD		Y	
4300	TANK FARM #3A	V43001	VALVE	BALL	3	Y	
4300	TANK FARM #3A	V43002	VALVE	BALL	2	Y	
4300	TANK FARM #3A	V43003	VALVE	BALL	2	Y	
4300	TANK FARM #3A	V43005	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43006	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43007	VALVE	BALL	2	Y	
4300	TANK FARM #3A	V43008	VALVE	CHECK	2	Y	
4300	TANK FARM #3A	V43009	VALVE	SAFETY SHUT OFF	3	Y	
4300	TANK FARM #3A	V43010	VALVE	BALL	2	Y	
4300	TANK FARM #3A	V43011	VALVE	BALL	2	Y	
4300	TANK FARM #3A	V43012	VALVE	B/F	3	Y	
4300	TANK FARM #3A	V43013	VALVE	CHECK	2	Y	
4300	TANK FARM #3A	V43014	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43015	VALVE	BALL	2	Y	
4300	TANK FARM #3A	V43016	VALVE	B/F	3	Y	
4300	TANK FARM #3A	V43017	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43018	VALVE	BALL	1	Y	
4300	TANK FARM #3A	V43019	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43020	VALVE	BALL	0.75	Y	
4300	TANK FARM #3A	V43021	VALVE	BALL	0.75	Y	
4300	TANK FARM #3A	V43022	VALVE	BALL	1	Y	
4300	TANK FARM #3A	V43023	VALVE	BALL	1	Y	
4300	TANK FARM #3A	V43024	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43025	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43026	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43027	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43028	VALVE	SAFETY SHUT OFF	2	Y	
4300	TANK FARM #3A	V43029	VALVE	BALL	2	Y	
4300	TANK FARM #3A	V43030	VALVE	BALL	2	Y	
4300	TANK FARM #3A	V43031	VALVE	BALL	0.5	Y	

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4300	TANK FARM #3A	V43032	VALVE	BALL	2	Y	
4300	TANK FARM #3A	V43033	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43034	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43035	VALVE	BALL	1	Y	
4300	TANK FARM #3A	V43036	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43037	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43038	VALVE	BACK PRESSURE	0.5	Y	
4300	TANK FARM #3A	V43039	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43040	VALVE	BALLL	0.5	Y	
4300	TANK FARM #3A	V43041	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43042	VALVE	BALL	1.5	Y	
4300	TANK FARM #3A	V43043	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43044	VALVE	BALL	1.5	Y	
4300	TANK FARM #3A	V43045	VALVE	BALL	1.5	Y	
4300	TANK FARM #3A	V43046	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43047	VALVE	BALL	1.5	Y	
4300	TANK FARM #3A	V43048	VALVE	CHECK	2	Y	
4300	TANK FARM #3A	V43049	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43050	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43051	VALVE	BALL	1	Y	
4300	TANK FARM #3A	V43052	VALVE	BALL	2	Y	
4300	TANK FARM #3A	V43053	VALVE	BALL	2	Y	
4300	TANK FARM #3A	V43054	VALVE	BALL	2	Y	
4300	TANK FARM #3A	V43055	VALVE	BALL	2	Y	
4300	TANK FARM #3A	V43056	VALVE	BALL	2	Y	
4300	TANK FARM #3A	V43057	VALVE	GATE	4	Y	
4300	TANK FARM #3A	V43058	VALVE	BALL	0.75	Y	
4300	TANK FARM #3A	V43059	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43060	VALVE	BALL	0.75	Y	
4300	TANK FARM #3A	V43061	VALVE	GATE	3	Y	
4300	TANK FARM #3A	V43062	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43063	VALVE	BALL	0.5	Y	
4300	TANK FARM #3A	V43064	VALVE	GATE	3	Y	
4300	TANK FARM #3A	V43065	VALVE	SAFETY SHUT OFF	3	Y	
4300	TANK FARM #3A	V43066	VALVE	GATE	3	Y	
4300	TANK FARM #3A	V43067	VALVE	GATE	3	Y	
4300	TANK FARM #3A	V43068	VALVE	GATE	3	Y	
4300	TANK FARM #3A	V43069	VALVE	GATE, FLANGED	4	Y	
4300	TANK FARM #3A	V43070	VALVE	BALL, FLANGED	3	Y	
4300	TANK FARM #3A	V43071	VALVE	BALL, FLANGED	3	Y	
4300	TANK FARM #3A	V43072	VALVE	BALL, S.W.	1	Y	
4300	TANK FARM #3A	V43073	VALVE	BALL, S.W.	1.5	Y	
4300	TANK FARM #3A	V43074	VALVE	BALL, S.W.	1.5	Y	
4300	TANK FARM #3A	V43075	VALVE	BALL, S.W.	0.5	Y	
4300	TANK FARM #3A	V43076	VALVE	BALL, THREAD	0.75	Y	
4300	TANK FARM #3A	V43077	VALVE	BALL, THREAD	1	Y	
4300	TANK FARM #3A	V43078	VALVE	BALL, S.W.	1	Y	
4300	TANK FARM #3A	V43079	VALVE	CHECK, THREAD	1	Y	
4300	TANK FARM #3A	V43080	VALVE	BALL, THREAD	0.5	Y	
4300	TANK FARM #3A	V43081	VALVE	BALL, S.W.	1	Y	
4300	TANK FARM #3A	V43082	VALVE	BALL, S.W.	0.5	Y	
4300	TANK FARM #3A	V43083	VALVE	BALL, S.W.	0.5	Y	
4300	TANK FARM #3A	V43084	VALVE	BALL, S.W.	0.5	Y	
4300	TANK FARM #3A	V43089	VALVE	BALL, THREAD	0.5	Y	
4300	TANK FARM #3A	V43090	VALVE	BALL, THREAD	2	Y	
4300	TANK FARM #3A	V43091	VALVE	BALL, THREAD	1	Y	
4300	TANK FARM #3A	V43092	VALVE	BALL, THREAD	2	Y	
4300	TANK FARM #3A	V43093	VALVE	BALL, THREAD	0.5	Y	
4300	TANK FARM #3A	V43094	VALVE	BALL, THREAD	2	Y	
4300	TANK FARM #3A	V43095	VALVE	BALL, THREAD	0.75	Y	
4300	TANK FARM #3A	V43096	VALVE	BALL, THREAD	0.75	Y	
4300	TANK FARM #3A	V43097	VALVE	BALL, THREAD	1.5	Y	
4300	TANK FARM #3A	V43098	VALVE	BALL, THREAD	1	Y	
4300	TANK FARM #3A	TF43001	90 ELBOW				
4300	TANK FARM #3A	TF43002	REDUCER				
4300	TANK FARM #3A	TF43003	90 ELBOW				
4300	TANK FARM #3A	TF43004	COUPLING				
4300	TANK FARM #3A	TF43005	90 ELBOW				
4300	TANK FARM #3A	TF43006	90 ELBOW				
4300	TANK FARM #3A	TF43007	THREADED PIPE				
4300	TANK FARM #3A	TF43008	THREADED PIPE				
4300	TANK FARM #3A	TF43009	CAP PLUG				
4300	TANK FARM #3A	TF43010	COUPLING				
4300	TANK FARM #3A	TF43011	THREADED CAP				
4300	TANK FARM #3A	TF43012	COUPLING				
4300	TANK FARM #3A	TF43013	COUPLING				
4300	TANK FARM #3A	TF43014	90 ELBOW				
4300	TANK FARM #3A	TF43015	90 ELBOW				
4300	TANK FARM #3A	TF43016	90 ELBOW				

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4300	TANK FARM #3A	TF43017	90 ELBOW				
4300	TANK FARM #3A	TF43018	90 ELBOW				
4300	TANK FARM #3A	TF43019	COUPLING				
4300	TANK FARM #3A	TF43020	90 ELBOW				
4300	TANK FARM #3A	TF43021	COUPLING				
4300	TANK FARM #3A	TF43022	90 ELBOW				
4300	TANK FARM #3A	TF43023	90 ELBOW				
4300	TANK FARM #3A	TF43024	T CONNECTOR				
4300	TANK FARM #3A	TF43025	COUPLING				
4300	TANK FARM #3A	TF43026	REDUCER				
4300	TANK FARM #3A	TF43027	T CONNECTOR				
4300	TANK FARM #3A	TF43028	90 ELBOW				
4300	TANK FARM #3A	TF43029	PIPE INTO TK 4301				
4300	TANK FARM #3A	TF43030	COUPLING				
4300	TANK FARM #3A	TF43031	90 ELBOW				
4300	TANK FARM #3A	TF43032	REDUCER W/CAP				
4300	TANK FARM #3A	TF43033	90 ELBOW				
4300	TANK FARM #3A	TF43034	T CONNECTOR				
4300	TANK FARM #3A	TF43035	REDUCER				
4300	TANK FARM #3A	TF43036	90 ELBOW				
4300	TANK FARM #3A	TF43037	90 ELBOW				
4300	TANK FARM #3A	TF43038	90 ELBOW				
4300	TANK FARM #3A	TF43039	T CONNECTOR				
4300	TANK FARM #3A	TF43040	COUPLING				
4300	TANK FARM #3A	TF43041	90 ELBOW				
4300	TANK FARM #3A	TF43042	T CONNECTOR				
4300	TANK FARM #3A	TF43043	COUPLING				
4300	TANK FARM #3A	TF43044	T CONNECTOR				
4300	TANK FARM #3A	TF43045	END CAP				
4300	TANK FARM #3A	TF43046	90 ELBOW				
4300	TANK FARM #3A	TF43047	T CONNECTOR				
4300	TANK FARM #3A	TF43048	90 ELBOW				
4300	TANK FARM #3A	TF43049	90 ELBOW				
4300	TANK FARM #3A	TF43050	WELDED COUPLING				
4300	TANK FARM #3A	TF43051	T CONNECTOR				
4300	TANK FARM #3A	TF43052	T CONNECTOR				
4300	TANK FARM #3A	TF43053	REDUCER				
4300	TANK FARM #3A	TF43054	90 ELBOW				
4300	TANK FARM #3A	TF43055	90 ELBOW				
4300	TANK FARM #3A	TF43056	REDUCER				
4300	TANK FARM #3A	TF43057	REDUCER				
4300	TANK FARM #3A	TF43058	COUPLING				
4300	TANK FARM #3A	TF43059	COUPLING				
4300	TANK FARM #3A	TF43060	COUPLING				
4300	TANK FARM #3A	TF43061	90 ELBOW				
4300	TANK FARM #3A	TF43062	90 ELBOW				
4300	TANK FARM #3A	TF43063	90 ELBOW				
4300	TANK FARM #3A	TF43064	THREADED FITTING				
4300	TANK FARM #3A	TF43065	COUPLING				
4300	TANK FARM #3A	TF43066	COUPLING ON DEAD END				
4300	TANK FARM #3A	TF43067	T CONNECTOR				
4300	TANK FARM #3A	TF43068	90 ELBOW				
4300	TANK FARM #3A	TF43069	90 ELBOW				
4300	TANK FARM #3A	TF43070	90 ELBOW				
4300	TANK FARM #3A	TF43071	45 ELBOW				
4300	TANK FARM #3A	TF43072	90 ELBOW				
4300	TANK FARM #3A	TF43073	90 ELBOW				
4300	TANK FARM #3A	TF43074	COUPLING				
4300	TANK FARM #3A	TF43075	T CONNECTOR				
4300	TANK FARM #3A	TF43076	90 ELBOW				
4300	TANK FARM #3A	TF43077	REDUCER				
4300	TANK FARM #3A	TF43078	COUPLING				
4300	TANK FARM #3A	TF43079	UNION				
4300	TANK FARM #3A	TF43080	90 ELBOW				
4300	TANK FARM #3A	TF43081	90 ELBOW				
4300	TANK FARM #3A	TF43082	90 ELBOW				
4300	TANK FARM #3A	TF43083	90 ELBOW				
4300	TANK FARM #3A	TF43084	T CONNECTOR				
4300	TANK FARM #3A	TF43085	T CONNECTOR				
4300	TANK FARM #3A	TF43086	90 ELBOW				
4300	TANK FARM #3A	TF43087	COUPLING				
4300	TANK FARM #3A	TF430TF	90 ELBOW				
4300	TANK FARM #3A	TF43089	THREADED PIPE				
4300	TANK FARM #3A	TF43090	90 ELBOW				
4300	TANK FARM #3A	TF43091	90 ELBOW				
4300	TANK FARM #3A	TF43092	COUPLING				
4300	TANK FARM #3A	TF43093	90 ELBOW				
4300	TANK FARM #3A	TF43094	90 ELBOW				
4300	TANK FARM #3A	TF43095	90 ELBOW				

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4300	TANK FARM #3A	TF43096	90 ELBOW				
4300	TANK FARM #3A	TF43097	90 ELBOW				
4300	TANK FARM #3A	TF43098	45 ELBOW				
4300	TANK FARM #3A	TF43099	90 ELBOW				
4300	TANK FARM #3A	TF43100	90 ELBOW				
4300	TANK FARM #3A	TF43101	T CONNECTOR				
4300	TANK FARM #3A	TF43102	90 ELBOW				
4300	TANK FARM #3A	TF43103	90 ELBOW				
4300	TANK FARM #3A	TF43104	90 ELBOW				
4300	TANK FARM #3A	TF43105	90 ELBOW				
4300	TANK FARM #3A	TF43106	90 ELBOW				

Safety-Kleen Corp.

RECYCLE CENTER

Lexington, South Carolina RC #630

SCD 077995488

MONTHLY REPORT - EMISSION DETECTION MONITORING

Method of Compliance - Emission Detection and Repair

Date:

Area Number 4400

Area Name TANK FARM #3B

Aim Gas Detector Serial #

Pump Serial #

Pre-test Cal By:

Inspected By:

Review By:

Total Organics Typically 60 - 100 % by Weight

Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4400	TANK FARM #3B	F44001	FLANGE	150# RFSO	3		
4400	TANK FARM #3B	F44002	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44003	FLANGE	150# VALVE	3		
4400	TANK FARM #3B	F44004	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44005	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44006	FLANGE	150# RF THRD	3		
4400	TANK FARM #3B	F44007	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44008	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44009	FLANGE	150#RF THRD	3		
4400	TANK FARM #3B	F44010	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44011	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44012	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44013	FLANGE	150#RF BLIND	3		
4400	TANK FARM #3B	F44014	FLANGE	150#RF BLIND	3		
4400	TANK FARM #3B	F44015	FLANGE	150#RF BLIND	3		
4400	TANK FARM #3B	F44016	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44017	FLANGE	150#VALVE	3		
4400	TANK FARM #3B	F44018	FLANGE	150-#RFSO	3		
4400	TANK FARM #3B	F44019	FLANGE	150#RF THRD	3		
4400	TANK FARM #3B	F44020	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44021	FLANGE	150 #	3		
4400	TANK FARM #3B	F44022	FLANGE	150# RFSO	3		
4400	TANK FARM #3B	F44023	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44024	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44025	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44026	FLANGE	150 #	3		
4400	TANK FARM #3B	F44027	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44028	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44029	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44030	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44031	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44032	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44033	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44034	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44035	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44036	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44037	FLANGE	150# PUMP	3		
4400	TANK FARM #3B	F44038	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44039	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44040	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44041	FLANGE	150#RFSO	2		
4400	TANK FARM #3B	F44042	FLANGE	150#RFSO	2		
4400	TANK FARM #3B	F44043	FLANGE	150#RFSO	2		
4400	TANK FARM #3B	F44044	FLANGE	150 #	2		
4400	TANK FARM #3B	F44045	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44046	FLANGE	150 #	3		
4400	TANK FARM #3B	F44047	FLANGE	150 #	3		
4400	TANK FARM #3B	F44048	FLANGE	150# RFSO	4		
4400	TANK FARM #3B	F44049	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44050	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44051	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44052	FLANGE	125#FF THRD	3		
4400	TANK FARM #3B	F44053	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44054	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44055	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44056	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44057	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44058	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44059	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44060	FLANGE	150#RFSO	3		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4400	TANK FARM #3B	F44061	FLANGE	150#RFSO	2		
4400	TANK FARM #3B	F44062	FLANGE	150#RFSO	2		
4400	TANK FARM #3B	F44063	FLANGE	150#RFSO	2		
4400	TANK FARM #3B	F44064	FLANGE	150 #	2		
4400	TANK FARM #3B	F44065	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44066	FLANGE	150#RF THRD	3		
4400	TANK FARM #3B	F44067	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44068	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44069	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44070	FLANGE	150#RF THRD	3		
4400	TANK FARM #3B	F44071	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44072	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44073	FLANGE	150 #	3		
4400	TANK FARM #3B	F44074	FLANGE	150 #	3		
4400	TANK FARM #3B	F44075	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44076	FLANGE	150#RF W.N.	1.5		
4400	TANK FARM #3B	F44077	FLANGE	150#RFSO	1.5		
4400	TANK FARM #3B	F44078	FLANGE	150#RF W.N.	1		
4400	TANK FARM #3B	F44079	FLANGE	150#RF W.N.	1.5		
4400	TANK FARM #3B	F44080	FLANGE	150# RF W.N.	1.5		
4400	TANK FARM #3B	F44081	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44082	FLANGE	150#RF THRD	3		
4400	TANK FARM #3B	F44083	FLANGE	150#RF THRD	3		
4400	TANK FARM #3B	F44084	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44085	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44086	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44087	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44088	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44089	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44090	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44091	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44092	FLANGE	1509#RFSO	4		
4400	TANK FARM #3B	F44093	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44094	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44095	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44096	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44097	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44098	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44099	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44100	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44101	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44102	FLANGE	150#RF W.N.	4		
4400	TANK FARM #3B	F44103	FLANGE	150# RFSO	4		
4400	TANK FARM #3B	F44104	FLANGE	150#RF BLIND	4		
4400	TANK FARM #3B	F44105	FLANGE	150 #	4		
4400	TANK FARM #3B	F44106	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44107	FLANGE	150#RF W.N.	4		
4400	TANK FARM #3B	F44108	FLANGE	150# RFSO	3		
4400	TANK FARM #3B	F44109	FLANGE	1509#RFSO	2		
4400	TANK FARM #3B	F44110	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44111	FLANGE	150#RF W.N.	3		
4400	TANK FARM #3B	F44112	FLANGE	150# VALVE	3		
4400	TANK FARM #3B	F44113	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44114	FLANGE	150 #	2		
4400	TANK FARM #3B	F44115	FLANGE	150 #	2		
4400	TANK FARM #3B	F44116	FLANGE	150 #	2		
4400	TANK FARM #3B	F44117	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44118	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44119	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44120	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44121	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44122	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44123	FLANGE	150 #	2		
4400	TANK FARM #3B	F44124	FLANGE	150 #	3		
4400	TANK FARM #3B	F44125	FLANGE	150#RF THRD	2		
4400	TANK FARM #3B	F44126	FLANGE	150#RFSO	2		
4400	TANK FARM #3B	F44127	FLANGE	150#RFSO	2		
4400	TANK FARM #3B	F44128	FLANGE	150#RFSO	2		
4400	TANK FARM #3B	F44129	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44130	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44131	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44132	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44133	FLANGE	150"RFSO	3		
4400	TANK FARM #3B	F44134	FLANGE	150#RFSO	4		
4400	TANK FARM #3B	F44135	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44136	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44137	FLANGE	150#RF BLIND	2		
4400	TANK FARM #3B	F44138	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44139	FLANGE	150#RFSO	3		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4400	TANK FARM #3B	F44140	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44141	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44142	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44143	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44144	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44145	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44146	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44147	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44148	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44149	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44150	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44151	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44152	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44153	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44154	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44155	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44156	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44157	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	F44158	FLANGE	150#RFSO	3		
4400	TANK FARM #3B	OE44001	OPEN END PIPELINE		0.5		
4400	TANK FARM #3B	OE44002	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44003	OPEN END PIPELINE		2		
4400	TANK FARM #3B	OE44004	OPEN END PIPELINE		3		
4400	TANK FARM #3B	OE44005	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44006	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44007	OPEN END PIPELINE		0.5		
4400	TANK FARM #3B	OE44008	OPEN END PIPELINE		0.5		
4400	TANK FARM #3B	OE44009	OPEN END PIPELINE		1.5		
4400	TANK FARM #3B	OE44010	OPEN END PIPELINE		0.5		
4400	TANK FARM #3B	OE44011	OPEN END PIPELINE		0.5		
4400	TANK FARM #3B	OE44012	OPEN END PIPELINE		0.5		
4400	TANK FARM #3B	OE44013	OPEN END PIPELINE		0.5		
4400	TANK FARM #3B	OE44014	OPEN END PIPELINE		0.5		
4400	TANK FARM #3B	OE44015	OPEN END PIPELINE		0.75		
4400	TANK FARM #3B	OE44016	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44017	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44018	OPEN END PIPELINE		0.75		
4400	TANK FARM #3B	OE44019	OPEN END PIPELINE				
4400	TANK FARM #3B	OE44020	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44021	OPEN END PIPELINE		2		
4400	TANK FARM #3B	OE44022	OPEN END PIPELINE		2		
4400	TANK FARM #3B	OE44023	OPEN END PIPELINE		0.5		
4400	TANK FARM #3B	OE44024	OPEN END PIPELINE		0.5		
4400	TANK FARM #3B	OE44025	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44026	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44027	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44028	OPEN END PIPELINE		2		
4400	TANK FARM #3B	OE44029	OPEN END PIPELINE		2		
4400	TANK FARM #3B	OE44030	OPEN END PIPELINE		0.5		
4400	TANK FARM #3B	OE44031	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44032	OPEN END PIPELINE				
4400	TANK FARM #3B	OE44033	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44034	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44035	OPEN END PIPELINE		0.25		
4400	TANK FARM #3B	OE44036	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44037	OPEN END PIPELINE		0.25		
4400	TANK FARM #3B	OE44038	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44039	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE4404	OPEN END PIPELINE		3		
4400	TANK FARM #3B	OE44040	OPEN END PIPELINE		0.5		
4400	TANK FARM #3B	OE44041	OPEN END PIPELINE		2		
4400	TANK FARM #3B	OE44042	OPEN END PIPELINE		2		
4400	TANK FARM #3B	OE44043	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44044	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44045	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44046	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44047	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44048	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44049	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44050	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44051	OPEN END PIPELINE		0.5		
4400	TANK FARM #3B	OE44052	OPEN END PIPELINE		1		
4400	TANK FARM #3B	OE44053	OPEN END PIPELINE		1		
4400	TANK FARM #3B	P4401	PUMP		0		
4400	TANK FARM #3B	P4402	PUMP		0		
4400	TANK FARM #3B	P4403	PUMP		0		
4400	TANK FARM #3B	P4404	PUMP		0		
4400	TANK FARM #3B	P4405	PUMP		0		
4400	TANK FARM #3B	P4406	PUMP		0		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4400	TANK FARM #3B	PSV41018	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV41019	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44001	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44002	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44003	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44004	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44005	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44006	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44007	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44008	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44009	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44010	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44011	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44012	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44013	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44014	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44020	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44021	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44022	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44023	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	PSV44024	PRESSURE SAFETY VALVE	SPRING	0		
4400	TANK FARM #3B	V44001	VALVE	BALL	2		
4400	TANK FARM #3B	V44002	VALVE	BALL	3		
4400	TANK FARM #3B	V44003	VALVE	SAFETY SO	3		
4400	TANK FARM #3B	V44004	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44005	VALVE	BALL	3		
4400	TANK FARM #3B	V44006	VALVE	SAFETY SO	3		
4400	TANK FARM #3B	V44007	VALVE	SAFETY SO	3		
4400	TANK FARM #3B	V44008	VALVE	BALL	3		
4400	TANK FARM #3B	V44009	VALVE	BALL	3		
4400	TANK FARM #3B	V44010	VALVE	BALL	3		
4400	TANK FARM #3B	V44011	VALVE	BALL	2		
4400	TANK FARM #3B	V44012	VALVE	BALL	3		
4400	TANK FARM #3B	V44013	VALVE	BALL	3		
4400	TANK FARM #3B	V44014	VALVE	BALL	1		
4400	TANK FARM #3B	V44015	VALVE	BALL	2		
4400	TANK FARM #3B	V44016	VALVE	BALL	1		
4400	TANK FARM #3B	V44017	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44018	VALVE	BALL	1		
4400	TANK FARM #3B	V44019	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44020	VALVE	BALL	3		
4400	TANK FARM #3B	V44021	VALVE	B/F	3		
4400	TANK FARM #3B	V44022	VALVE	SAFETY SO	3		
4400	TANK FARM #3B	V44023	VALVE	BALL	1		
4400	TANK FARM #3B	V44024	VALVE	BALL	3		
4400	TANK FARM #3B	V44025	VALVE	BALL	3		
4400	TANK FARM #3B	V44026	VALVE	B/F	3		
4400	TANK FARM #3B	V44027	VALVE	SAFETY SO	3		
4400	TANK FARM #3B	V44028	VALVE	BALL	3		
4400	TANK FARM #3B	V44029	VALVE	BALL	1		
4400	TANK FARM #3B	V44030	VALVE	BALL	3		
4400	TANK FARM #3B	V44031	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44032	VALVE	BALL	1		
4400	TANK FARM #3B	V44033	VALVE	BALL	1.5		
4400	TANK FARM #3B	V44034	VALVE	SAFETY SO	1.5		
4400	TANK FARM #3B	V44035	VALVE	B/F	3		
4400	TANK FARM #3B	V44036	VALVE	SAFETY SO	3		
4400	TANK FARM #3B	V44037	VALVE	SAFETY SO	3		
4400	TANK FARM #3B	V44038	VALVE	B/F	3		
4400	TANK FARM #3B	V44039	VALVE	B/F	3		
4400	TANK FARM #3B	V44040	VALVE	SAFETY SO	3		
4400	TANK FARM #3B	V44041	VALVE	BALL	1.5		
4400	TANK FARM #3B	V44042	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44043	VALVE	BALL	2		
4400	TANK FARM #3B	V44044	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44045	VALVE	BALL	0.5		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4400	TANK FARM #3B	V44046	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44047	VALVE	CHECK	1.5		
4400	TANK FARM #3B	V44048	VALVE	BALL	1.5		
4400	TANK FARM #3B	V44049	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44050	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44051	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44052	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44053	VALVE	CHECK	1.5		
4400	TANK FARM #3B	V44054	VALVE	BALL	1.5		
4400	TANK FARM #3B	V44055	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44056	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44057	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44058	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44059	VALVE	BALL	3		
4400	TANK FARM #3B	V44060	VALVE	CHECK	3		
4400	TANK FARM #3B	V44061	VALVE	BALL	0.75		
4400	TANK FARM #3B	V44062	VALVE	BALL	2		
4400	TANK FARM #3B	V44063	VALVE	BALL	2		
4400	TANK FARM #3B	V44064	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44065	VALVE	BALL	2		
4400	TANK FARM #3B	V44066	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44067	VALVE	BALL	1		
4400	TANK FARM #3B	V44068	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44069	VALVE	BALL	3		
4400	TANK FARM #3B	V44070	VALVE	BALL	1		
4400	TANK FARM #3B	V44071	VALVE	CHECK	3		
4400	TANK FARM #3B	V44072	VALVE	BALL	0.75		
4400	TANK FARM #3B	V44073	VALVE	BALL	4		
4400	TANK FARM #3B	V44074	VALVE	BALL	4		
4400	TANK FARM #3B	V44075	VALVE	BALL	1		
4400	TANK FARM #3B	V44076	VALVE	BALL	2		
4400	TANK FARM #3B	V44077	VALVE	BALL	2		
4400	TANK FARM #3B	V44078	VALVE	BALL	4		
4400	TANK FARM #3B	V44079	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44080	VALVE	BALL	4		
4400	TANK FARM #3B	V44081	VALVE	BALL	3		
4400	TANK FARM #3B	V44082	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44083	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44084	VALVE	BALL	1		
4400	TANK FARM #3B	V44085	VALVE	BALL	1		
4400	TANK FARM #3B	V44086	VALVE	BALL	4		
4400	TANK FARM #3B	V44087	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44088	VALVE	BALL	4		
4400	TANK FARM #3B	V44089	VALVE	BALL	4		
4400	TANK FARM #3B	V44090	VALVE	BALL	4		
4400	TANK FARM #3B	V44091	VALVE	BALL	4		
4400	TANK FARM #3B	V44092	VALVE	BALL	2		
4400	TANK FARM #3B	V44093	VALVE	BALL	4		
4400	TANK FARM #3B	V44094	VALVE	BALL	3		
4400	TANK FARM #3B	V44095	VALVE	BALL	3		
4400	TANK FARM #3B	V44096	VALVE	BALL	3		
4400	TANK FARM #3B	V44097	VALVE	BALL	3		
4400	TANK FARM #3B	V44098	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44099	VALVE	BALL	2		
4400	TANK FARM #3B	V44101	VALVE	BALL	2		
4400	TANK FARM #3B	V44102	VALVE	CHECK	2		
4400	TANK FARM #3B	V44103	VALVE	BALL	1		
4400	TANK FARM #3B	V44104	VALVE	BALL	2		
4400	TANK FARM #3B	V44105	VALVE	BALL	2		
4400	TANK FARM #3B	V44106	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44107	VALVE	BALL	1		
4400	TANK FARM #3B	V44108	VALVE	BALL	1		
4400	TANK FARM #3B	V44109	VALVE	BALL	1		
4400	TANK FARM #3B	V44110	VALVE	BALL	1		
4400	TANK FARM #3B	V44111	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44112	VALVE	BALL	1		
4400	TANK FARM #3B	V44113	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44114	VALVE	BALL	0.75		
4400	TANK FARM #3B	V44115	VALVE	BALL	1		
4400	TANK FARM #3B	V44116	VALVE	BALL	1		
4400	TANK FARM #3B	V44117	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44118	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44119	VALVE	B/F	3		
4400	TANK FARM #3B	V44120	VALVE	SAFETY SHUT OFF	3		
4400	TANK FARM #3B	V44121	VALVE	B/F	3		
4400	TANK FARM #3B	V44122	VALVE	SAFETY SHUT OFF	3		
4400	TANK FARM #3B	V44123	VALVE	BALL	1		
4400	TANK FARM #3B	V44124	VALVE	BALL	1		
4400	TANK FARM #3B	V44125	VALVE	BALL	1		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4400	TANK FARM #3B	V44126	VALVE	BALL	1		
4400	TANK FARM #3B	V44127	VALVE	BALL	1		
4400	TANK FARM #3B	V44128	VALVE	BALL	1		
4400	TANK FARM #3B	V44129	VALVE	BALL	1		
4400	TANK FARM #3B	V44130	VALVE	BALL	1		
4400	TANK FARM #3B	V44131	VALVE	B/F	3		
4400	TANK FARM #3B	V44132	VALVE	SAFETY SHUT OFF	3		
4400	TANK FARM #3B	V44133	VALVE	B/F	3		
4400	TANK FARM #3B	V44134	VALVE	SAFETY SHUT OFF	3		
4400	TANK FARM #3B	V44135	VALVE	BALL	0.5		
4400	TANK FARM #3B	V44136	VALVE	BALL	1		
4400	TANK FARM #3B	V44137	VALVE	BALL	1		
4400	TANK FARM #3B	V44138	VALVE	BALL, THREAD	1		
4400	TANK FARM #3B	V44139	VALVE	BALL, FLANGED	3		
4400	TANK FARM #3B	V44140	VALVE	BALL, THREAD	0.75		
4400	TANK FARM #3B	V44141	VALVE	BALL, THREAD	2		
4400	TANK FARM #3B	V44142	VALVE	BALL, FLANGED	3		
4400	TANK FARM #3B	V44143	VALVE	BALL, FLANGED	3		
4400	TANK FARM #3B	V44144	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44145	VALVE	BALL, FLANGED	3		
4400	TANK FARM #3B	V44146	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44147	VALVE	BALL, FLANGED	3		
4400	TANK FARM #3B	V44148	VALVE	BALL, FLANGED	3		
4400	TANK FARM #3B	V44149	VALVE	BALL, THREAD	2		
4400	TANK FARM #3B	V44150	VALVE	CHECK, THREAD	2		
4400	TANK FARM #3B	V44151	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44152	VALVE	BALL, THREAD	1.5		
4400	TANK FARM #3B	V44153	VALVE	CHECK, THREAD	1.5		
4400	TANK FARM #3B	V44154	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44155	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44156	VALVE	GLOBE, THREAD	1		
4400	TANK FARM #3B	V44157	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44158	VALVE	BALL, THREAD	1		
4400	TANK FARM #3B	V44159	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44160	VALVE	BALL, THREAD	0.75		
4400	TANK FARM #3B	V44161	VALVE	BALL, FLANGED	3		
4400	TANK FARM #3B	V44162	VALVE	BALL, THREAD	1		
4400	TANK FARM #3B	V44163	VALVE	BALL, FLANGED	2		
4400	TANK FARM #3B	V44164	VALVE	BALL, THREAD	0.75		
4400	TANK FARM #3B	V44165	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44166	VALVE	BALL, FLANGED	3		
4400	TANK FARM #3B	V44167	VALVE	BALL, FLANGED	3		
4400	TANK FARM #3B	V44168	VALVE	BALL, THREAD	2		
4400	TANK FARM #3B	V44169	VALVE	BALL, FLANGED	3		
4400	TANK FARM #3B	V44170	VALVE	B/F, WAF	3		
4400	TANK FARM #3B	V44171	VALVE	CHECK, THREAD	2		
4400	TANK FARM #3B	V44172	VALVE	B/F, WAF	3		
4400	TANK FARM #3B	V44173	VALVE	CHECK, THREAD	3		
4400	TANK FARM #3B	V44174	VALVE	B/F, WAF	3		
4400	TANK FARM #3B	V44175	VALVE	CHECK, THREAD	3		
4400	TANK FARM #3B	V44176	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44177	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44178	VALVE	B/F, WAF	3		
4400	TANK FARM #3B	V44179	VALVE	CHECK, THREAD	3		
4400	TANK FARM #3B	V44180	VALVE	BALL, THREAD	1.5		
4400	TANK FARM #3B	V44181	VALVE	BALL, THREAD	1.5		
4400	TANK FARM #3B	V44182	VALVE	BALL, THREAD	1.5		
4400	TANK FARM #3B	V44183	VALVE	BALL, THREAD	1		
4400	TANK FARM #3B	V44184	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44185	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44186	VALVE	BALL, THREAD	1.5		
4400	TANK FARM #3B	V44187	VALVE	BALL, FLANGED	3		
4400	TANK FARM #3B	V44188	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44189	VALVE	B/F, WAF	3		
4400	TANK FARM #3B	V44190	VALVE	CHECK, THREAD	3		
4400	TANK FARM #3B	V44191	VALVE	B/F, WAF	3		
4400	TANK FARM #3B	V44192	VALVE	CHECK, THREAD	3		
4400	TANK FARM #3B	V44193	VALVE	CHECK, THREAD	2		
4400	TANK FARM #3B	V44194	VALVE	BALL, THREAD	2		
4400	TANK FARM #3B	V44195	VALVE	GLOBE, THREAD	1.5		
4400	TANK FARM #3B	V44196	VALVE	CHECK, THREAD	1.5		
4400	TANK FARM #3B	V44197	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44198	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44199	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44200	VALVE	CHECK, THREAD	3		
4400	TANK FARM #3B	V44201	VALVE	B/F, WAF	3		
4400	TANK FARM #3B	V44202	VALVE	B/F, WAF	3		
4400	TANK FARM #3B	V44203	VALVE	CHECK, THREAD	3		
4400	TANK FARM #3B	V44204	VALVE	BALL, FLANGED	3		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4400	TANK FARM #3B	V44205	VALVE	CHECK, FLANGED	3		
4400	TANK FARM #3B	V44206	VALVE	BALL, S.W.	1.5		
4400	TANK FARM #3B	V44207	VALVE	CHECK, THREAD	1.5		
4400	TANK FARM #3B	V44208	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44209	VALVE	BALL, S.W.	1.5		
4400	TANK FARM #3B	V44210	VALVE	CHECK, THREAD	1.5		
4400	TANK FARM #3B	V44211	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44212	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44213	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44214	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44215	VALVE	BALL, S.W.	1.5		
4400	TANK FARM #3B	V44216	VALVE	CHECK, S.W.	1.5		
4400	TANK FARM #3B	V44217	VALVE	BALL, S.W.	1.5		
4400	TANK FARM #3B	V44218	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44219	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44220	VALVE	BALL, THREAD	1		
4400	TANK FARM #3B	V44221	VALVE	B/F, WAF	3		
4400	TANK FARM #3B	V44222	VALVE	BALL, THREAD	0.5		
4400	TANK FARM #3B	V44223	VALVE	CHECK, THREAD	1.5		
4400	TANK FARM #3B	V44224	VALVE	BALL, THREAD	1.5		
4400	TANK FARM #3B	V44225	VALVE	B/F, WAF	3		
4400	TANK FARM #3B	V44226	VALVE	CHECK, FLANGED	3		
4400	TANK FARM #3B	V44227	VALVE	B/F, WAF	3		
4400	TANK FARM #3B	V44228	VALVE	BALL, FLANGED	3		
4400	TANK FARM #3B	V44229	VALVE	BALL, THREAD	1		
4400	TANK FARM #3B	V44230	VALVE	CHECK, THREAD	2		
4400	TANK FARM #3B	V44231	VALVE	BALL, S.W.	2		
4400	TANK FARM #3B	V44232	VALVE	BALL, S.W.	2		
4400	TANK FARM #3B	V44233	VALVE	BALL, S.W.	1.5		
4400	TANK FARM #3B	V44234	VALVE	CHECK, THREAD	1.5		
4400	TANK FARM #3B	V44235	VALVE	BALL, S.W.	2		
4400	TANK FARM #3B	V44236	VALVE	CHECK, THREAD	2		
4400	TANK FARM #3B	V44237	VALVE	BALL, THREAD	1		
4400	TANK FARM #3B	V44238	VALVE	BALL, THREAD	1		
4400	TANK FARM #3B	V44239	VALVE	GLOBE, THREAD	1		
4400	TANK FARM #3B	V44240	VALVE	BALL, S.W.	0.5		
4400	TANK FARM #3B	V44241	VALVE	BALL, S.W.	0.5		
4400	TANK FARM #3B	V44242	VALVE	BALL, THREAD	1		
4400	TANK FARM #3B	V44243	VALVE	BALL, S.W.	0.5		
4400	TANK FARM #3B	V44244	VALVE	BALL, S.W.	1		
4400	TANK FARM #3B	V44245	VALVE	BALL, S.W.	0.5		
4400	TANK FARM #3B	V44246	VALVE	BALL, S.W.	1		
4400	TANK FARM #3B	V44247	VALVE	BALL, S.W.	0.5		
4400	TANK FARM #3B	V44248	VALVE	BALL, S.W.	0.5		
4400	TANK FARM #3B	V44249	VALVE	BALL, S.W.	0.5		
4400	TANK FARM #3B	V44250	VALVE	BALL, S.W.	0.5		
4400	TANK FARM #3B	V44251	VALVE	BALL, S.W.	1.5		
4400	TANK FARM #3B	V44252	VALVE	BALL, THREAD	1		
4400	TANK FARM #3B	V44253	VALVE	BALL, THREAD	1		
4400	TANK FARM #3B	V44254	VALVE	BALL, THREAD	1		
4400	TANK FARM #3B	TF44001	COUPLING				
4400	TANK FARM #3B	TF44002	90 ELBOW				
4400	TANK FARM #3B	TF44003	T CONNECTOR				
4400	TANK FARM #3B	TF44004	90 ELBOW				
4400	TANK FARM #3B	TF44005	T CONNECTOR				
4400	TANK FARM #3B	TF44006	90 ELBOW				
4400	TANK FARM #3B	TF44007	90 ELBOW				
4400	TANK FARM #3B	TF44008	90 ELBOW				
4400	TANK FARM #3B	TF44009	COUPLING				
4400	TANK FARM #3B	TF44010	COUPLING				
4400	TANK FARM #3B	TF44011	T CONNECTOR				
4400	TANK FARM #3B	TF44012	COUPLING				
4400	TANK FARM #3B	TF44013	90 ELBOW				
4400	TANK FARM #3B	TF44014	90 ELBOW				
4400	TANK FARM #3B	TF44015	T CONNECTOR				
4400	TANK FARM #3B	TF44016	COUPLING				
4400	TANK FARM #3B	TF44017	90 ELBOW				
4400	TANK FARM #3B	TF44018	T CONNECTOR				
4400	TANK FARM #3B	TF44019	T CONNECTOR				
4400	TANK FARM #3B	TF44020	90 ELBOW				
4400	TANK FARM #3B	TF44021	90 ELBOW				
4400	TANK FARM #3B	TF44022	COUPLING				
4400	TANK FARM #3B	TF44023	90 ELBOW				
4400	TANK FARM #3B	TF44024	T CONNECTOR				
4400	TANK FARM #3B	TF44025	T CONNECTOR				
4400	TANK FARM #3B	TF44026	T CONNECTOR				
4400	TANK FARM #3B	TF44027	X COUPLING				
4400	TANK FARM #3B	TF44028	90 ELBOW				
4400	TANK FARM #3B	TF44029	T CONNECTOR				

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4400	TANK FARM #3B	TF44030	90 ELBOW				
4400	TANK FARM #3B	TF44031	COUPLING				
4400	TANK FARM #3B	TF44032	T COUPLING				
4400	TANK FARM #3B	TF44033	T COUPLING				
4400	TANK FARM #3B	TF44034	T COUPLING				
4400	TANK FARM #3B	TF44035	90 ELBOW				
4400	TANK FARM #3B	TF44036	90 ELBOW				
4400	TANK FARM #3B	TF44037	REDUCER				
4400	TANK FARM #3B	TF44038	COUPLING				
4400	TANK FARM #3B	TF44039	T CONNECTOR				
4400	TANK FARM #3B	TF44040	COUPLING				
4400	TANK FARM #3B	TF44041	90 ELBOW				
4400	TANK FARM #3B	TF44042	90 ELBOW				
4400	TANK FARM #3B	TF44043	T CONNECTOR				
4400	TANK FARM #3B	TF44044	COUPLING				
4400	TANK FARM #3B	TF44045	T CONNECTOR				
4400	TANK FARM #3B	TF44046	T CONNECTOR				
4400	TANK FARM #3B	TF44047	T CONNECTOR				
4400	TANK FARM #3B	TF44048	COUPLING				
4400	TANK FARM #3B	TF44049	90 ELBOW				
4400	TANK FARM #3B	TF44050	90 ELBOW				
4400	TANK FARM #3B	TF44051	COUPLING				
4400	TANK FARM #3B	TF44052	90 ELBOW				
4400	TANK FARM #3B	TF44053	90 ELBOW				
4400	TANK FARM #3B	TF44054	90 ELBOW				
4400	TANK FARM #3B	TF44055	T CONNECTOR				
4400	TANK FARM #3B	TF44056	COUPLING				
4400	TANK FARM #3B	TF44057	90 ELBOW				
4400	TANK FARM #3B	TF44058	COUPLING				
4400	TANK FARM #3B	TF44059	T CONNECTOR				
4400	TANK FARM #3B	TF44060	COUPLING				
4400	TANK FARM #3B	TF44061	90 ELBOW				
4400	TANK FARM #3B	TF44062	90 ELBOW				
4400	TANK FARM #3B	TF44063	THREADED COUPLING				
4400	TANK FARM #3B	TF44064	REDUCER				
4400	TANK FARM #3B	TF44065	T W/END CAP				
4400	TANK FARM #3B	TF44066	COUPLING				
4400	TANK FARM #3B	TF44067	T W/END CAP				
4400	TANK FARM #3B	TF44068	COUPLING				
4400	TANK FARM #3B	TF44069	T CONNECTOR				
4400	TANK FARM #3B	TF44070	T W/END CAP				
4400	TANK FARM #3B	TF44071	90 ELBOW				
4400	TANK FARM #3B	TF44072	COUPLING				
4400	TANK FARM #3B	TF44073	REDUCER				
4400	TANK FARM #3B	TF44074	90 ELBOW				
4400	TANK FARM #3B	TF44075	T CONNECTOR				
4400	TANK FARM #3B	TF44076	THREADED COUPLING				
4400	TANK FARM #3B	TF44077	COUPLING				
4400	TANK FARM #3B	TF44078	BUNG CAP				
4400	TANK FARM #3B	TF44079	THREADED COUPLING				
4400	TANK FARM #3B	TF44080	THREADED COUPLING				
4400	TANK FARM #3B	TF44081	90 ELBOW				
4400	TANK FARM #3B	TF44082	REDUCER				
4400	TANK FARM #3B	TF44083	90 ELBOW				
4400	TANK FARM #3B	TF44084	90 ELBOW				
4400	TANK FARM #3B	TF44085	THREADED COUPLING				
4400	TANK FARM #3B	TF44086	90 ELBOW				
4400	TANK FARM #3B	TF44087	THREADED COUPLING				
4400	TANK FARM #3B	TF44088	T CONNECTOR				
4400	TANK FARM #3B	TF44089	90 ELBOW				
4400	TANK FARM #3B	TF44090	90 ELBOW				
4400	TANK FARM #3B	TF44091	90 ELBOW				
4400	TANK FARM #3B	TF44092	90 ELBOW				
4400	TANK FARM #3B	TF44093	90 ELBOW				
4400	TANK FARM #3B	TF44094	45 ELBOW				
4400	TANK FARM #3B	TF44095	THREADED COUPLING				
4400	TANK FARM #3B	TF44096	T CONNECTOR				
4400	TANK FARM #3B	TF44097	REDUCER				
4400	TANK FARM #3B	TF44098	REDUCER				
4400	TANK FARM #3B	TF44099	T CONNECTOR				
4400	TANK FARM #3B	TF44100	90 ELBOW				
4400	TANK FARM #3B	TF44101	THREADED COUPLING				
4400	TANK FARM #3B	TF44102	THREADED COUPLING				
4400	TANK FARM #3B	TF44103	THREADED COUPLING				
4400	TANK FARM #3B	TF44104	THREADED COUPLING				
4400	TANK FARM #3B	TF44105	THREADED COUPLING				
4400	TANK FARM #3B	TF44106	THREADED COUPLING				
4400	TANK FARM #3B	TF44107	COUPLING				
4400	TANK FARM #3B	TF44108	90 ELBOW				

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4400	TANK FARM #3B	TF44109	90 ELBOW				
4400	TANK FARM #3B	TF44110	90 ELBOW				
4400	TANK FARM #3B	TF44111	THREADED COUPLING				
4400	TANK FARM #3B	TF44112	THREADED COUPLING				
4400	TANK FARM #3B	TF44113	THREADED COUPLING				
4400	TANK FARM #3B	TF44114	THREADED COUPLING				
4400	TANK FARM #3B	TF44115	THREADED COUPLING				
4400	TANK FARM #3B	TF44116	CAP				
4400	TANK FARM #3B	TF44117	THREADED COUPLING				
4400	TANK FARM #3B	TF44118	THREADED COUPLING				
4400	TANK FARM #3B	TF44119	THREADED COUPLING				
4400	TANK FARM #3B	TF44120	THREADED COUPLING				
4400	TANK FARM #3B	TF44121	THREADED COUPLING				
4400	TANK FARM #3B	TF44122	THREADED COUPLING				
4400	TANK FARM #3B	TF44123	90 ELBOW				
4400	TANK FARM #3B	TF44124	90 ELBOW				
4400	TANK FARM #3B	TF44125	90 ELBOW				
4400	TANK FARM #3B	TF44126	THREADED COUPLING				
4400	TANK FARM #3B	TF44127	THREADED COUPLING				
4400	TANK FARM #3B	TF44128	THREADED COUPLING				
4400	TANK FARM #3B	TF44129	THREADED COUPLING				
4400	TANK FARM #3B	TF44130	THREADED COUPLING				
4400	TANK FARM #3B	TF44131	T CONNECTOR				
4400	TANK FARM #3B	TF44132	90 ELBOW				
4400	TANK FARM #3B	TF44133	T CONNECTOR				
4400	TANK FARM #3B	TF44134	90 ELBOW				
4400	TANK FARM #3B	TF44135	UNION				
4400	TANK FARM #3B	TF44136	90 ELBOW				
4400	TANK FARM #3B	TF44137	COUPLING				
4400	TANK FARM #3B	TF44138	T CONNECTOR				
4400	TANK FARM #3B	TF44139	T CONNECTOR				
4400	TANK FARM #3B	TF44140	90 ELBOW				
4400	TANK FARM #3B	TF44141	COUPLING				
4400	TANK FARM #3B	TF44142	90 ELBOW				
4400	TANK FARM #3B	TF44143	90 ELBOW				
4400	TANK FARM #3B	TF44144	T CONNECTOR				
4400	TANK FARM #3B	TF44145	COUPLING				
4400	TANK FARM #3B	TF44146	REDUCER				
4400	TANK FARM #3B	TF44147	90 ELBOW				
4400	TANK FARM #3B	TF44148	90 ELBOW				
4400	TANK FARM #3B	TF44149	90 ELBOW				
4400	TANK FARM #3B	TF44150	90 ELBOW				
4400	TANK FARM #3B	TF44151	90 ELBOW				
4400	TANK FARM #3B	TF44152	COUPLING				
4400	TANK FARM #3B	TF44153	T CONNECTOR				
4400	TANK FARM #3B	TF44154	REDUCER				
4400	TANK FARM #3B	TF44155	90 ELBOW				
4400	TANK FARM #3B	TF44156	90 ELBOW				
4400	TANK FARM #3B	TF44157	T CONNECTOR				
4400	TANK FARM #3B	TF44158	COUPLING				
4400	TANK FARM #3B	TF44159	WELDED COUPLING				
4400	TANK FARM #3B	TF44160	45 ELBOW				
4400	TANK FARM #3B	TF44161	WELDED COUPLING				
4400	TANK FARM #3B	TF44162	WELDED COUPLING				
4400	TANK FARM #3B	TF44163	WELDED COUPLING				
4400	TANK FARM #3B	TF44164	90 ELBOW				
4400	TANK FARM #3B	TF44165	90 ELBOW				
4400	TANK FARM #3B	TF44166	BUNG CAP				
4400	TANK FARM #3B	TF44167	BUNG CAP				
4400	TANK FARM #3B	TF44168	90 ELBOW				
4400	TANK FARM #3B	TF44169	T CONNECTOR				
4400	TANK FARM #3B	TF44170	COUPLING				
4400	TANK FARM #3B	TF44171	COUPLING				
4400	TANK FARM #3B	TF44172	T CONNECTOR				
4400	TANK FARM #3B	TF44173	REDUCER				
4400	TANK FARM #3B	TF44174	REDUCER				
4400	TANK FARM #3B	TF44175	THREADED COUPLING				
4400	TANK FARM #3B	TF44176	COUPLING				
4400	TANK FARM #3B	TF44177	THREADED COUPLING				
4400	TANK FARM #3B	TF44178	T CONNECTOR				
4400	TANK FARM #3B	TF44179	90 ELBOW				
4400	TANK FARM #3B	TF44180	REDUCER				
4400	TANK FARM #3B	TF44181	THREADED COUPLING				

Safety-Kleen Corp.

RECYCLE CENTER

Lexington, South Carolina RC #630

SCD 077995488

MONTHLY REPORT - EMISSION DETECTION MONITORING

Method of Compliance - Emission Detection and Repair

Date:

Area Number 4500

Area Name TANK FARM #3C

Aim Gas Detector Serial #

Pump Serial #

Pre-test Cal By:

Inspected By:

Review By:

Total Organics Typically 60 - 100 % by Weight

Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4500	TANK FARM #3C	F45001	FLANGE	150#RFSO	3		
4500	TANK FARM #3C	F45002	FLANGE	150#RFSO	3		
4500	TANK FARM #3C	F45003	FLANGE	150#RFSO	3		
4500	TANK FARM #3C	F45004	FLANGE	150#RF THRD	3		
4500	TANK FARM #3C	F45005	FLANGE	150#RFSO	3		
4500	TANK FARM #3C	F45006	FLANGE	150 #	3		
4500	TANK FARM #3C	F45007	FLANGE	150#RFSO	3		
4500	TANK FARM #3C	F45008	FLANGE	150#RFSO	3		
4500	TANK FARM #3C	F45009	FLANGE	150#RFSO	3		
4500	TANK FARM #3C	F45010	FLANGE	150#RF THRD	3		
4500	TANK FARM #3C	F45011	FLANGE	150 #	3		
4500	TANK FARM #3C	F45012	FLANGE	150#RFSO	3		
4500	TANK FARM #3C	F45013	FLANGE	150#RFSO	3		
4500	TANK FARM #3C	F45014	FLANGE	150#RFSO	3		
4500	TANK FARM #3C	F45015	FLANGE	150#RF THRD	3		
4500	TANK FARM #3C	F45016	FLANGE	150#RFSO	3		
4500	TANK FARM #3C	F45017	FLANGE	150#RFSO	3		
4500	TANK FARM #3C	F45018	FLANGE	150#RF THRD	3		
4500	TANK FARM #3C	F45019	FLANGE	150#RFSO	4		
4500	TANK FARM #3C	F45020	FLANGE	150#RFSO	4		
4500	TANK FARM #3C	F45021	FLANGE	150#RFSO	3		
4500	TANK FARM #3C	F45022	FLANGE	150#RFSO	3		
4500	TANK FARM #3C	F45023	FLANGE	150#RF THRD	3		
4500	TANK FARM #3C	F45024	FLANGE	150#FR SO	3		
4500	TANK FARM #3C	F45025	FLANGE	150#RFSO	3		
4500	TANK FARM #3C	F45026	FLANGE	150#RFSO	3		
4500	TANK FARM #3C	F45027	FLANGE	150#RFSO	3		
4500	TANK FARM #3C	OE45001	OPEN END PIPELINE		3		
4500	TANK FARM #3C	OE45002	OPEN END PIPELINE		1		
4500	TANK FARM #3C	OE45003	OPEN END PIPELINE		3		
4500	TANK FARM #3C	OE45004	OPEN END PIPELINE		1		
4500	TANK FARM #3C	OE45005	OPEN END PIPELINE		3		
4500	TANK FARM #3C	OE45006	OPEN END PIPELINE		0.5		
4500	TANK FARM #3C	OE45007	OPEN END PIPELINE		1		
4500	TANK FARM #3C	OE45008	OPEN END PIPELINE		3		
4500	TANK FARM #3C	OE45009	OPEN END PIPELINE		2		
4500	TANK FARM #3C	OE45010	OPEN END PIPELINE		0.5		
4500	TANK FARM #3C	OE45011	OPEN END PIPELINE		3		
4500	TANK FARM #3C	OE45012	OPEN END PIPELINE		0.5		
4500	TANK FARM #3C	OE45013	OPEN END PIPELINE		0.5		
4500	TANK FARM #3C	OE45014	OPEN END PIPELINE		3		
4500	TANK FARM #3C	OE45015	OPEN END PIPELINE		0.5		
4500	TANK FARM #3C	OE45016	OPEN END PIPELINE		3		
4500	TANK FARM #3C	OE45017	OPEN END PIPELINE		0.5		
4500	TANK FARM #3C	OE45018	OPEN END PIPELINE		3		
4500	TANK FARM #3C	OE45019	OPEN END PIPELINE		0.5		
4500	TANK FARM #3C	OE45020	OPEN END PIPELINE				
4500	TANK FARM #3C	P4500	PUMP		0		
4500	TANK FARM #3C	P4501	PUMP		0		
4500	TANK FARM #3C	V45001	VALVE	BALL	3		
4500	TANK FARM #3C	V45002	VALVE	BALL	1		
4500	TANK FARM #3C	V45003	VALVE	BALL	1		
4500	TANK FARM #3C	V45004	VALVE	BALL	3		
4500	TANK FARM #3C	V45005	VALVE	BALL	3		
4500	TANK FARM #3C	V45006	VALVE	BALL	0.5		
4500	TANK FARM #3C	V45007	VALVE	BALL	3		
4500	TANK FARM #3C	V45008	VALVE	BALL	1		
4500	TANK FARM #3C	V45009	VALVE	BALL	1		
4500	TANK FARM #3C	V45010	VALVE	BALL	3		
4500	TANK FARM #3C	V45011	VALVE	BALL	2		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
4500	TANK FARM #3C	V45012	VALVE	BALL	0.5		
4500	TANK FARM #3C	V45013	VALVE	BALL	0.5		
4500	TANK FARM #3C	V45014	VALVE	BALL	2		
4500	TANK FARM #3C	V45015	VALVE	BALL	0.5		
4500	TANK FARM #3C	V45016	VALVE	BALL	0.5		
4500	TANK FARM #3C	V45017	VALVE	BALL	3		
4500	TANK FARM #3C	V45018	VALVE	CHECK	3		
4500	TANK FARM #3C	V45019	VALVE	B/F	3		
4500	TANK FARM #3C	V45020	VALVE	BALL	0.5		
4500	TANK FARM #3C	V45021	VALVE	B/F	3		
4500	TANK FARM #3C	V45022	VALVE	BALL	0.5		
4500	TANK FARM #3C	V45023	VALVE	B/F	3		
4500	TANK FARM #3C	V45024	VALVE	BALL	0.5		
4500	TANK FARM #3C	V45025	VALVE	BALL, FLANGED	3		
4500	TANK FARM #3C	V45026	VALVE	BALL, FLANGED	3		
4500	TANK FARM #3C	V45027	VALVE	BALL, THREAD	0.5		
4500	TANK FARM #3C	V45028	VALVE	BALL, THREAD	0.5		
4500	TANK FARM #3C	V45029	VALVE	BALL, FLANGED	3		
4500	TANK FARM #3C	V45030	VALVE	BALL, THREAD	0.75		
4500	TANK FARM #3C	V45031	VALVE	BALL, THREAD	0.75		
4500	TANK FARM #3C	V45032	VALVE	BALL, FLANGED	3		

Safety-Kleen Corp.

RECYCLE CENTER

Lexington, South Carolina RC #630

SCD 077995488

MONTHLY REPORT - EMISSION DETECTION MONITORING

Method of Compliance - Emission Detection and Repair

Date:

Area Number 5600

Area Name FIRE PUMP HOUSE - Removed, Not Applicable

Aim Gas Detector Serial #

Pump Serial #

Pre-test Cal By:

Inspected By:

Review By:

Total Organics Typically 60 - 100 % by Weight

Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
~~5600~~	~~FIRE PUMP HOUSE - Removed, Not Applicable~~	~~P5600~~	~~PUMP~~		~~0~~		Removed May 2005. Subpart BB is not applicable to this area or equipment.
~~5600~~	~~FIRE PUMP HOUSE - Removed, Not Applicable~~	~~P5601~~	~~PUMP~~		~~0~~		Removed May 2005. Subpart BB is not applicable to this area or equipment.
~~5600~~	~~FIRE PUMP HOUSE - Removed, Not Applicable~~	~~P5602~~	~~PUMP~~		~~0~~		Removed May 2005. Subpart BB is not applicable to this area or equipment.
~~5600~~	~~FIRE PUMP HOUSE - Removed, Not Applicable~~	~~P5603~~	~~PUMP~~		~~0~~		Removed May 2005. Subpart BB is not applicable to this area or equipment.
~~5600~~	~~FIRE PUMP HOUSE - Removed, Not Applicable~~	~~PSV56001~~	~~PRESSURE SAFETY VALVE~~	~~SPRING~~	~~0~~		Removed May 2005. Subpart BB is not applicable to this area or equipment.
~~5600~~	~~FIRE PUMP HOUSE - Removed, Not Applicable~~	~~PSV56002~~	~~PRESSURE SAFETY VALVE~~	~~SPRING~~	~~0~~		Removed May 2005. Subpart BB is not applicable to this area or equipment.
~~5600~~	~~FIRE PUMP HOUSE - Removed, Not Applicable~~	~~PSV61001~~	~~PRESSURE SAFETY VALVE~~	~~SPRING~~	~~0~~		Removed May 2005. Subpart BB is not applicable to this area or equipment.

Safety-Kleen Corp.

RECYCLE CENTER

Lexington, South Carolina RC #630

SCD 077995488

MONTHLY REPORT - EMISSION DETECTION MONITORING

Method of Compliance - Emission Detection and Repair

Date:

Area Number 6100

Area Name TANKER TUNNEL

Aim Gas Detector Serial #

Pump Serial #

Pre-test Cal By:

Inspected By:

Review By:

Total Organics Typically 60 - 100 % by Weight

Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
6100	TANKER TUNNEL	F61001	FLANGE	125# FF THRD	3		
6100	TANKER TUNNEL	F61002	FLANGE	150#FF THRD	3		
6100	TANKER TUNNEL	F61003	FLANGE	150#FF THRD	4		
6100	TANKER TUNNEL	F61004	FLANGE	150 #	4		
6100	TANKER TUNNEL	F61005	FLANGE	150#FF THRD	4		
6100	TANKER TUNNEL	F61006	FLANGE	150#RFSO	3		
6100	TANKER TUNNEL	F61007	FLANGE	150#	3		
6100	TANKER TUNNEL	F61008	FLANGE	150 #	2		
6100	TANKER TUNNEL	OE61001	OPEN END PIPELINE		3		
6100	TANKER TUNNEL	OE61002	OPEN END PIPELINE		3		
6100	TANKER TUNNEL	OE61003	OPEN END PIPELINE		0.25		
6100	TANKER TUNNEL	OE61004	OPEN END PIPELINE		2		
6100	TANKER TUNNEL	OE61005	OPEN END PIPELINE		0.75		
6100	TANKER TUNNEL	OE61006	OPEN END PIPELINE		2		
6100	TANKER TUNNEL	OE61007	OPEN END PIPELINE		0.75		
6100	TANKER TUNNEL	OE61008	OPEN END PIPELINE		3		
6100	TANKER TUNNEL	OE61009	OPEN END PIPELINE		0.25		
6100	TANKER TUNNEL	OE61041	OPEN END PIPELINE		1		
6100	TANKER TUNNEL	P6101	PUMP				
6100	TANKER TUNNEL	P6102	PUMP		0		
6100	TANKER TUNNEL	P6103	PUMP		0		
6100	TANKER TUNNEL	P6104	PUMP		0		
6100	TANKER TUNNEL	P6105	PUMP		0		
6100	TANKER TUNNEL	P6106	PUMP		0		
6100	TANKER TUNNEL	P6107	PUMP		0		
6100	TANKER TUNNEL	STR6101	STRAINER				
6100	TANKER TUNNEL	V61001	VALVE	GATE	3		
6100	TANKER TUNNEL	V61002	VALVE	GATE	3		
6100	TANKER TUNNEL	V61003	VALVE	GATE	3		
6100	TANKER TUNNEL	V61004	VALVE	BALL	0.38		
6100	TANKER TUNNEL	V61005	VALVE	BALL	0.38		
6100	TANKER TUNNEL	V61006	VALVE	BALL	2		
6100	TANKER TUNNEL	V61007	VALVE	BALL	0.5		
6100	TANKER TUNNEL	V61008	VALVE	GATE	3		
6100	TANKER TUNNEL	V61009	VALVE	GATE	3		
6100	TANKER TUNNEL	V61010	VALVE	CHECK	3		
6100	TANKER TUNNEL	V61011	VALVE	BALL	2		
6100	TANKER TUNNEL	V61012	VALVE	BALL	0.38		
6100	TANKER TUNNEL	V61013	VALVE	GATE	2		
6100	TANKER TUNNEL	V61014	VALVE	BALL	2		
6100	TANKER TUNNEL	V61015	VALVE	BALL	0.75		
6100	TANKER TUNNEL	V61016	VALVE	BALL	0.75		
6100	TANKER TUNNEL	V61017	VALVE	BALL	2		
6100	TANKER TUNNEL	V61019	VALVE	B/F, WAF	3		
6100	TANKER TUNNEL	V61020	VALVE	CHECK, THREAD	3		
6100	TANKER TUNNEL	V61021	VALVE	GATE, THREAD	3		
6100	TANKER TUNNEL	V61022	VALVE	BALL, THREAD	0.75		
6100	TANKER TUNNEL	V61023	VALVE	GATE, THREAD	1		
6100	TANKER TUNNEL	V61024	VALVE	BALL, THREAD	1		
6100	TANKER TUNNEL	V61025	VALVE	BALL, THREAD	0.5		
6100	TANKER TUNNEL	V61026	VALVE	BALL, THREAD	1		
6100	TANKER TUNNEL	V61027	VALVE	BALL, THREAD	3		
6100	TANKER TUNNEL	V61028	VALVE	BALL, THREAD	1		
6100	TANKER TUNNEL	V61029	VALVE	BALL, THREAD	3		
6100	TANKER TUNNEL	V61030	VALVE	GATE, THREAD	4		
6100	TANKER TUNNEL	V61031	VALVE	BALL, THREAD	0.5		
6100	TANKER TUNNEL	V61032	VALVE	BALL, THREAD	1		
6100	TANKER TUNNEL	V61033	VALVE	BALL, THREAD			
6100	TANKER TUNNEL	V61034	VALVE	BALL, FLANGED	3		
6100	TANKER TUNNEL	V61035	VALVE	BALL, THREAD	1		

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
6100	TANKER TUNNEL	V61036	VALVE	BALL, FLANGED			
6100	TANKER TUNNEL	V61037	VALVE	BALL, THREAD	1		
6100	TANKER TUNNEL	V61038	VALVE	BALL, FLANGED			
6100	TANKER TUNNEL	V61039	VALVE	BALL, THREAD	1		
6100	TANKER TUNNEL	V61040	VALVE	BALL, THREAD	1		
6100	TANKER TUNNEL	V61041	VALVE	BALL, THREAD	1		
6100	TANKER TUNNEL	V61042	VALVE	BALL, THREAD	0.5		
6100	TANKER TUNNEL	V61043	VALVE	SIGHT GLASS	1		
6100	TANKER TUNNEL	V61044	VALVE	SIGHT GLASS			
6100	TANKER TUNNEL	V61045	VALVE	BALL, THREAD	2		
6100	TANKER TUNNEL	V61046	VALVE	BALL, THREAD	1.5		
6100	TANKER TUNNEL	V61047	VALVE	BALL, THREAD	1		
6100	TANKER TUNNEL	V61048	VALVE	BALL, THREAD	1.5		
6100	TANKER TUNNEL	V61049	VALVE	BALL, THREAD	0.75		
6100	TANKER TUNNEL	V61050	VALVE	BALL, THREAD	1		
6100	TANKER TUNNEL	V61051	VALVE	BALL, THREAD	2		
6100	TANKER TUNNEL	V61052	VALVE	CHECK, WAF	3		
6100	TANKER TUNNEL	V61053	VALVE	BALL, FLANGED	3		
6100	TANKER TUNNEL	V61054	VALVE	BALL, THREAD	0.5		
6100	TANKER TUNNEL	V61055	VALVE	BALL, THREAD	0.5		
6100	TANKER TUNNEL	V61056	VALVE	BALL, THREAD	2		
6100	TANKER TUNNEL	V61057	VALVE	B/F, WAF	2		
6100	TANKER TUNNEL	V61058	VALVE	BALL, THREAD	0.5		
6100	TANKER TUNNEL	V61059	VALVE	BALL, THREAD	0.5		
6100	TANKER TUNNEL	V61060	VALVE	B/F, WAF	2		
6100	TANKER TUNNEL	V61061	VALVE	BALL, THREAD	2		
6100	TANKER TUNNEL	V61062	VALVE	BALL, THREAD	0.5		
6100	TANKER TUNNEL	V61063	VALVE	B/F, WAF	2		
6100	TANKER TUNNEL	V61064	VALVE	BALL, THREAD	0.5		
6100	TANKER TUNNEL	V61065	VALVE	B/F, WAF	2		
6100	TANKER TUNNEL	V61066	VALVE	BALL, THREAD	0.5		
6100	TANKER TUNNEL	V61067	VALVE	BALL, FLANGED	3		
6100	TANKER TUNNEL	V61068	VALVE	CHECK, THREAD	3		
6100	TANKER TUNNEL	V61069	VALVE	BALL, THREAD	1		
6100	TANKER TUNNEL	V61070	VALVE	BALL, THREAD	1		
6100	TANKER TUNNEL	V61071	VALVE	BALL, FLANGED	3		
6100	TANKER TUNNEL	V61072	VALVE	BALL, THREAD	0.5		
6100	TANKER TUNNEL	V61073	VALVE	BALL, THREAD	1		
6100	TANKER TUNNEL	V61074	VALVE	BALL, THREAD	1		
6100	TANKER TUNNEL	V61075	VALVE	BALL, THREAD	0.5		
6100	TANKER TUNNEL	V61076	VALVE	BALL, THREAD	1		
6100	TANKER TUNNEL	V61077	VALVE	CHECK, THREAD	1		
6100	TANKER TUNNEL	V61078	VALVE	BALL, FLANGED	3		
6100	TANKER TUNNEL	V61079	VALVE	BALL, FLANGED	3		
6100	TANKER TUNNEL	V61080	VALVE	BALL, THREAD	0.5		
6100	TANKER TUNNEL	V61081	VALVE		0.5		
6100	TANKER TUNNEL	V61082	VALVE		1		
6100	TANKER TUNNEL	V61083	VALVE		1		
6100	TANKER TUNNEL	TF61001	90 VOID				
6100	TANKER TUNNEL	TF61002	COUPLING VOID				
6100	TANKER TUNNEL	TF61003	UNION				
6100	TANKER TUNNEL	TF61004	90				
6100	TANKER TUNNEL	TF61005	T ON PRESSURE GAUGE				
6100	TANKER TUNNEL	TF61006	THREADED BUNG				
6100	TANKER TUNNEL	TF61007	T				
6100	TANKER TUNNEL	TF61008	T				
6100	TANKER TUNNEL	TF61009	REDUCER				
6100	TANKER TUNNEL	TF61010	90 ELBOW				
6100	TANKER TUNNEL	TF61011	90 ELBOW				
6100	TANKER TUNNEL	TF61012	90 ELBOW				
6100	TANKER TUNNEL	TF61013	COUPLING				
6100	TANKER TUNNEL	TF61014	90 ELBOW				
6100	TANKER TUNNEL	TF61015	UNION				
6100	TANKER TUNNEL	TF61016	COUPLING				
6100	TANKER TUNNEL	TF61017	90 ELBOW				
6100	TANKER TUNNEL	TF61018	90 ELBOW				
6100	TANKER TUNNEL	TF61019	90 ELBOW				
6100	TANKER TUNNEL	TF61020	90 ELBOW				
6100	TANKER TUNNEL	TF61021	T				
6100	TANKER TUNNEL	TF61022	90				
6100	TANKER TUNNEL	TF61023	90				
6100	TANKER TUNNEL	TF61024	90 ELBOW				
6100	TANKER TUNNEL	TF61025	T INTO V61015				
6100	TANKER TUNNEL	TF61026	GREASE FITTING ON LOADING ARM				
6100	TANKER TUNNEL	TF61027	GREASE FITTING ON LOADING ARM				
6100	TANKER TUNNEL	TF61028	90				
6100	TANKER TUNNEL	TF61029	90				
6100	TANKER TUNNEL	TF61030	COUPLING				

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
6100	TANKER TUNNEL	TF61031	T				
6100	TANKER TUNNEL	TF61032	CAP END				
6100	TANKER TUNNEL	TF61033	T				

Safety-Kleen Corp.

RECYCLE CENTER

Lexington, South Carolina RC #630

SCD 077995488

MONTHLY REPORT - EMISSION DETECTION MONITORING

Method of Compliance - Emission Detection and Repair

Date:

Area Number 7100

Area Name DRUM SHED

Aim Gas Detector Serial #

Pump Serial #

Pre-test Cal By:

Inspected By:

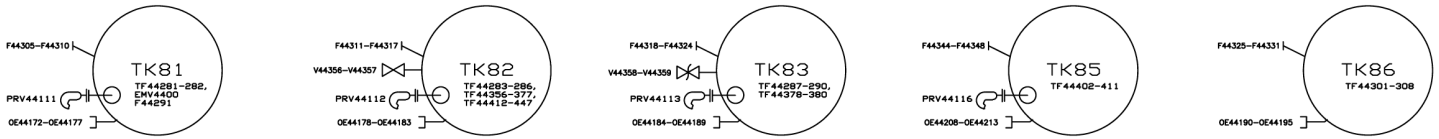
Review By:

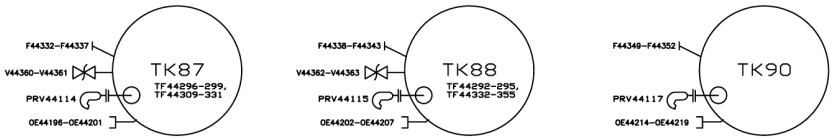
Total Organics Typically 60 - 100 % by Weight

Hazardous Waste State: Liquid

Location	Area Name	Unit Number	Unit Description	Type	Size	Leak	Notes
7100	DRUM SHED	P7100	PUMP		0		
7100	DRUM SHED	P7101	PUMP		0		
7100	DRUM SHED	P7102	PUMP		0		
7100	DRUM SHED	P7103	PUMP		0		
7100	DRUM SHED	P7104	PUMP		0		
7100	DRUM SHED	P7105	PUMP		0		

Attachment N-2





NOTES

4400

F=305-352
OE=172-219
PRV=111-117
V=358-363

NO.	DESCRIPTION	BY	CK.	PRELIMGR APPR.	PROCESS APPR.	DATE
		CBH				4/27/99

REVISIONS

PROPRIETARY STATEMENT

AUTOCAD FILENAME: 4300-100.DWG

McIntosh Mechanical, Inc.
PO Box 3317
Sumter, SC 29151

SK-Subpart BB-TF3B-Tops

11 COOLING WATER SUPPLY	15 STEAM CONDENSATE RETURN	21 NITROGEN	27 VENT TO ATMOSPHERE	35 TREATED BFW	38 PLANT AIR
12 COOLING WATER RETURN	16 INSTRUMENT AIR	22 BLOWDOWN/FLARE	31 WATER SEWER	36 SEAL OIL SUPPLY	39 CHILLED WATER SUPPLY
13 STEAM SUPPLY	19 NATURAL GAS	24 PLANT WATER	32 DISCHARGE TO GRADE	37 SEAL OIL RETURN	40 CHILLED WATER RETURN

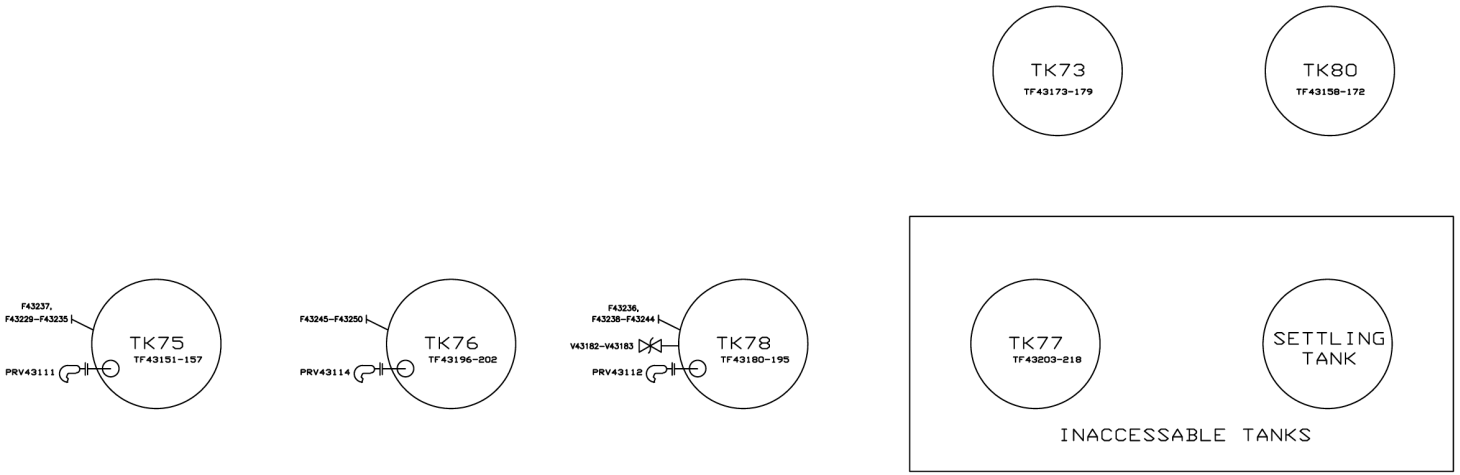
SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	D.ROBB				06-28-99

LEXINGTON S.C.

DRAWING NO. SK-TF3B-Tops

REV 1



NOTES

4300

F=236-287
PRV=111-114
V=182-183

NOTE: TANK 77 WAS INACCESSABLE AND THE SETTLING TANK WAS ACCOUNTED FOR IN THE 'SIDES' DRAWING.

NO.	DESCRIPTION	BY	CK.	PROJ MGR APPR.	PROCESS APPR.	DATE
		CBH				4/27/99

REVISIONS

PROPRIETARY STATEMENT

AUTOCAD FILENAME: 4300-100.DWG

McIntosh Mechanical, Inc.
PO Box 3317
Sumter, SC 29151

SK-Subpart BB-TF3A-Tops

11 COOLING WATER SUPPLY	15 STEAM CONDENSATE RETURN	21 NITROGEN	27 VENT TO ATMOSPHERE	35 TREATED BFW	38 PLANT AIR
12 COOLING WATER RETURN	16 INSTRUMENT AIR	22 BLOWDOWN/FLARE	31 WATER SEWER	36 SEAL OIL SUPPLY	39 CHILLED WATER SUPPLY
13 STEAM SUPPLY	19 NATURAL GAS	24 PLANT WATER	32 DISCHARGE TO GRADE	37 SEAL OIL RETURN	40 CHILLED WATER RETURN

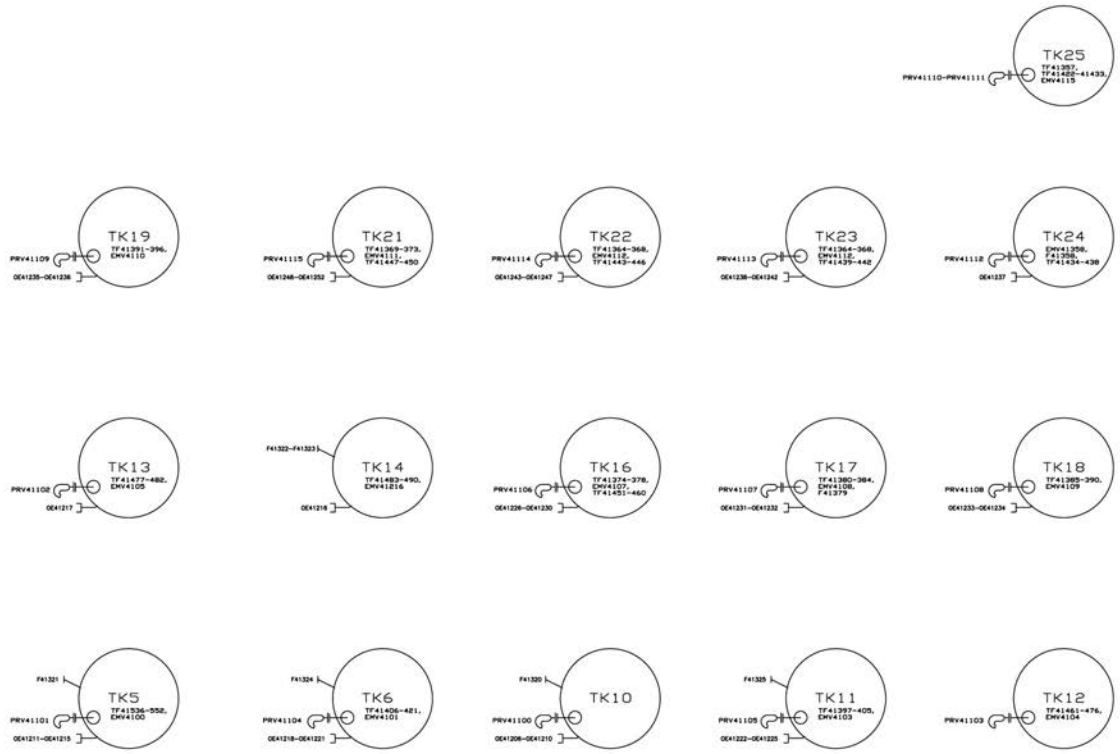
SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	D.ROBB				06-28-99

LEXINGTON
S.C.

DRAWING NO.
SK-TF3A-Tops

REV
1



NOTES

4100

F=320-325
OE=211-252
PRV=100-115

NO.	DESCRIPTION	BY	CHK'D	ENGINEER APPR.	OPERATION APPR.	DATE
			CBW			4/27/98

REVISIONS

PROPRIETARY STATEMENT

AUTOCAD FILENAME: 4300-100.DWG

McIntosh Mechanical, Inc.

SK-Subpart BB-TF1-Tops

11 COOLING WATER SUPPLY	15 STEAM CONDENSATE RETURN	21 NITROGEN	27 VENT TO ATMOSPHERE	35 TREATED BFW	38 PLANT AIR
12 COOLING WATER RETURN	16 INSTRUMENT AIR	22 BLOWDOWN/FLARE	31 WATER SEWER	36 SEAL OIL SUPPLY	39 CHILLED WATER SUPPLY
13 STEAM SUPPLY	19 NATURAL GAS	24 PLANT WATER	32 DISCHARGE TO GRADE	37 SEAL OIL RETURN	40 CHILLED WATER RETURN

SAFETY-KLEEN CORP.

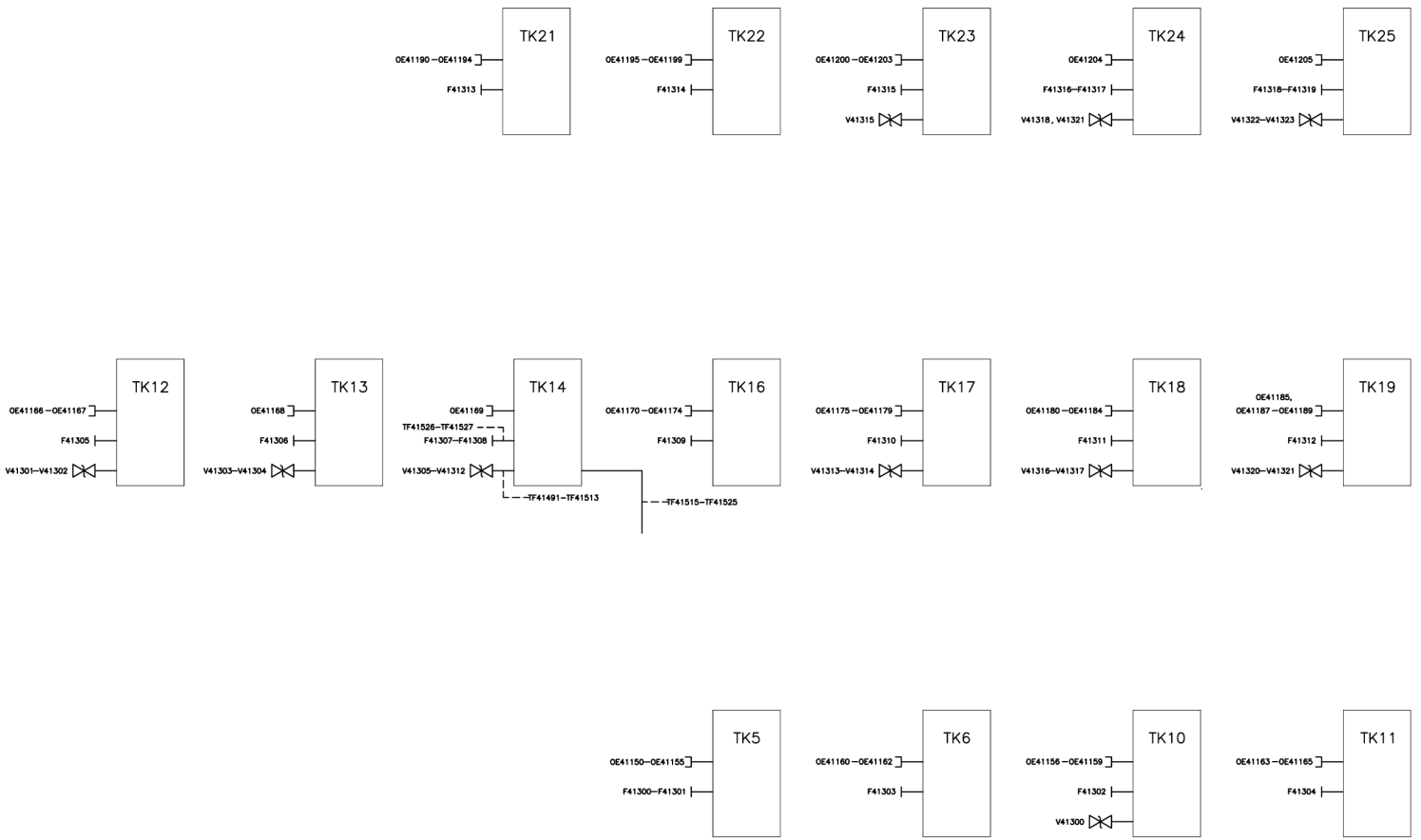
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DESIGN	CHECKED	APPR.	OPERATION APPR.	DATE
NONE	SJR289				30-09-99

LEXINGTON S.C.

DRAWING NO. SK-TF1-Tops

REV 1



NOTES

4100 Subpart BB Listing

V = 300–323

F = 300–319

OE = 150–205 & 185

NO.	DESCRIPTION	BY	CK.	PRELIMGR APPR.	PROCESS APPR.	DATE

REVISIONS

PROPRIETARY STATEMENT

AUTOCAD FILENAME: 4100–100.DWG

McIntosh Mechanical, Inc.
PO Box 3317
Sumter, SC 29151

SK–SubpartBB–TF1–Sides

11	COOLING WATER SUPPLY	15	STEAM CONDENSATE RETURN	21	NITROGEN	27	VENT TO ATMOSPHERE	35	TREATED BFW	38	PLANT AIR
12	COOLING WATER RETURN	16	INSTRUMENT AIR	22	BLOWDOWN/FLARE	31	WATER SEWER	36	SEAL OIL SUPPLY	39	CHILLED WATER SUPPLY
13	STEAM SUPPLY	19	NATURAL GAS	24	PLANT WATER	32	DISCHARGE TO GRADE	37	SEAL OIL RETURN	40	CHILLED WATER RETURN

SAFETY–KLEEN CORP.

1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	D.ROBB				6-25-99

LEXINGTON S.C. | DRAWING NO. SK–TF1–Sides | REV 0

EQUIPMENT SCHEDULE

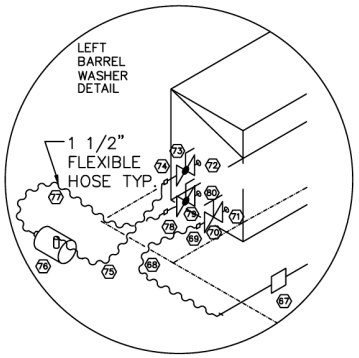
MARK	DESCRIPTION
1	3" CAMLOCK
2	3" GATE VALVE
3	3" CHECK VALVE
4	3" FLANGED GATE VALVE
5	3" INTERNAL EMERGENCY GATE VALVE
6	3" CAMLOCK
7	3" GATE VALVE (EMERG. ACCESS)
8	3" INT. EMERG. GATE VALVE (EMERG. ACCESS)
9	3" Threaded Fitting
10	3" Threaded Fitting
11	Tank Manway
12	3" Threaded Fitting
13	Emergency Relief (Manway)
14	3" Threaded Fitting
15	3" Emergency Relief Valve
16	3" Threaded Fitting
17	3" Threaded Copupling
18	3" INT. EMERG. GATE VALVE (EMERG. ACCESS)
19	3" 90 degree Elbow
20	3" Threaded Copupling
21	3" 90 degree Elbow
22	3" 90 degree Elbow
23	3" Threaded Copupling
24	3" 90 degree Elbow
25	3" 90 degree Elbow
26	3" 45 degree Elbow
27	3" 45 degree Elbow
28	3" 45 degree Elbow
29	3" 45 degree Elbow
30	3" 45 degree Elbow
31	3" CHECK VALVE
32	3" Threaded Coupling
33	3" Threaded Coupling
34	USED SOLVENT PUMP
35	3" to 2" Threaded Reducer
36	2" Threaded Coupling
37	2" 45 degree Elbow
38	2" 45 degree Elbow
39	STRAINER ASSEMBLY
40	2" Threaded Coupling
41	2" Gate Valve
42	2" Three Way Tee
43	2" Three Way Tee
44	2" Gate Valve
45	2" 45 degree Elbow
46	2" 45 degree Elbow
47	2" Three Way Tee
48	2" 45 degree Elbow

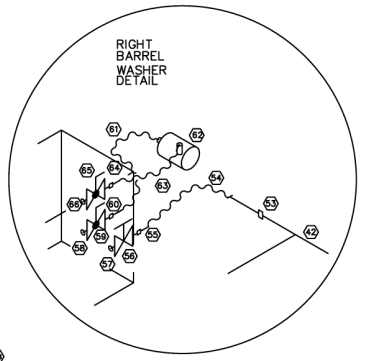
EQUIPMENT SCHEDULE

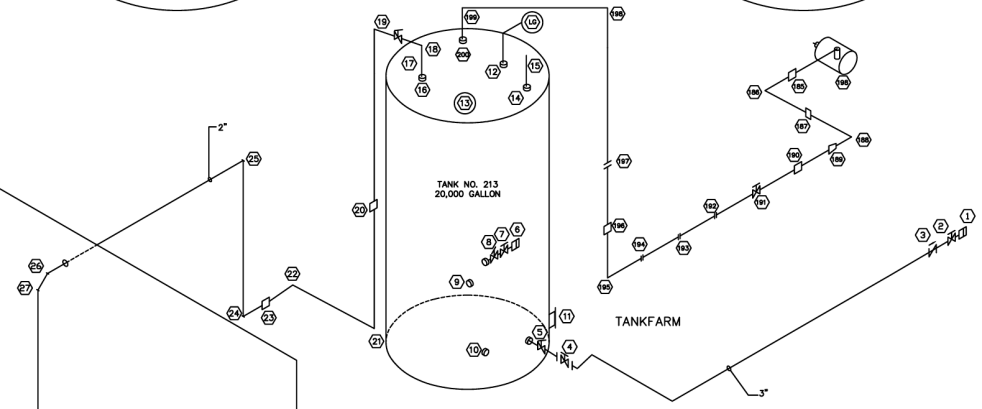
MARK	DESCRIPTION
49	2" 45 degree Elbow
50	2" Gate Valve
51	2" 45 degree Elbow
52	2" 45 degree Elbow
53	2" Threaded Coupling
54	1 1/2' Flexible Hose
55	1 1/2" Threaded Fitting
56	1 1/2" Gate Valve
57	1 1/2" Threaded Fitting
58	1 1/2" Threaded Fitting
59	1 1/2" Gate Valve
60	1 1/2" Threaded Fitting
61	1 1/2' Flexible Hose
62	Barrel Washer Pump
63	1 1/2' Flexible Hose
64	1 1/2" Threaded Fitting
65	1 1/2" Gate Valve
66	1 1/2" Threaded Fitting
67	2" Threaded Coupling
68	1 1/2' Flexible Hose
69	1 1/2" Threaded Fitting
70	1 1/2" Gate Valve
71	1 1/2" Threaded Fitting
72	1 1/2" Threaded Fitting
73	1 1/2" Gate Valve
74	1 1/2" Threaded Fitting
75	1 1/2' Flexible Hose
76	Barrel Washer Pump
77	1 1/2' Flexible Hose
78	1 1/2" Threaded Fitting
79	1 1/2" Gate Valve
80	1 1/2" Threaded Fitting
81	1" Threaded Fitting
82	1" 90 degree Elbow
83	1" Cam Lock

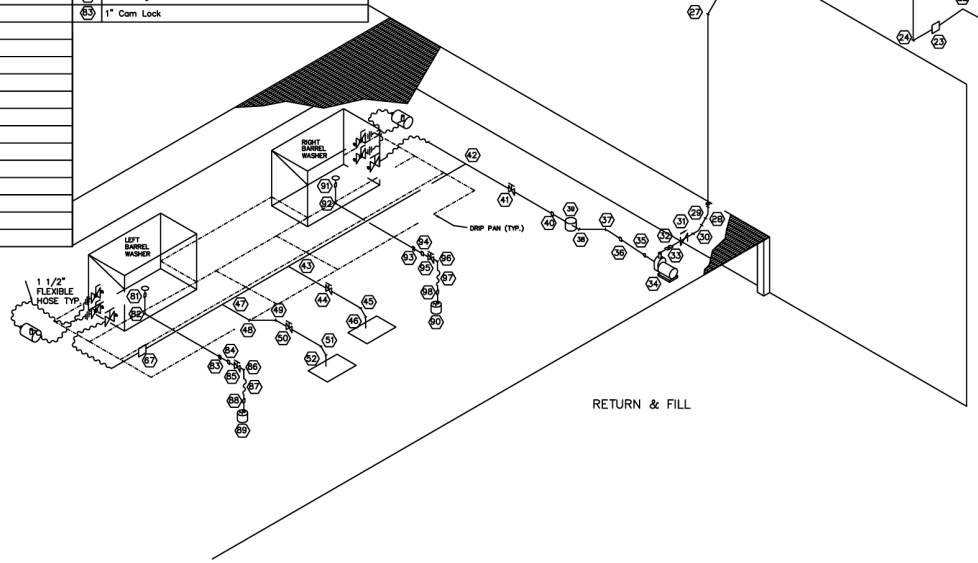
EQUIPMENT SCHEDULE

MARK	DESCRIPTION
84	1" Threaded Fitting
85	1" Ball Valve
86	1" 90 degree Elbow
87	1" Flexible Hose
88	1" Threaded Fitting
89	Gas Can
90	Gas Can
91	1" Threaded Fitting
92	1" 90 degree Elbow
93	1" Cam Lock
94	1" Threaded Fitting
95	1" Ball Valve
96	1" 90 degree Elbow
97	1" Flexible Hose
98	1" Threaded Fitting
185	2" Threaded Fitting
186	2" 90 degree Elbow
187	2" Threaded Coupling
188	2" 90 Degree Elbow
189	3" to 2" Reducer
190	3" Threaded Coupling
191	3" Globe Valve
192	3" Flange
193	3" Flange
194	3" Flange
195	3" 90 degree Elbow
196	3" Threaded Coupling
197	3" Flange
198	3" 90 degree Elbow
199	3" 90 degree Elbow
200	3" Threaded Fitting









PROPRIETARY STATEMENT

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Project Solutions Companies
1390 Boone Industrial Drive • Suite 200 • Columbia • MO 65202
• Phone: (573) 443-7100 • Fax: (573) 443-7181 •

NO.	DESCRIPTION	BY	CHK	APPR	DATE
	REVISIONS				
E	REMOVED TANK CONTENTS	MBD	KJH	DPVJM	011897
D	ADDED TANK #'S AND REVISED CONTENTS NAME	MBH	KJH	DPVJM	011097
C	ADDED FLANGE NO. 37	MBH	KJH	DPVJM	102694
B	ADDED 1" VALVES-ITEMS 32 THRU 36	MBH	-	-	011993
A	ADDED ETHYLENE GLYCOL TANK PIPING	MBH	-	-	052891

TITLE

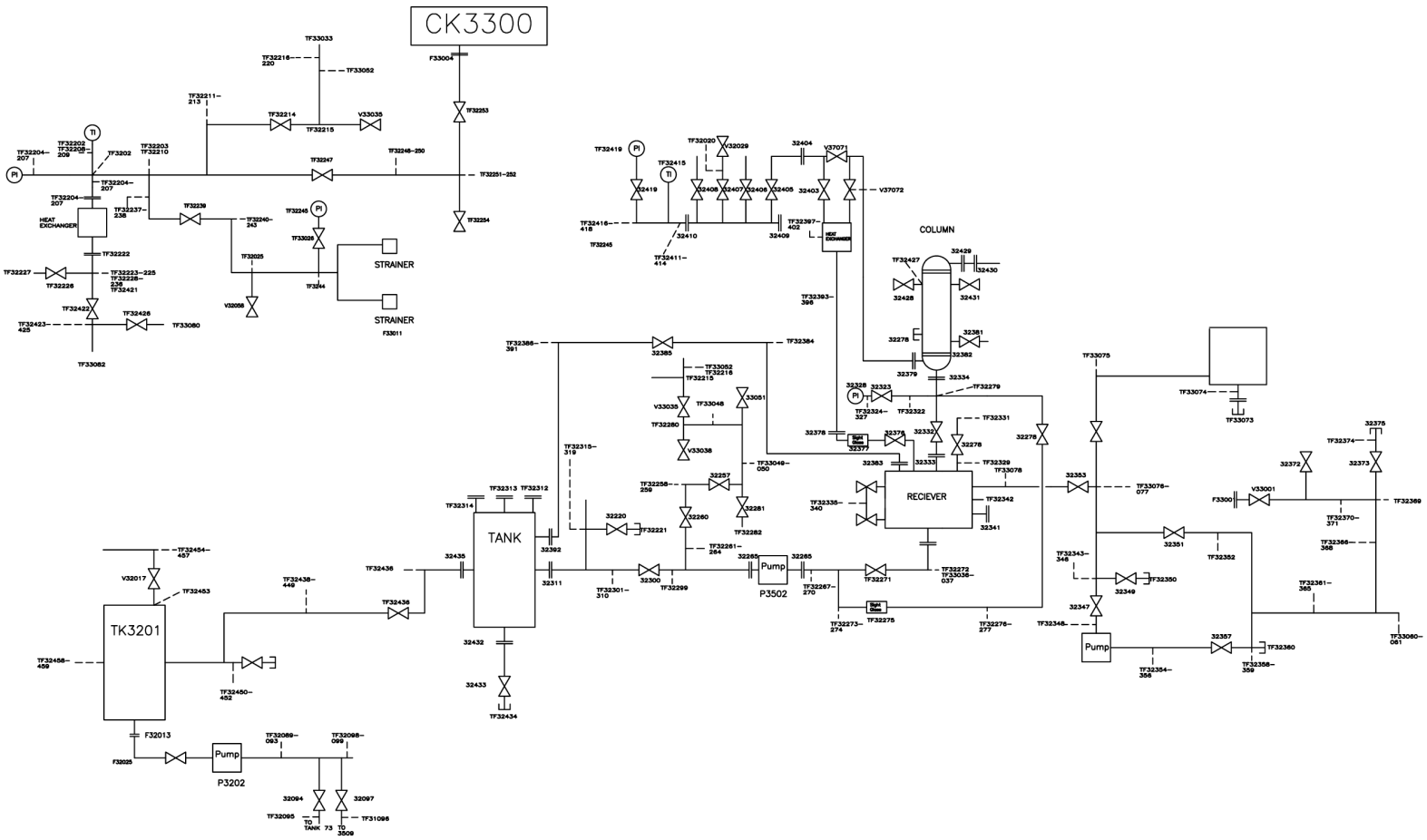
PIPING ISOMETRIC (ENVIRONMENTAL)

SAFETY-KLEEN SYSTEMS, INC.
5400 LEGACY DR. CLUSTER III BLDG. 3, PLANO, TX. 75024
PHONE 800-669-5740

SCALE	BY	CHKD	APPROVED	OPERATIONS	DATE
NONE	MAP				12/28/90

SERVICE CENTER LOCATION	SC-DWG NUMBER	REV. NO.
LEXINGTON, S.C.	7056-4400-300	E

911397



NOTES

4200

V42029-V42034, V42037-V42046
V42170-V42172
F42039-F42092
DE-42007-DE42015
TP98 630-4200-100
TP99 630-4200-100
TP100 630-4200-100
TP101 630-4200-100
TP102 630-4200-100
TP103 630-4200-100
TP104 630-4200-100
TP105 630-4200-100
TP106 630-4200-100
TP200 630-4200-102

NO.	DESCRIPTION	BY	CK.	PRELIMGR APPR.	PROCESS APPR.	DATE

REVISIONS

PROPRIETARY STATEMENT

AUTOCAD FILENAME: Cooker

Detail Drawing for 630-3100-100

PIPING AND VALVE SCHEMATIC

11	COOLING WATER SUPPLY	15	STEAM CONDENSATE RETURN	21	NITROGEN	27	VENT TO ATMOSPHERE	35	TREATED BFW	38	PLANT AIR
12	COOLING WATER RETURN	16	INSTRUMENT AIR	22	BLOWDOWN/FLARE	31	WATER SEWER	36	SEAL OIL SUPPLY	39	CHILLED WATER SUPPLY
13	STEAM SUPPLY	19	NATURAL GAS	24	PLANT WATER	32	DISCHARGE TO GRADE	37	SEAL OIL RETURN	40	CHILLED WATER RETURN

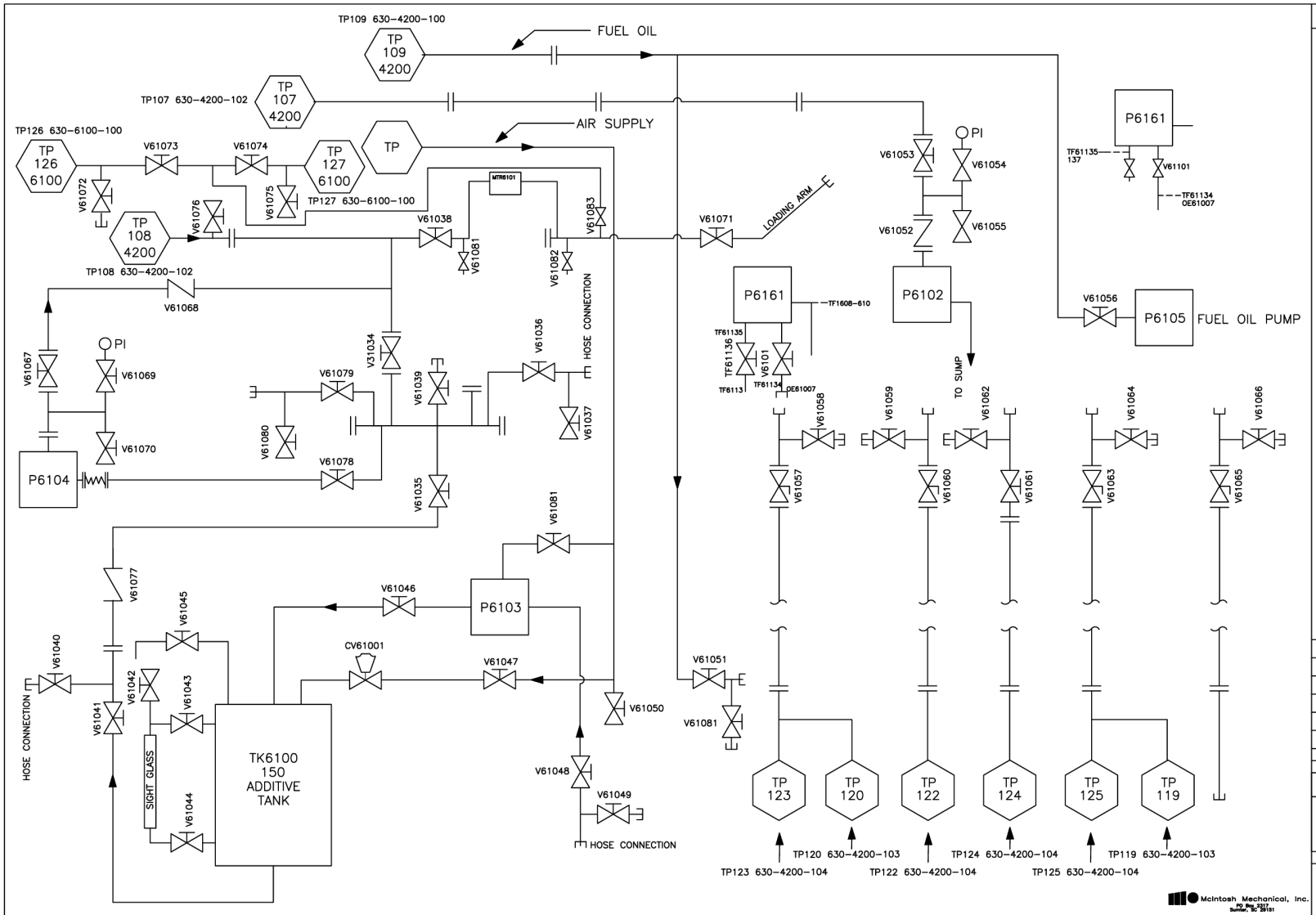
SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	J.L.EE				5-20-95

LEXINGTON S.C.

DRAWING NO.

REV 0



NOTES

6100

V = 61034 - 61081

CV61001

P = 6102 - 6105

TP107 630-4200-102
TP108 630-4200-102
TP109 630-4200-102
TP119 630-4200-103
TP120 630-4200-103
TP122 630-4200-104
TP123 630-4200-104
TP124 630-4200-104
TP125 630-4200-104
TP126 630-6100-100
TP127 630-6100-100

NO.	DESCRIPTION	BY	CK. APPR.	PROJ MGR APPR.	PROCESS APPR.	DATE
1	ADDED 150 LOAD METER					3/18/96

REVISIONS

PROPRIETARY STATEMENT

DF=6100-101

PIPING AND VALVE SCHEMATIC
P & ID

11 COOLING WATER SUPPLY	15 STEAM CONDENSATE RETURN	21 NITROGEN	27 VENT TO ATMOSPHERE	35 TREATED BFW	38 PLANT AIR
12 COOLING WATER RETURN	16 INSTRUMENT AIR	22 BLOWDOWN/FLARE	31 WATER SEWER	36 SEAL OIL SUPPLY	39 CHILLED WATER SUPPLY
13 STEAM SUPPLY	19 NATURAL GAS	24 PLANT WATER	32 DISCHARGE TO GRADE	37 SEAL OIL RETURN	40 CHILLED WATER RETURN

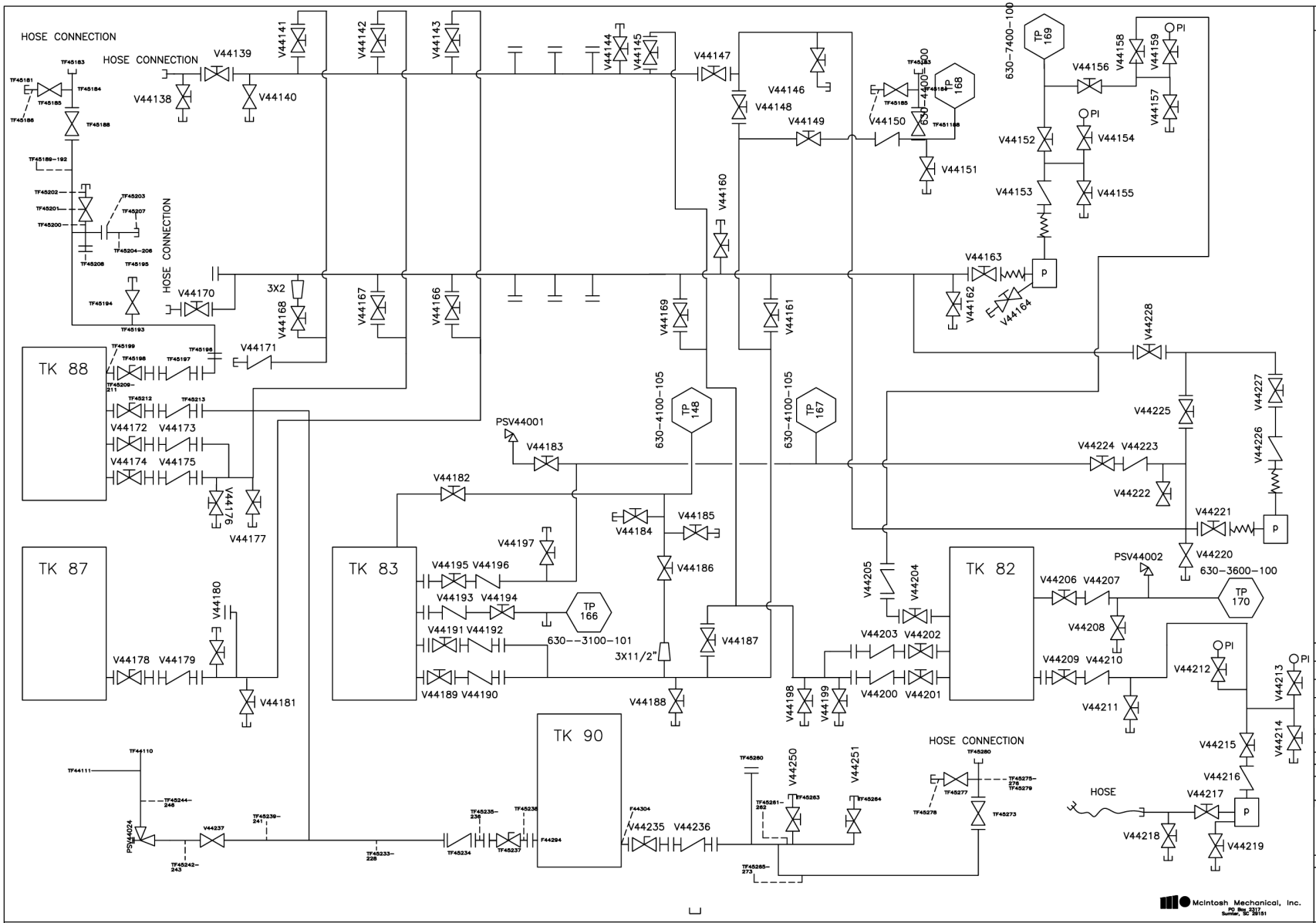
SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	R.LEE				5-20-95

LEXINGTON, SC
RECYCLE CENTER

DRAWING NO. 630-6100-101

REV 0



NOTES

4400
V-44138–V44228
PSV44001–PSV44002

TP148 630–4100–105
TP166 630–3100–101
TP167 630–4100–105
TP168 630–4400–100
TP169 630–7400–100
TP170 630–3600–100

NO.	DESCRIPTION	BY	PRELIMGR CK.	PROCESS APPR.	PROCESS APPR.	DATE
	REVISIONS					

PROPRIETARY STATEMENT

DF=4400–102

PIPING AND VALVE SCHEMATIC
P & ID

McIntosh Mechanical, Inc.
PO Box 4317
Sumter, SC 29151

11	COOLING WATER SUPPLY	15	STEAM CONDENSATE RETURN	21	NITROGEN	27	VENT TO ATMOSPHERE	35	TREATED BFW	38	PLANT AIR
12	COOLING WATER RETURN	16	INSTRUMENT AIR	22	BLOWDOWN/FLARE	31	WATER SEWER	36	SEAL OIL SUPPLY	39	CHILLED WATER SUPPLY
13	STEAM SUPPLY	19	NATURAL GAS	24	PLANT WATER	32	DISCHARGE TO GRADE	37	SEAL OIL RETURN	40	CHILLED WATER RETURN

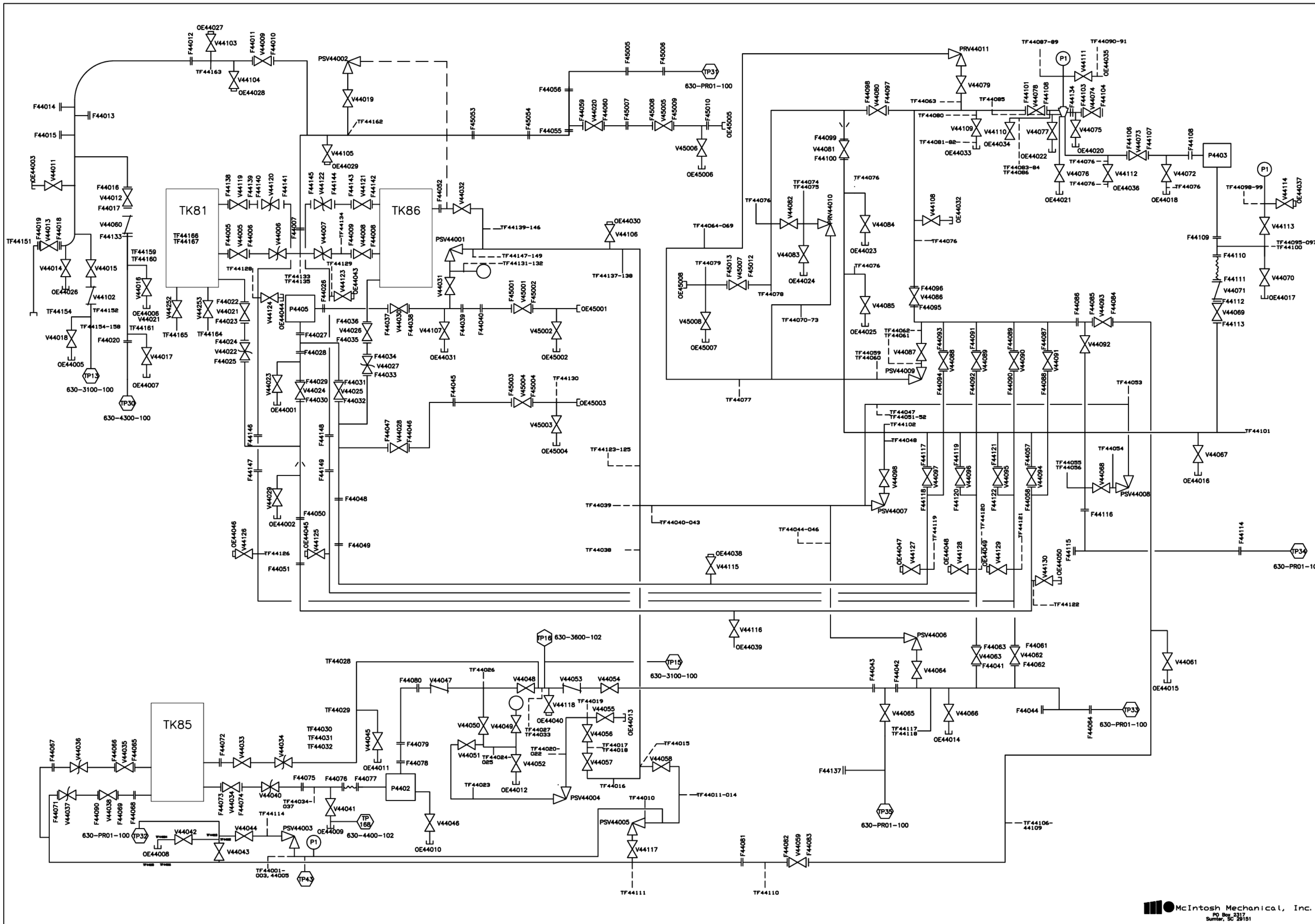
SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	R.LEE				10-5-94

LEXINGTON, SC RECYCLE CENTER

DRAWING NO. 630-4400-102

REV 0



NOTES

4400	4500
V=1–98, 102–130	V= 1–8
F=1–122, 133–134, 137–149	F= 1–13
OE=1–40, 43–50	OE= 1–8
STR=1	
PRV=1–11	
P=2–3, 5	
TK=81, 85–86	

TP13 630–3100–100
TP15 630–3100–100
TP16 630–3600–102
TP30 630–4300–100
TP31 630–PR01–100
TP32 630–PR01–100
TP33 630–PR01–100
TP34 630–PR01–100
TP35 630–PR01–100
TP168 630–4400–102

11	COOLING WATER SUPPLY	15	STEAM CONDENSATE RETURN	21	NITROGEN
12	COOLING WATER RETURN	16	INSTRUMENT AIR	22	BLOWDOWN/FLARE
13	STEAM SUPPLY	19	NATURAL GAS	24	PLANT WATER
27	VENT TO ATMOSPHERE	35	TREATED BFW	38	PLANT AIR
31	WATER SEWER	36	SEAL OIL SUPPLY	39	CHILLED WATER SUPPLY
32	DISCHARGE TO GRADE	37	SEAL OIL RETURN	40	CHILLED WATER RETURN

NO.	DESCRIPTION	BY / CK.	PROJ.MGR. APPR.	PROCESS APPR.	DATE

REVISIONS

PROPRIETARY STATEMENT

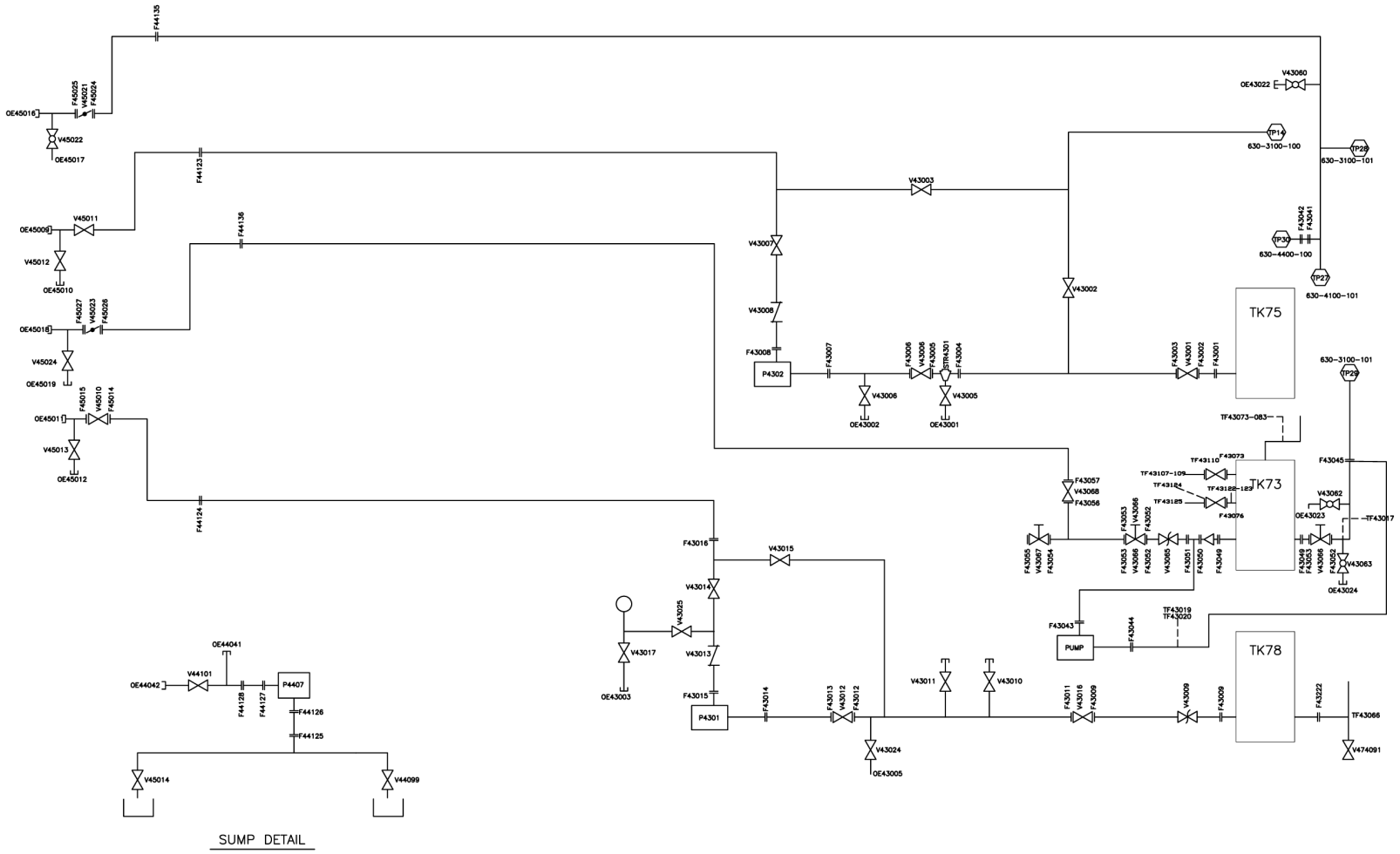
DF=4400–100

PIPING AND VALVE
SCHEMATIC
P & ID

SAFETY–KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	J.LEE				10-5-94

	DRAWING NO.	REV
LEXINGTON, SC RECYCLE CENTER	630–4400–100	0



NOTES

4300

V=1-17,24-25,60-68
F=1-16,41-57
OE=1-3,22-24
STR=1
P=1-2
TK=73,75,78

4400

V=99-101
F=123-128,135-136
OE=41-42

4500

V=10-14,21-24
F=14-15,24-27
OE=9-12,16-19

TP27 630-4100-101
TP28 630-3100-101
TP29 630-3100-101
TP30 630-4400-100

NO.	DESCRIPTION	BY	CK.	PROJ MGR APPR.	PROCESS APPR.	DATE

REVISIONS

PROPRIETARY STATEMENT

DF=4300-100

PIPING AND VALVE
SCHEMATIC
P & ID

McIntosh Mechanical, Inc.
PO Box 2317
Sumter, SC 29151

11	COOLING WATER SUPPLY	15	STEAM CONDENSATE RETURN	21	NITROGEN	27	VENT TO ATMOSPHERE	35	TREATED BFW	38	PLANT AIR
12	COOLING WATER RETURN	16	INSTRUMENT AIR	22	BLOWDOWN/FLARE	31	WATER SEWER	36	SEAL OIL SUPPLY	39	CHILLED WATER SUPPLY
13	STEAM SUPPLY	19	NATURAL GAS	24	PLANT WATER	32	DISCHARGE TO GRADE	37	SEAL OIL RETURN	40	CHILLED WATER RETURN

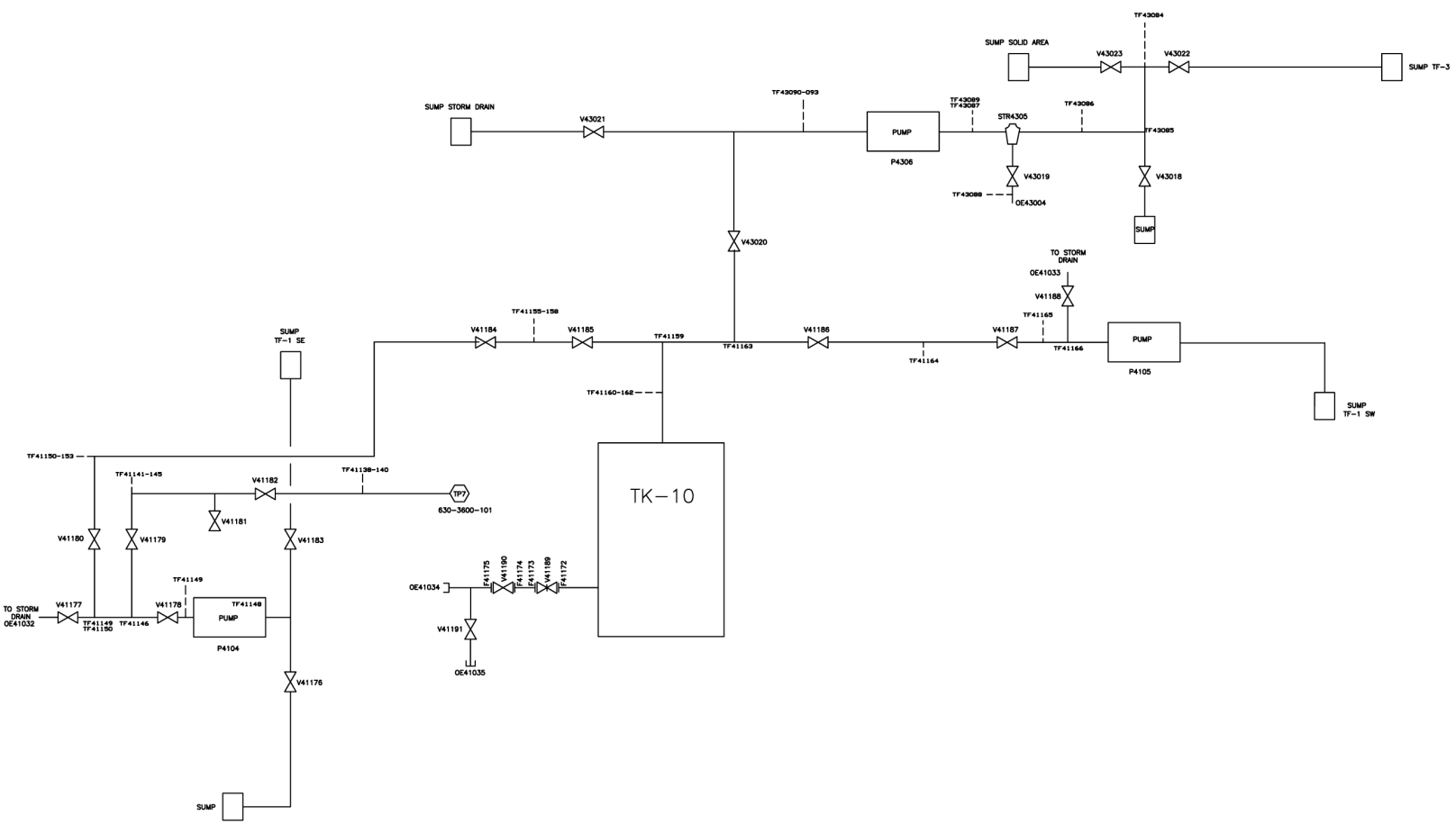
SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	J.LEE				10-5-94

LEXINGTON, SC RECYCLE CENTER

DRAWING NO. 630-4300-100

REV 0



NOTES

4100	4300
V=176-191	V=18-23
F=172-175	F
OE=32-35	OE=4
P=4-5	STR=5
TK=10	P=6

TP7 630-3600-101

NO.	DESCRIPTION	BY	CK.	PROJ MGR APPR.	PROCESS APPR.	DATE

REVISIONS

PROPRIETARY STATEMENT

AUTOCAD FILENAME: 4100-104.DWG

McIntosh Mechanical, Inc.
PO Box 3317
Sumter, SC 29151

PIPING AND VALVE SCHEMATIC

11	COOLING WATER SUPPLY	15	STEAM CONDENSATE RETURN	21	NITROGEN	27	VENT TO ATMOSPHERE	35	TREATED BFW	38	PLANT AIR
12	COOLING WATER RETURN	16	INSTRUMENT AIR	22	BLOWDOWN/FLARE	31	WATER SEWER	36	SEAL OIL SUPPLY	39	CHILLED WATER SUPPLY
13	STEAM SUPPLY	19	NATURAL GAS	24	PLANT WATER	32	DISCHARGE TO GRADE	37	SEAL OIL RETURN	40	CHILLED WATER RETURN

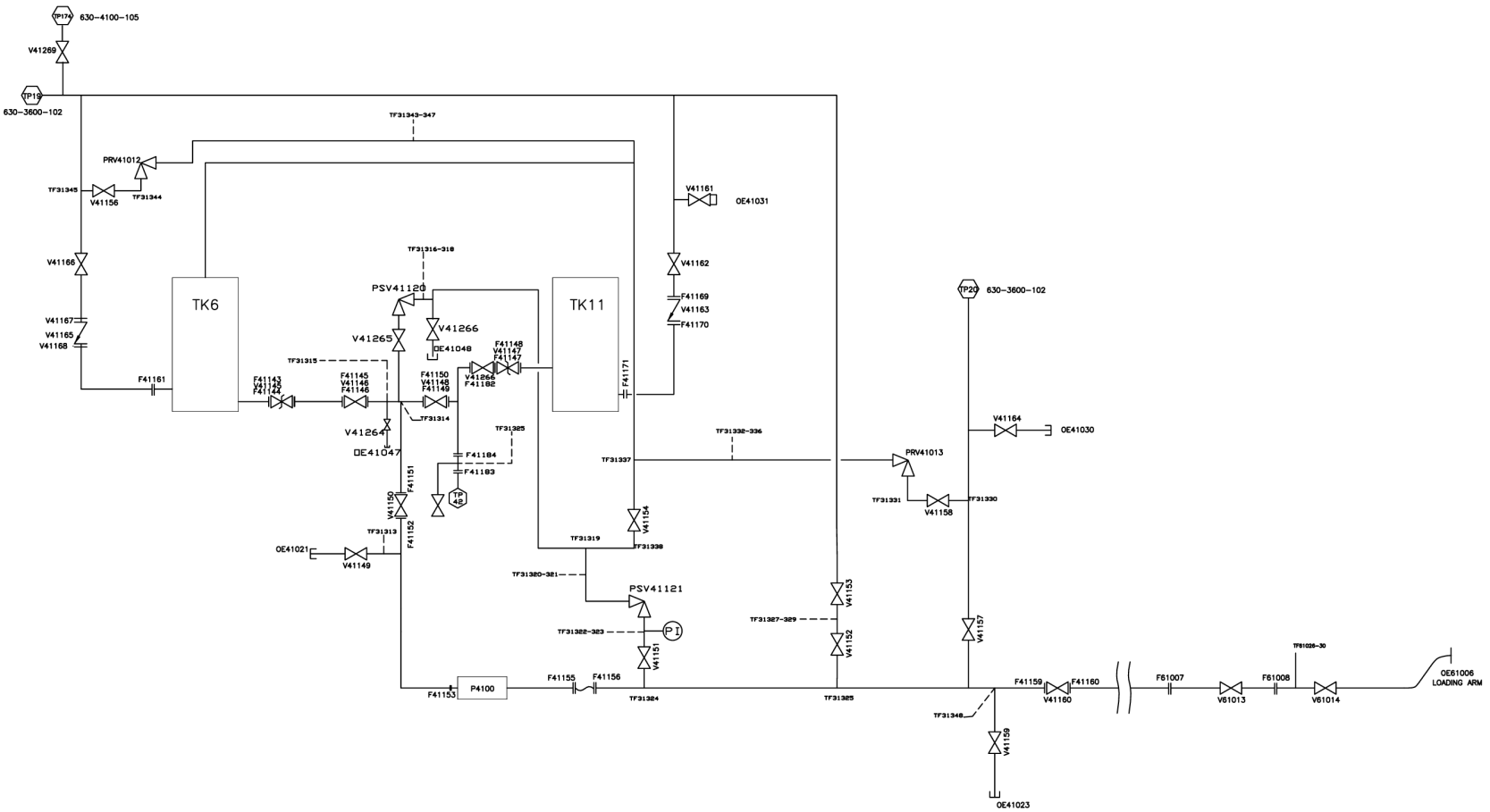
SAFETY-KLEEN CORP.

1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	J.L.E.E.				10-5-94

LEXINGTON S.C.

DRAWING NO. 630-4100-104 REV 0



NOTES

4100	6100
V = 145–166, 265,266	V = 13–14
F=143–161 167–171, 182–184	F = 7–8
OE=21–23 30–31	OE = 6
P=0	
PSV=11–13, 20,21	
TK=6,11	

TP19 630–3600–102
TP20 630–3600–102
TP42 630–4100–100
TP174 630–4100–105

NO.	DESCRIPTION	BY	CK.	PROJ MGR APPR.	PROCESS APPR.	DATE

REVISIONS

PROPRIETARY STATEMENT

AUTOCAD FILENAME: 4100-103.DWG

McIntosh Mechanical, Inc.
PO Box 3317
Sumter, SC 29151

PIPING AND VALVE SCHEMATIC

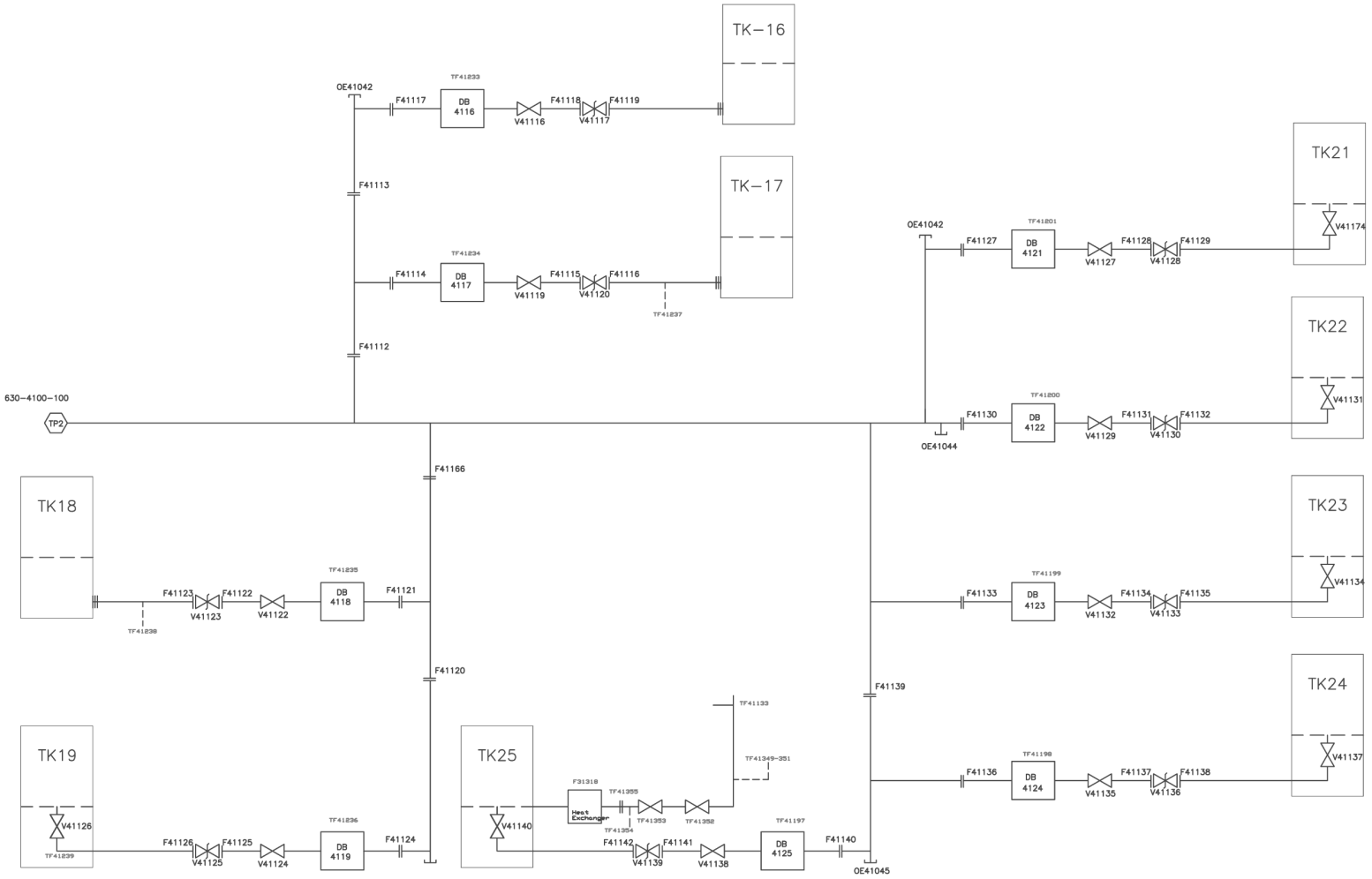
11	COOLING WATER SUPPLY	15	STEAM CONDENSATE RETURN	21	NITROGEN	27	VENT TO ATMOSPHERE	35	TREATED BFW	38	PLANT AIR
12	COOLING WATER RETURN	16	INSTRUMENT AIR	22	BLOWDOWN/FLARE	31	WATER SEWER	36	SEAL OIL SUPPLY	39	CHILLED WATER SUPPLY
13	STEAM SUPPLY	19	NATURAL GAS	24	PLANT WATER	32	DISCHARGE TO GRADE	37	SEAL OIL RETURN	40	CHILLED WATER RETURN

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	J.LEE				10-5-94

LEXINGTON S.C.

DRAWING NO. 630-4100-103 REV 0



NOTES

4100

V = 116–140, 174–175

F = 112–142, 166

OE = 42–46

DB = 16–19
21–25

TK = 16–19
21–25

TP2 630–4100–100

NO.	DESCRIPTION	BY	CK.	PROJ.MGR. APPR.	PROCESS APPR.	DATE

REVISIONS

PROPRIETARY STATEMENT

AUTOCAD FILENAME: 4100-102.DWG

McIntosh Mechanical, Inc.
PO Box 3317
Sumter, SC 29151

PIPING AND VALVE SCHEMATIC

11	COOLING WATER SUPPLY	15	STEAM CONDENSATE RETURN	21	NITROGEN	27	VENT TO ATMOSPHERE	35	TREATED BFW	38	PLANT AIR
12	COOLING WATER RETURN	16	INSTRUMENT AIR	22	BLOWDOWN/FLARE	31	WATER SEWER	36	SEAL OIL SUPPLY	39	CHILLED WATER SUPPLY
13	STEAM SUPPLY	19	NATURAL GAS	24	PLANT WATER	32	DISCHARGE TO GRADE	37	SEAL OIL RETURN	40	CHILLED WATER RETURN

SAFETY-KLEEN CORP.

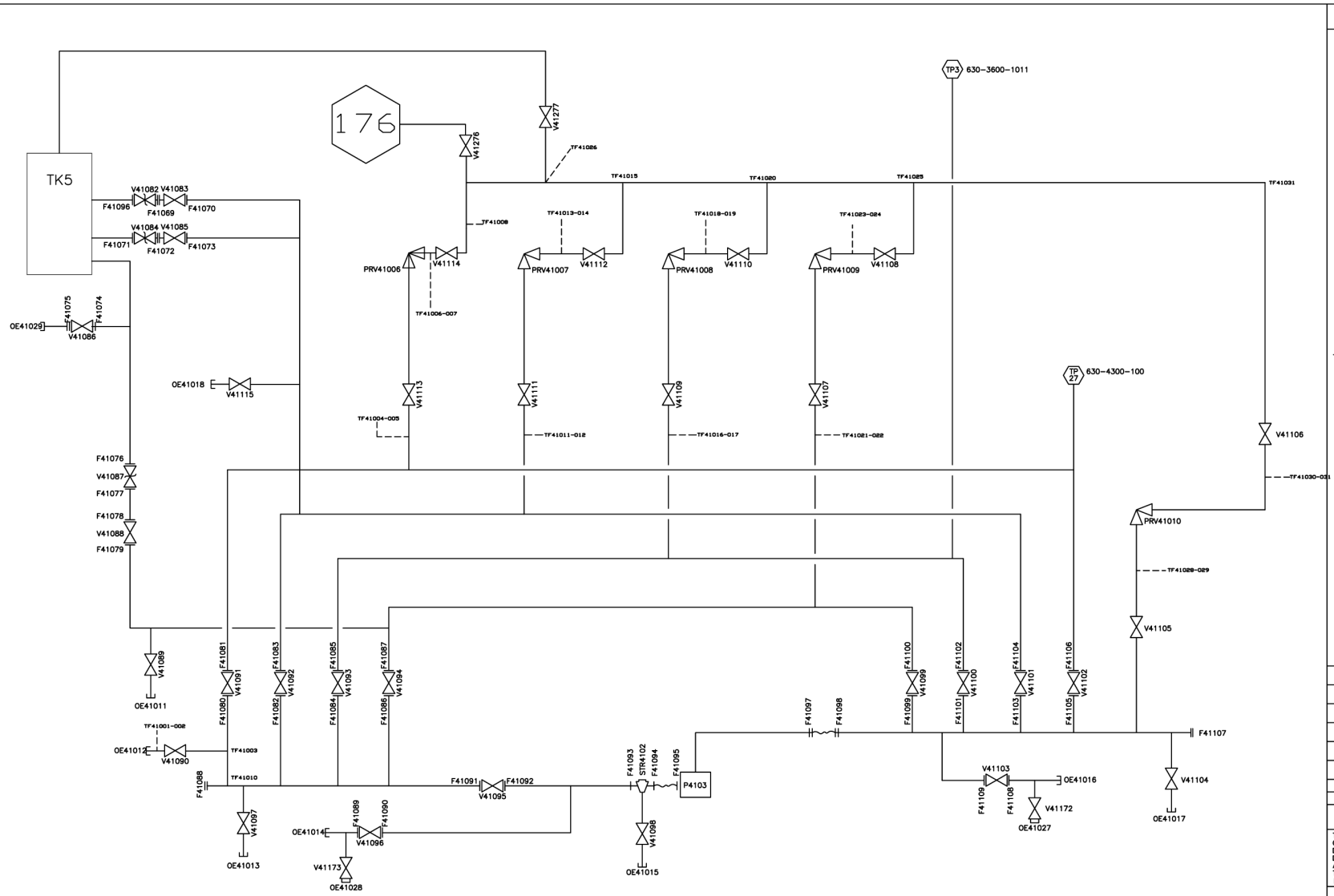
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	J.L.EE				10-5-94

LEXINGTON S.C.

DRAWING NO. 630-4100-102

REV 0



NOTES

4100

V = 82 – 115, 172–173

F = 69 – 109

OE = 11 – 18, 27–29

PRV = 6 – 10

STR = 2

P = 3

TK= 5

TP 3 630-3600-1011
TP 27 630-3600-100
TP176 630-4100-100

NO.	DESCRIPTION	BY	CK.	PRELIMGR APPR.	PROCESS APPR.	DATE
	REVISIONS					

PROPRIETARY STATEMENT

AUTOCAD FILENAME: 4100-101.DWG

McIntosh Mechanical, Inc.
PO Box 3317
Sumter, SC 29151

PIPING AND VALVE SCHEMATIC

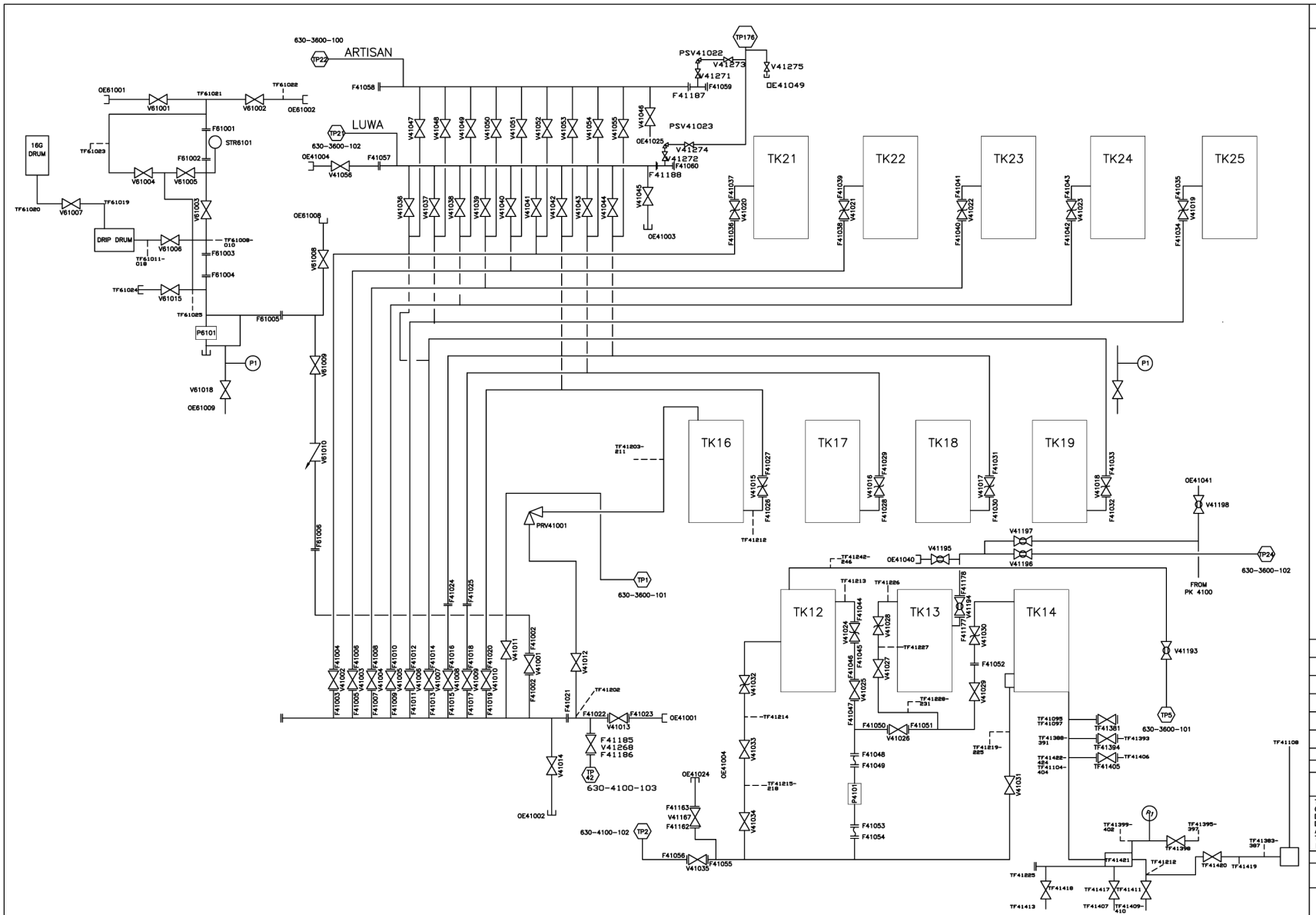
11 COOLING WATER SUPPLY	15 STEAM CONDENSATE RETURN	21 NITROGEN	27 VENT TO ATMOSPHERE	35 TREATED BFW	38 PLANT AIR
12 COOLING WATER RETURN	16 INSTRUMENT AIR	22 BLOWDOWN/FLARE	31 WATER SEWER	36 SEAL OIL SUPPLY	39 CHILLED WATER SUPPLY
13 STEAM SUPPLY	19 NATURAL GAS	24 PLANT WATER	32 DISCHARGE TO GRADE	37 SEAL OIL RETURN	40 CHILLED WATER RETURN

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	J.LEE				10-5-94

LEXINGTON S.C.

DRAWING NO. 630-4100-101 REV 0



NOTES

4100	6100
V = 1–56, 167, 193–198	V = 1–10, 15–16, 18
F=1–60, 162–163, 177–178	F = 1–6
OE = 1–4, 24–25, 39–41	OE = 1–3, 8–9
PRV = 1	STR=1
P=1	P=1
TK= 12–14, 16–19, 21–25	

TP1 630-3600-101
TP2 630-4100-102
TP5 630-3600-101
TP21 630-3600-102
TP22 630-3600-100
TP24 630-3600-102
TP176 4100-101

NO.	DESCRIPTION	BY	CHK.	ENG/MGR APPR.	PROCESS APPR.	DATE

REVISIONS

PROPRIETARY STATEMENT

AUTOCAD FILENAME: 4100-100.DWG

McIntosh Mechanical, Inc.
PO Box 2317
Sumter, SC 29151

PIPING AND VALVE SCHEMATIC

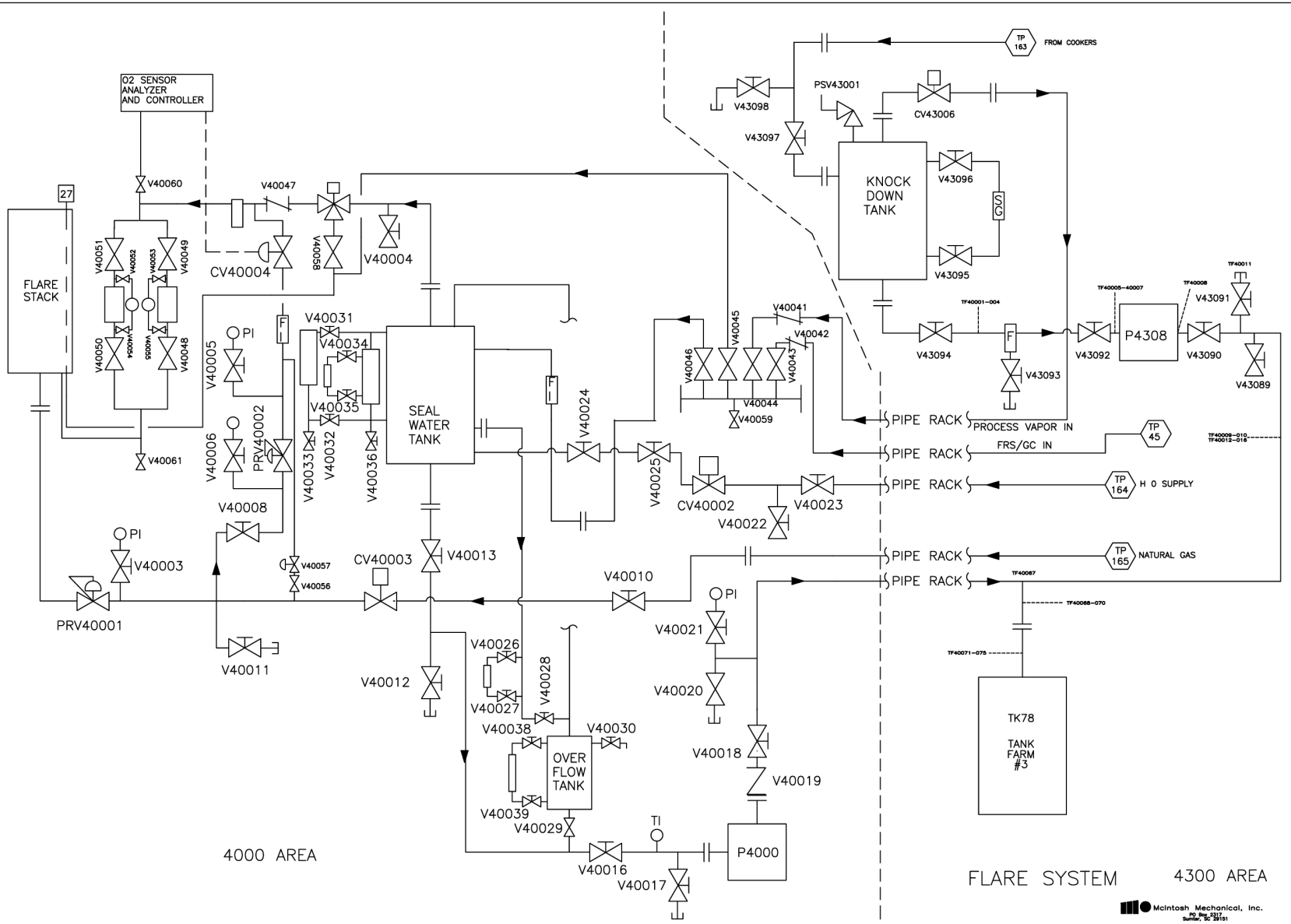
11	COOLING WATER SUPPLY	15	STEAM CONDENSATE RETURN	21	NITROGEN	27	VENT TO ATMOSPHERE	35	TREATED BFW	38	PLANT AIR
12	COOLING WATER RETURN	16	INSTRUMENT AIR	22	BLOWDOWN/FLARE	31	WATER SEWER	36	SEAL OIL SUPPLY	39	CHILLED WATER SUPPLY
13	STEAM SUPPLY	19	NATURAL GAS	24	PLANT WATER	32	DISCHARGE TO GRADE	37	SEAL OIL RETURN	40	CHILLED WATER RETURN

SAFETY-KLEEN CORP.

1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	J.LEE				10-5-94

LEXINGTON S.C. | DRAWING NO. 630-4100-100 | REV 0



NOTES

4000

V40001–V40058
CV40001–CV40004
P4001 AND P4308
PRV40001–PRV40002

4300

V43089–V43098
CV43006
PSV43001

TP163
TP164
TP165

DELETE V40002, V40007, V40009

NO.	DESCRIPTION	BY	CK.	ENG. APPR.	MFG/PROCESS APPR.	DATE

REVISIONS

DF=4000-100

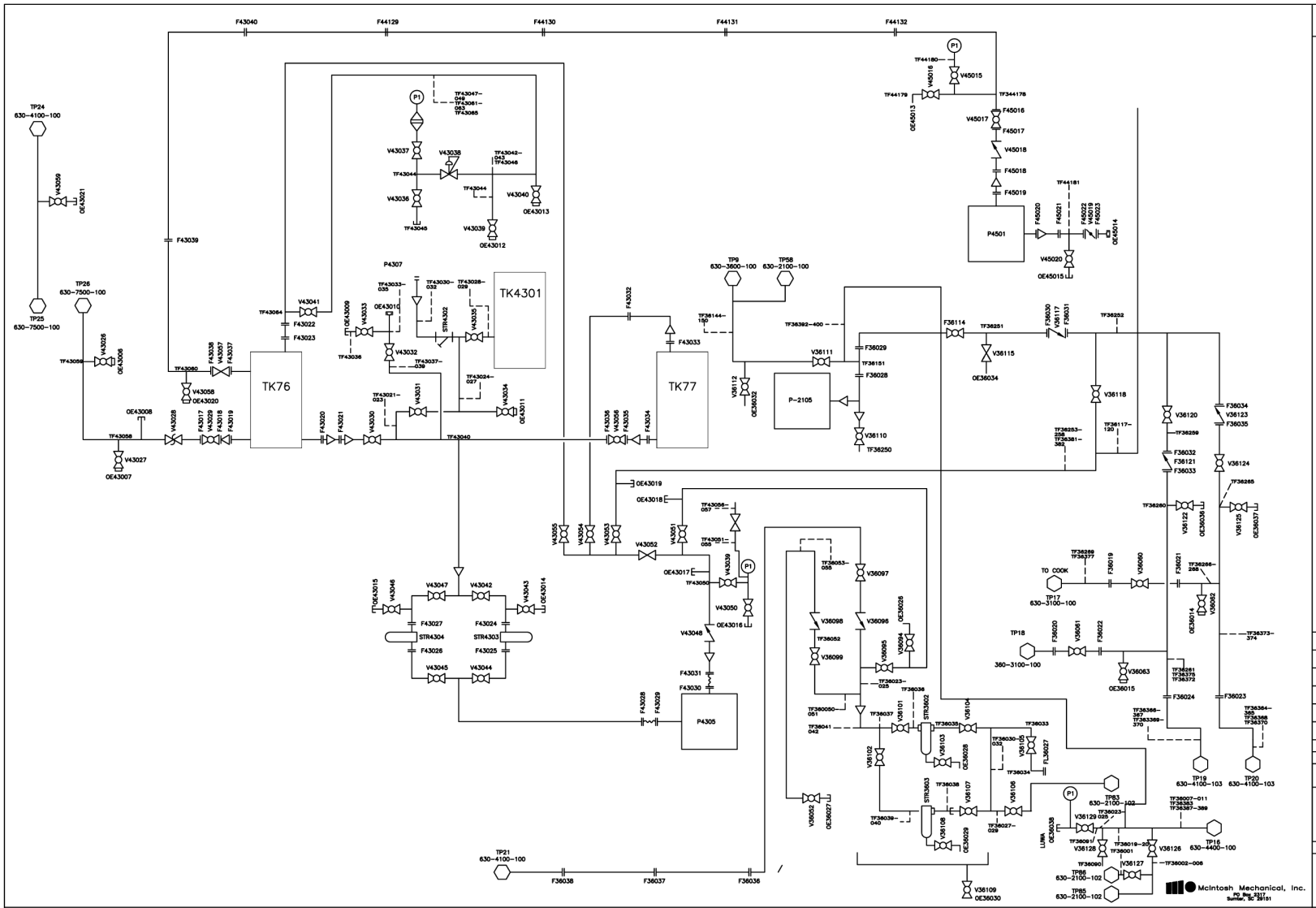
PIPING AND VALVE SCHEMATIC P & ID

11	COOLING WATER SUPPLY	15	STEAM CONDENSATE RETURN
12	COOLING WATER RETURN	16	INSTRUMENT AIR
13	STEAM SUPPLY	19	NATURAL GAS
21	NITROGEN	27	VENT TO ATMOSPHERE
22	BLOWDOWN/FLARE	31	WATER SEWER
24	PLANT WATER	32	DISCHARGE TO GRADE
35	TREATED BFW	38	PLANT AIR
36	SEAL OIL SUPPLY	39	CHILLED WATER SUPPLY
37	SEAL OIL RETURN	40	CHILLED WATER RETURN

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	R.LEE				10-5-94

LEXINGTON, SC RECYCLE CENTER — DRAWING NO. 630-4000-100 — REV 0



NOTES

3600

V = 60 – 63, 94 – 112, 114–115, 117–125
F = 19 – 24
OE = 27 – 38
STR = 14 – 15, 26 – 37, 2 – 3
P = 5

4300

V = 26 – 59
F = 17 – 40
OE = 6 – 21
STR = 2 – 4
P = 5, 7
TK = 1, 76 – 77

4400

F = 129 – 132

4500

V = 15 – 20
F = 16 – 23
OE = 13 – 15
P = 1

TP9	630–3600–100
TP11	630–3100–100
TP16	630–4400–100
TP17	630–3100–100
TP18	630–3100–100
TP19	630–4100–103
TP20	630–4100–103
TP21	630–4100–100
TP23	630–3600–100
TP24	630–4100–100
TP25	630–7500–100
TP26	630–7500–100
TP58	630–2100–100
TP83	630–2100–102
TP85	630–2100–102
TP86	630–2100–102

NO.	DESCRIPTION	BY	CK	ENGINEER APPR.	PROCESS APPR.	DATE
	REVISIONS					

PROPRIETARY STATEMENT

DF=3600–102

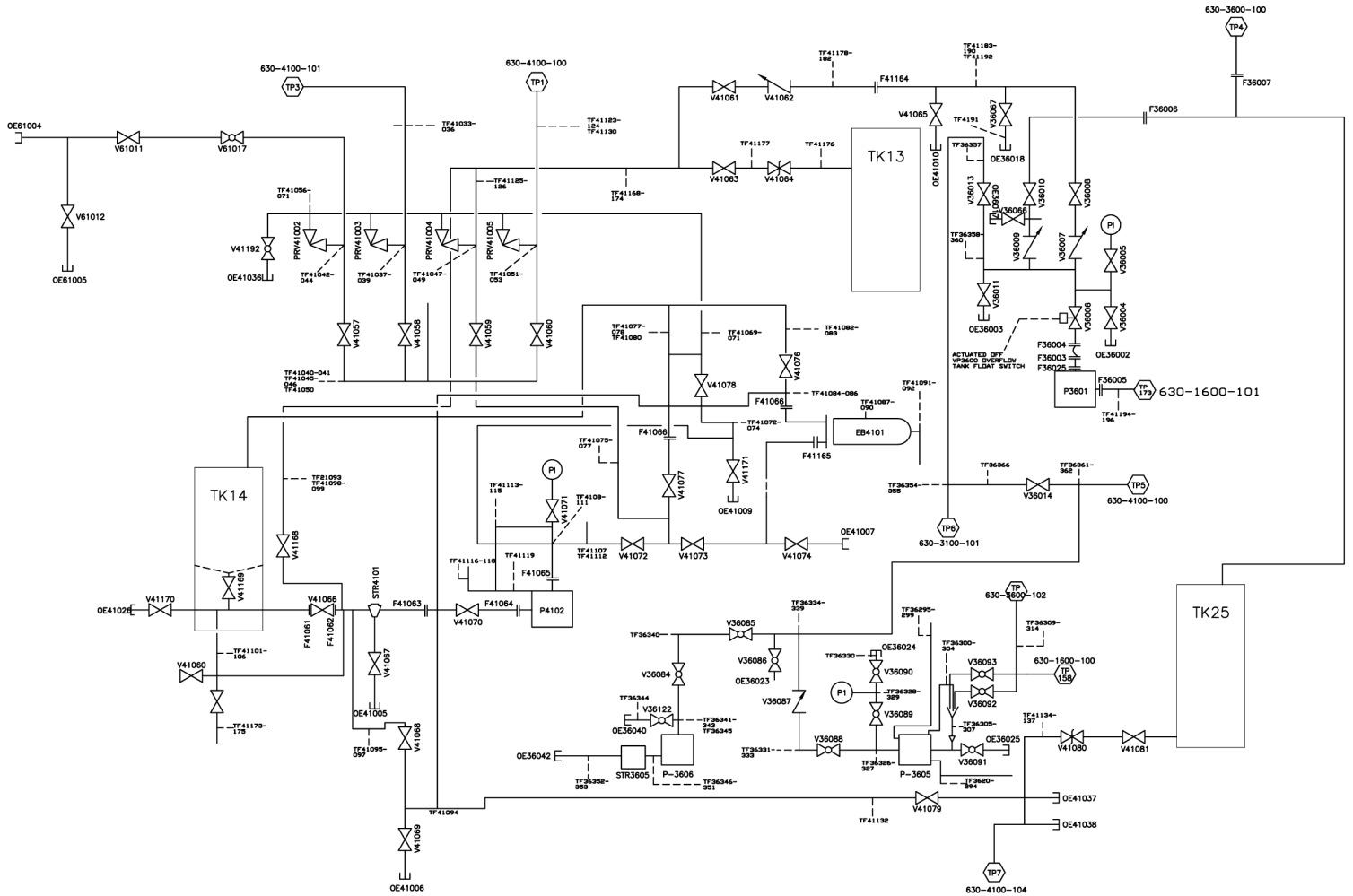
PIPING AND VALVE SCHEMATIC
P & ID

11	COOLING WATER SUPPLY	15	STEAM CONDENSATE RETURN	21	NITROGEN	27	VENT TO ATMOSPHERE	35	TREATED BFW	38	PLANT AIR
12	COOLING WATER RETURN	16	INSTRUMENT AIR	22	BLOWDOWN/FLARE	31	WATER SEWER	36	SEAL OIL SUPPLY	39	CHILLED WATER SUPPLY
13	STEAM SUPPLY	19	NATURAL GAS	24	PLANT WATER	32	DISCHARGE TO GRADE	37	SEAL OIL RETURN	40	CHILLED WATER RETURN

SAFETY–KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697–8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	J.LEE				02–22–95

LEXINGTON, SC RECYCLE CENTER | DRAWING NO. 630–3600–102 | REV 0



NOTES

3600

V= 1-14,64-67,84-93
F= 1-7,25
OE= 1-3,16-18,23-25
P= 1,5-6
STR= 1

4100

V= 57-81,168-171,192
F= 61-68,164-165
OE= 5-10,26,36-38
P= 2
PRV= 2-5
EB= 1
TK= 13-14,25

6100

V= 11-12,17
OE= 4,5

TP1 630-4100-100
TP3 630-4100-101
TP4 630-3600-100
TP5 630-4100-100
TP6 630-3100-101
TP7 630-4100-104
TP158 630-1600-100
TP173-630-1600-101

NO.	DESCRIPTION	BY	CK.	PRELIM/APPR.	PROCESS APPR.	DATE

REVISIONS

PROPRIETARY STATEMENT

AUTOCAD FILENAME: 3600-101.DWG

McIntosh Mechanical, Inc.
PO Box 3317
Sumter, SC 29151

PIPING AND VALVE SCHEMATIC

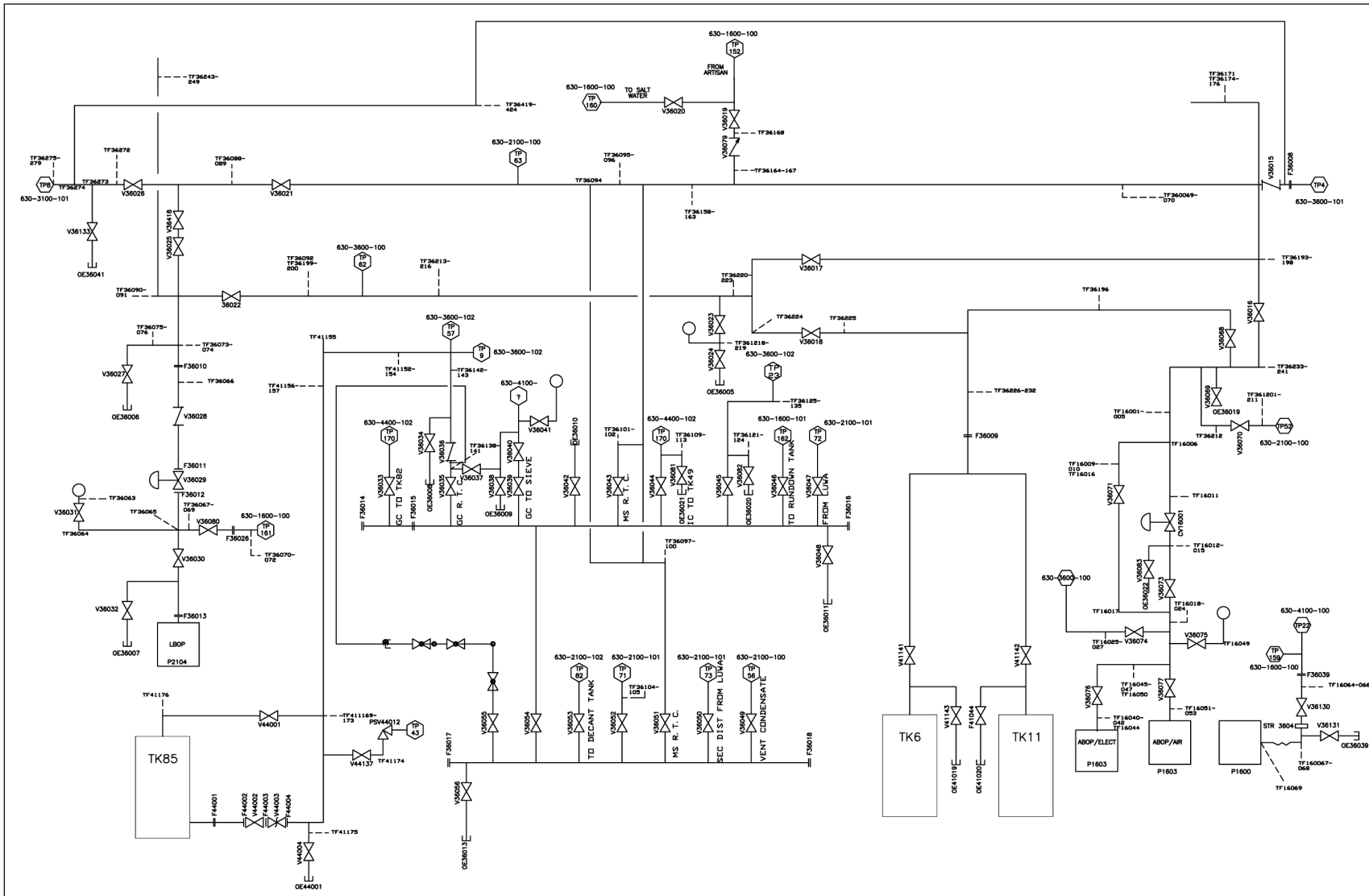
11	COOLING WATER SUPPLY	15	STEAM CONDENSATE RETURN	21	NITROGEN	27	VENT TO ATMOSPHERE	35	TREATED BFW	38	PLANT AIR
12	COOLING WATER RETURN	16	INSTRUMENT AIR	22	BLOWDOWN/FLARE	31	WATER SEWER	36	SEAL OIL SUPPLY	39	CHILLED WATER SUPPLY
13	STEAM SUPPLY	19	NATURAL GAS	24	PLANT WATER	32	DISCHARGE TO GRADE	37	SEAL OIL RETURN	40	CHILLED WATER RETURN

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	R.LEE				10-5-94

LEXINGTON S.C.

DRAWING NO. 630-3600-101 REV 0



NOTES

3600	4100
V=15–56, 68–77, 79–83,130–131 133	V=141–144
F=8–18, 26,39	OE=19–20
OE=5–13, 19–22 39,41	TK=6,11

4400	1600	2100
V=1–4	P=0,2–3	P=4
F=1–4		
OE=1		
TK=85		

TP4	630–3600–101
TP8	630–3100–101
TP9	630–3600–102
TP22	630–4100–100
TP23	630–3600–102
TP52	630–2100–100
TP56	630–2100–100
TP57	630–2100–100
TP62	630–2100–100
TP63	630–2100–100
TP71	630–2100–101
TP72	630–2100–101
TP73	630–2100–101
TP82	630–2100–102
TP152	630–1600–100
TP159	630–1600–100
TP160	630–1600–100
TP161	630–1600–100
TP162	630–1600–101
TP170	630–4400–102

NO.	DESCRIPTION	BY	CK.	PROJ MGR APPR.	PROCESS APPR.	DATE
	REVISIONS					

PROPRIETARY STATEMENT

AUTOCAD FILENAME: 3100–100.DWG

McIntosh Mechanical, Inc.
PO Box 3317
Sumter, SC 29151

PIPING AND VALVE SCHEMATIC

11	COOLING WATER SUPPLY	15	STEAM CONDENSATE RETURN	21	NITROGEN	27	VENT TO ATMOSPHERE	35	TREATED BFW	38	PLANT AIR
12	COOLING WATER RETURN	16	INSTRUMENT AIR	22	BLOWDOWN/FLARE	31	WATER SEWER	36	SEAL OIL SUPPLY	39	CHILLED WATER SUPPLY
13	STEAM SUPPLY	19	NATURAL GAS	24	PLANT WATER	32	DISCHARGE TO GRADE	37	SEAL OIL RETURN	40	CHILLED WATER RETURN

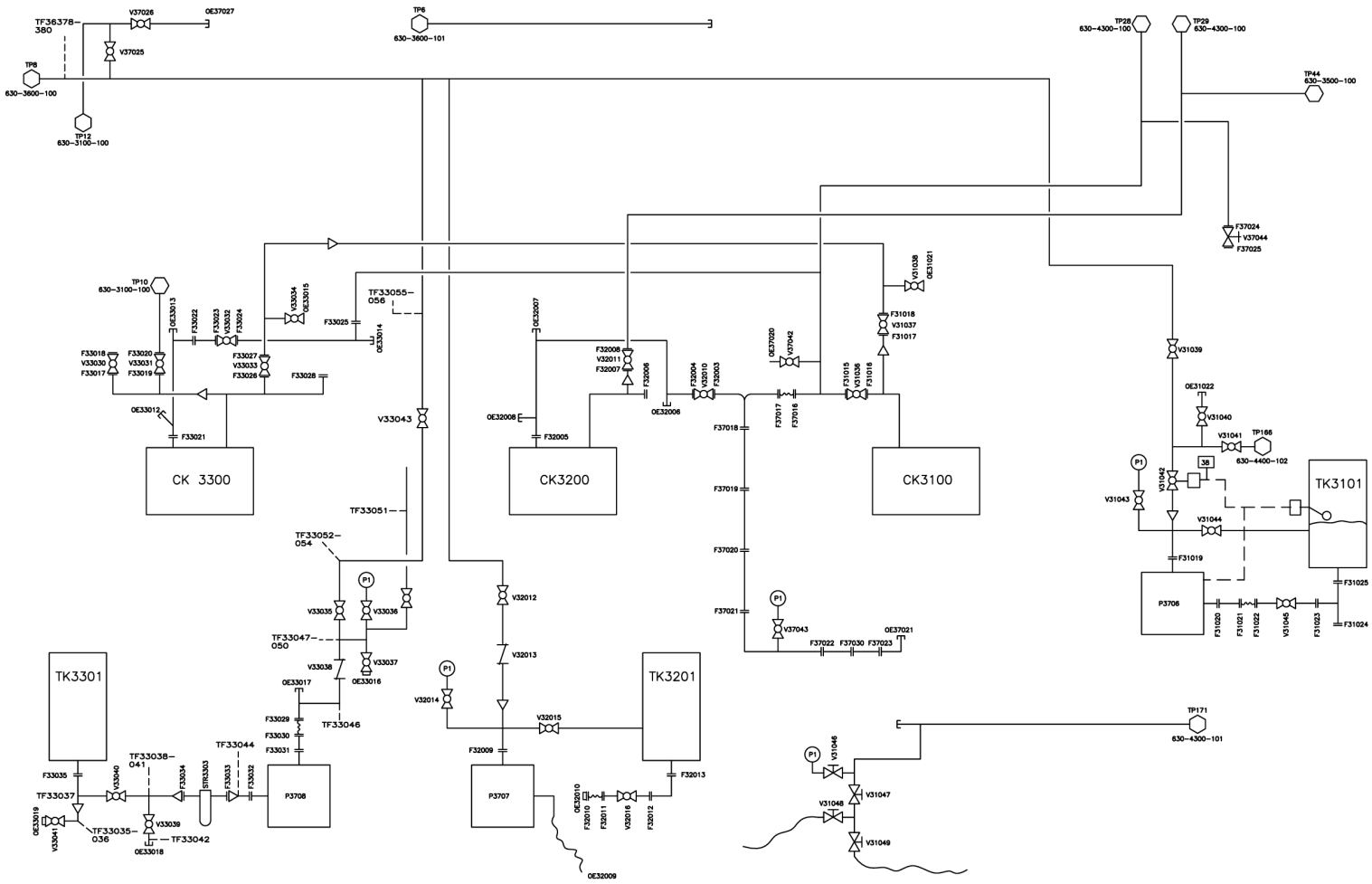
SAFETY–KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	J.LEE				10-5-94

LEXINGTON S.C.

DRAWING NO. 630–3600–100

REV 0



Mcintosh Mechanical, Inc.
PO Box 7317
Sumter, SC 29151

NOTES

3100
V = 36 – 49
F = 15 – 25
OE = 21 – 22

CK = 0
TK = 1

3200
V = 10 – 16
F = 3 – 13
OE = 6 – 10

CK = 0
TK = 1

3300
V = 30 – 41
F = 17 – 35
OE = 12 – 19
STR = 3
CK = 0
TK = 1

3700
V = 25 – 26; 42 – 48
F = 16 – 29
OE = 20 – 27
P = 6 – 8

TP6	630–3600–101
TP8	360–3600–100
TP10	360–3100–100
TP12	630–3100–100
TP28	360–4300–100
TP29	630–4300–100
TP166	360–4400–102
TP171	630–4300–101

NO.	DESCRIPTION	BY	CK. APPR.	PROJ.MGR./PROCESS APPR.	DATE
	REVISIONS				

PROPRIETARY STATEMENT

DF=3100-101

PIPING AND VALVE SCHEMATIC
P & ID

11	COOLING WATER SUPPLY	15	STEAM CONDENSATE RETURN	21	NITROGEN	27	VENT TO ATMOSPHERE	35	TREATED BFW	38	PLANT AIR
12	COOLING WATER RETURN	16	INSTRUMENT AIR	22	BLOWDOWN/FLARE	31	WATER SEWER	36	SEAL OIL SUPPLY	39	CHILLED WATER SUPPLY
13	STEAM SUPPLY	19	NATURAL GAS	24	PLANT WATER	32	DISCHARGE TO GRADE	37	SEAL OIL RETURN	40	CHILLED WATER RETURN

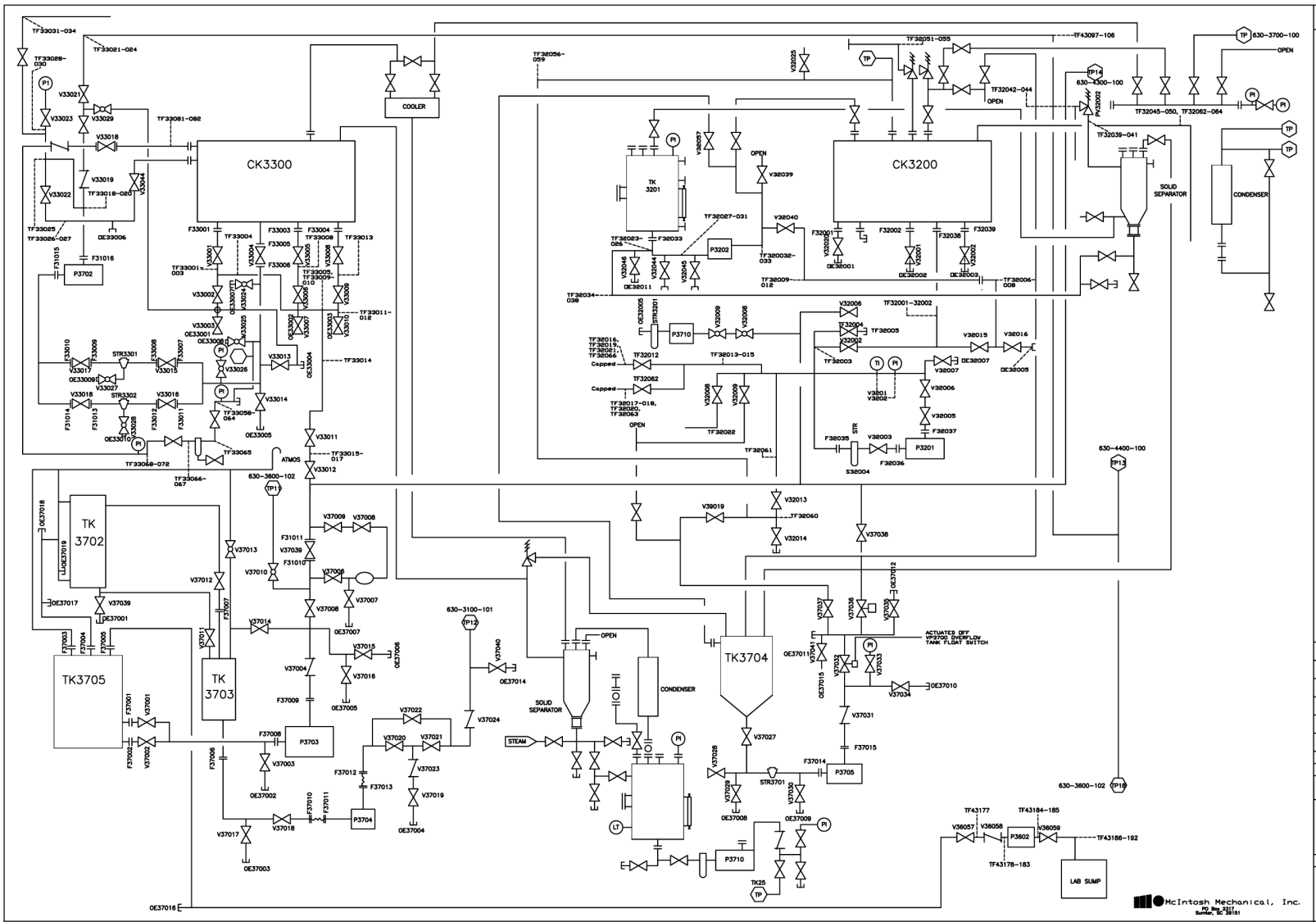
SAFETY–KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697–8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	J.LEE				02–22–95

LEXINGTON, SC RECYCLE CENTER

DRAWING NO. 630–3100–101

REV 0



NOTES

3100	3200	3300
V=1–35	V=1–9	V=1–29
F=1–14	F=11–2	F=1–16
OE=1–20	OE=1–5	OE=1–11
STR=1–2	STR=1	STR=1–2
CK=0	CK=0	CK=0

3600	3700
V=57–59	V=1–24,27–37
P=2	F=1–15
	OE=1–19
	STR=1
	P=1–5
	TK=1–4

TP10 630–3100–101
TP11 630–3600–102
TP12 630–3100–101
TP13 630–4400–100
TP14 630–4300–100
TP15 630–4400–100
TP17 630–3600–102
TP18 630–3600–102

NO.	DESCRIPTION	BY	CK.	ENG/MGR APPR.	PROCESS APPR.	DATE
1	PART 88 PERMIT MODIFICATIONS	JKV	CV			030502

REVISIONS

PROPRIETARY STATEMENT

DF=3100-100

PIPING AND VALVE SCHEMATIC
P & ID

11 COOLING WATER SUPPLY	15 STEAM CONDENSATE RETURN	21 NITROGEN	27 VENT TO ATMOSPHERE	35 TREATED BFW	38 PLANT AIR
12 COOLING WATER RETURN	16 INSTRUMENT AIR	22 BLOWDOWN/FLARE	31 WATER SEWER	36 SEAL OIL SUPPLY	39 CHILLED WATER SUPPLY
13 STEAM SUPPLY	19 NATURAL GAS	24 PLANT WATER	32 DISCHARGE TO GRADE	37 SEAL OIL RETURN	40 CHILLED WATER RETURN

SAFETY-KLEEN CORP.
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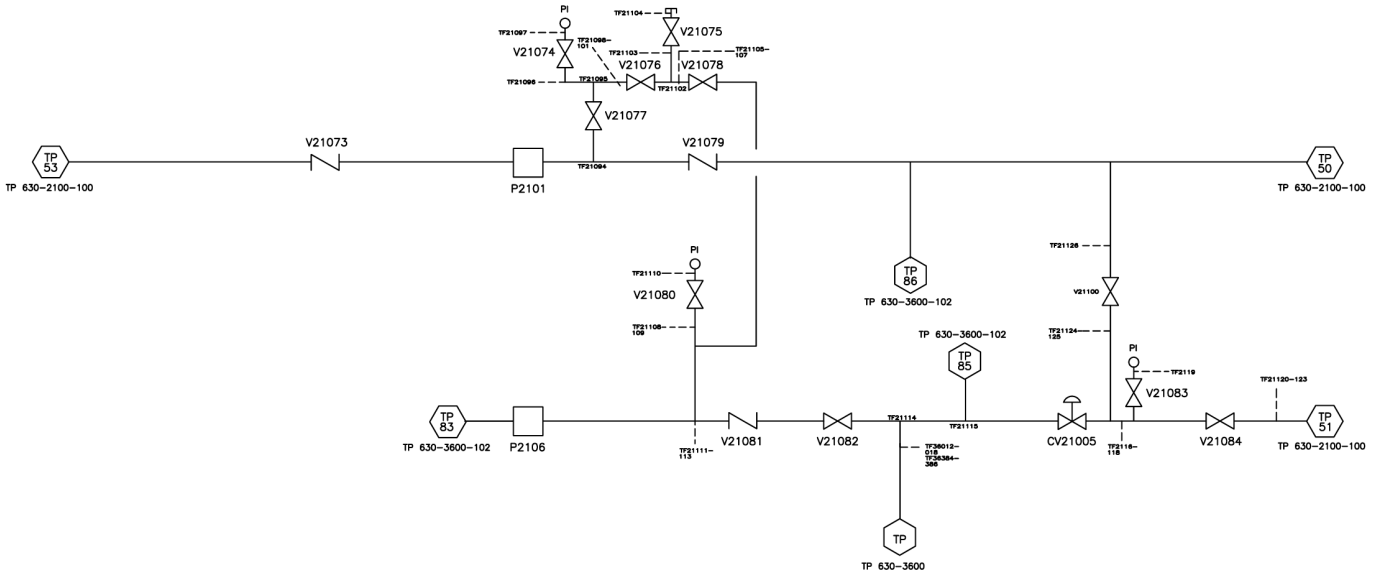
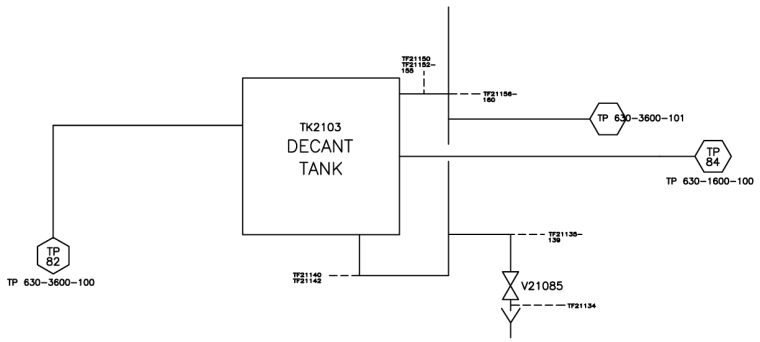
SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	JLEE				10-5-94

LEXINGTON, SC RECYCLE CENTER

DRAWING NO. 630-3100-100

REV 1





NOTES

2100

V21073–V21085
CV211008

TP50 – 630–2100–100
TP51 – 630–2100–100
TP53 – 630–2100–100
TP82 – 630–3600–100
TP83 – 630–3600–102
TP84 – 630–1600–100
TP85 – 630–3600–102
TP86 – 630–3600–102

NO.	DESCRIPTION	BY	CK.	PROJ MGR APPR.	PROCESS APPR.	DATE

REVISIONS

PROPRIETARY STATEMENT

AUTOCAD FILENAME: 2100-102.DWG

Mcintosh Mechanical, Inc.
PO Box 2317
Sumter, SC 29151

PIPING AND VALVE SCHEMATIC

11	COOLING WATER SUPPLY	15	STEAM CONDENSATE RETURN	21	NITROGEN	27	VENT TO ATMOSPHERE	35	TREATED BFW	38	PLANT AIR
12	COOLING WATER RETURN	16	INSTRUMENT AIR	22	BLOWDOWN/FLARE	31	WATER SEWER	36	SEAL OIL SUPPLY	39	CHILLED WATER SUPPLY
13	STEAM SUPPLY	19	NATURAL GAS	24	PLANT WATER	32	DISCHARGE TO GRADE	37	SEAL OIL RETURN	40	CHILLED WATER RETURN

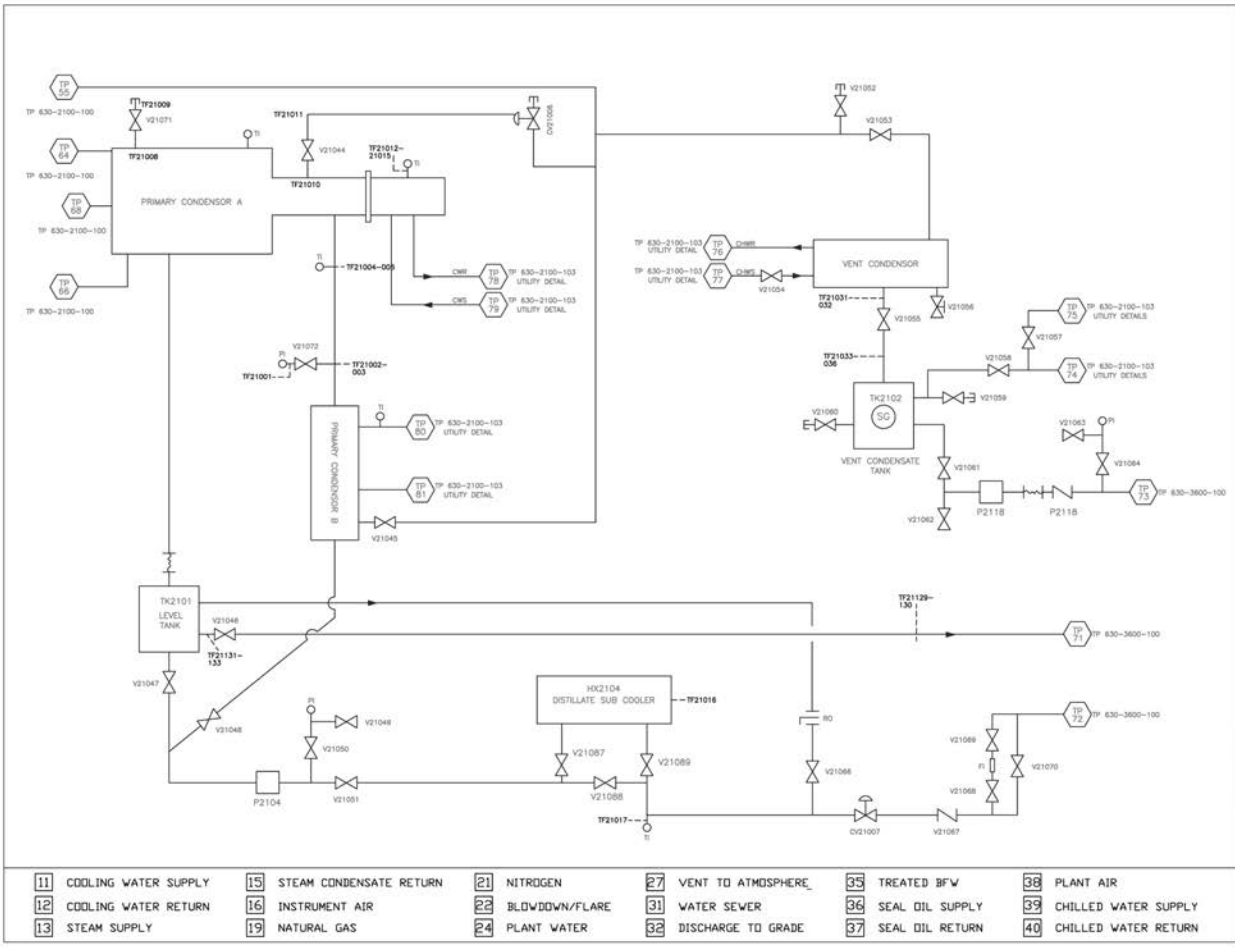
SAFETY–KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-0460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	R.LEE				7-26-95

LEXINGTON S.C.

DRAWING NO. 630–2100–102

REV 0



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2100

V21044-V21072
CV21006-CV21007

TP55 – 630-2100-100
TP64 – 630-2100-100
TP66 – 630-2100-100
TP68 – 630-2100-100
TP71 – 630-3600-100
TP72 – 630-3600-100
TP73 – 630-3600-100
TP74 – 630-2100-103
TP75 – 630-2100-103
TP76 – 630-2100-103
TP77 – 630-2100-103
TP78 – 630-2100-103
TP79 – 630-2100-103
TP80 – 630-2100-103
TP81 – 630-2100-103

NO.	DESCRIPTION	BY	CK	ENGINEER APPR.	CUSTOMER APPR.	DATE
	REVISIONS					

AUTOCAD FILENAME: 2100-101.DWG

McIntosh Mechanical, Inc.

PIPING AND VALVE SCHEMATIC

11	COOLING WATER SUPPLY	15	STEAM CONDENSATE RETURN	21	NITROGEN	27	VENT TO ATMOSPHERE	35	TREATED BFW
12	COOLING WATER RETURN	16	INSTRUMENT AIR	22	BLOWDOWN/FLARE	31	WATER SEWER	36	SEAL OIL SUPPLY
13	STEAM SUPPLY	19	NATURAL GAS	24	PLANT WATER	32	DISCHARGE TO GRADE	37	SEAL OIL RETURN
38	PLANT AIR								
39	CHILLED WATER SUPPLY								
40	CHILLED WATER RETURN								

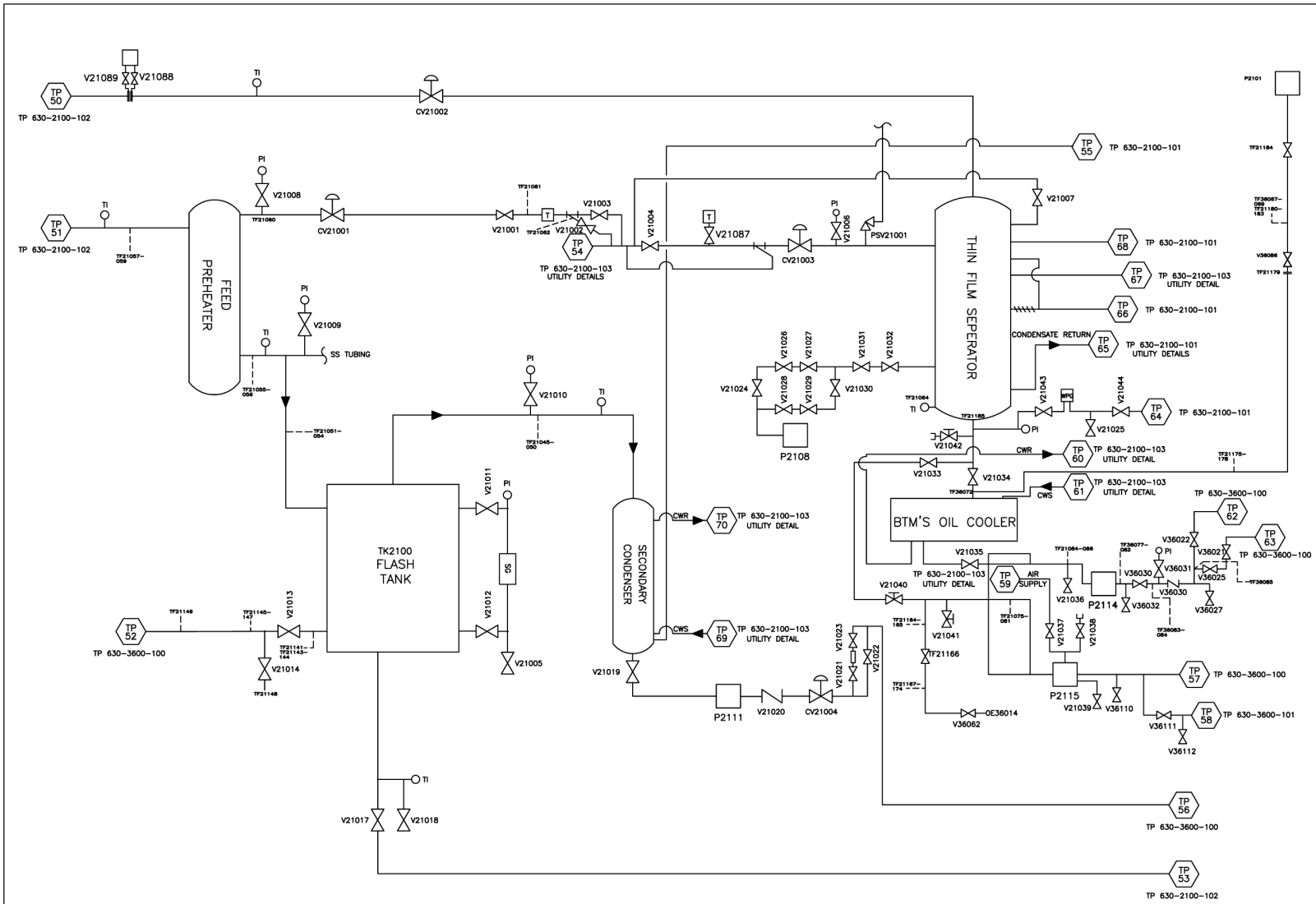
SAFETY-KLEEN CORP.

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR.	DATE
NONE	JALEE				7-26-95

LEXINGTON SC

DRAWING NO. 630-2100-101

REV 0



NOTES

2100

V21044–V21072
CV21006–CV21007
PSV21001

3600

V36021–V36022
V36025
V36027–36032
V36110–36112

TP50 – 630-2100-102
TP51 – 630-2100-102
TP52 – 630-3600-100
TP53 – 630-2100-102
TP54 – 630-2100-103
TP55 – 630-2100-101
TP56 – 630-3600-100
TP57 – 630-3600-100
TP58 – 630-3600-101
TP59 – 630-2100-103
TP60 – 630-2100-103
TP61 – 630-2100-103
TP62 – 630-3600-100
TP63 – 630-3600-100
TP64 – 630-2100-103
TP65 – 630-2100-103
TP66 – 630-2100-101
TP67 – 630-2100-103
TP68 – 630-2100-101
TP69 – 630-2100-103
TP70 – 630-2100-103

NO.	DESCRIPTION	BY	CK'D	PROJ.MGR. APPR.	PROCESS APPR.	DATE

REVISIONS

AUTOCAD FILENAME: 2100-100.DWG

McIntosh Mechanical, Inc.
PO Box 2317
Sumter, SC 29151

PIPING AND VALVE SCHEMATIC

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	J.LEE				7-26-95

LEXINGTON S.C.

DRAWING NO. 630-2100-100

REV 0

11	COOLING WATER SUPPLY	15	STEAM CONDENSATE RETURN	21	NITROGEN	27	VENT TO ATMOSPHERE	35	TREATED BFW	38	PLANT AIR
12	COOLING WATER RETURN	16	INSTRUMENT AIR	22	BLOWDOWN/FLARE	31	WATER SEWER	36	SEAL OIL SUPPLY	39	CHILLED WATER SUPPLY
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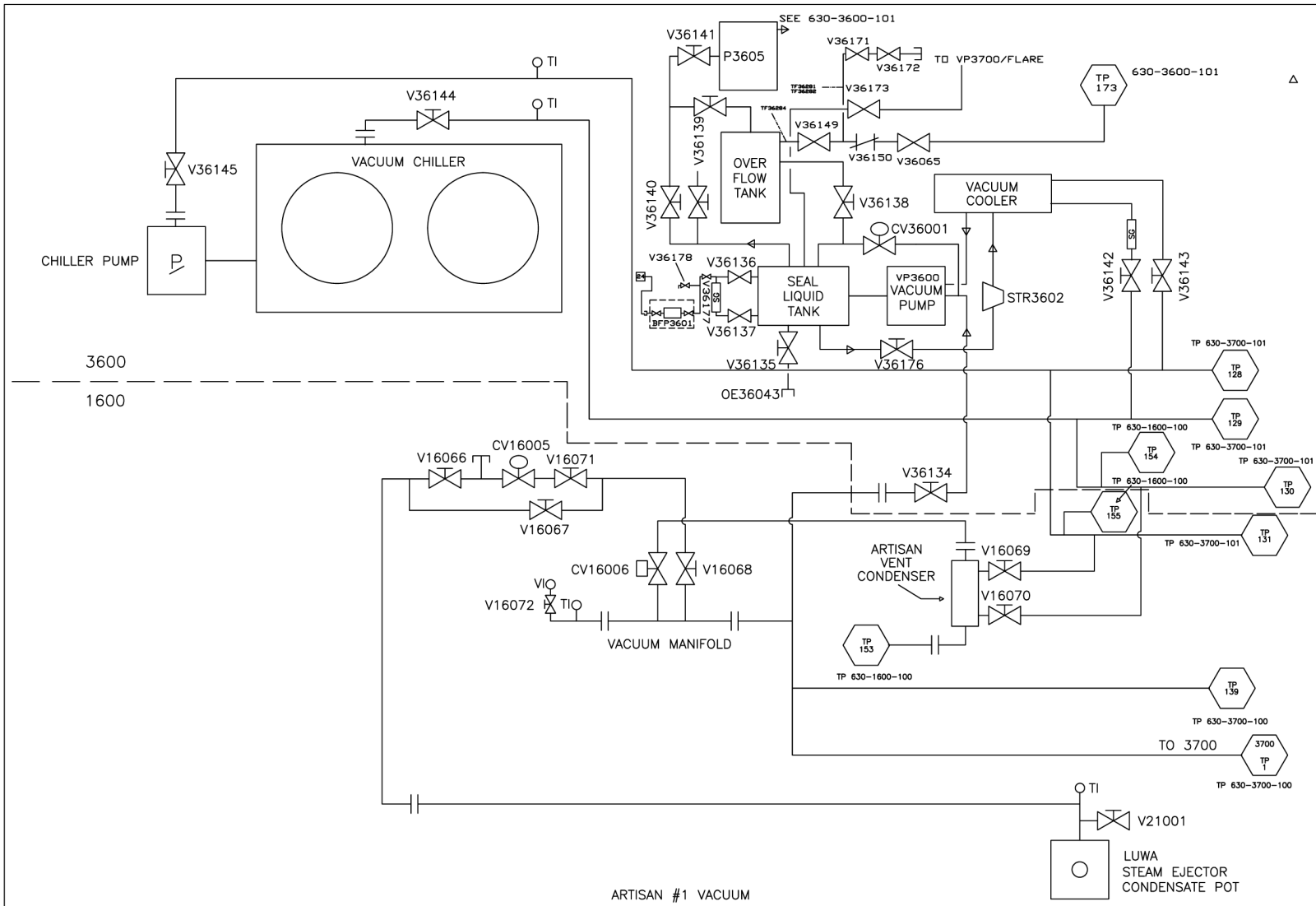

NOTES

1600
V-16066-16072
CV16005-16006

3600
V-36134-36145,36171,36172,36173
CV36001

2100
V-21001

TP 128 630-3700-101
TP 129 630-3700-101
TP 130 630-3700-101
TP 131 630-3700-101
TP 139 630-3700-100
TP 140 630-3700-100

TP 153 630-1600-100
TP 154 630-1600-100
TP 155 630-1600-100
TP 162 630-3600-100

NO.	DESCRIPTION	BY	CK.	PRELIMINARY APPR.	PROCESS APPR.	DATE

REVISIONS

PROPRIETARY STATEMENT

AUTOCAD FILENAME: 1600-101.DWG

McIntosh Mechanical, Inc.
PO Box 2317
Sumter, SC 29151

PIPING AND VALVE SCHEMATIC

11 COOLING WATER SUPPLY	15 STEAM CONDENSATE RETURN	21 NITROGEN	27 VENT TO ATMOSPHERE	35 TREATED BFW	38 PLANT AIR
12 COOLING WATER RETURN	16 INSTRUMENT AIR	22 BLOWDOWN/FLARE	31 WATER SEWER	36 SEAL OIL SUPPLY	39 CHILLED WATER SUPPLY
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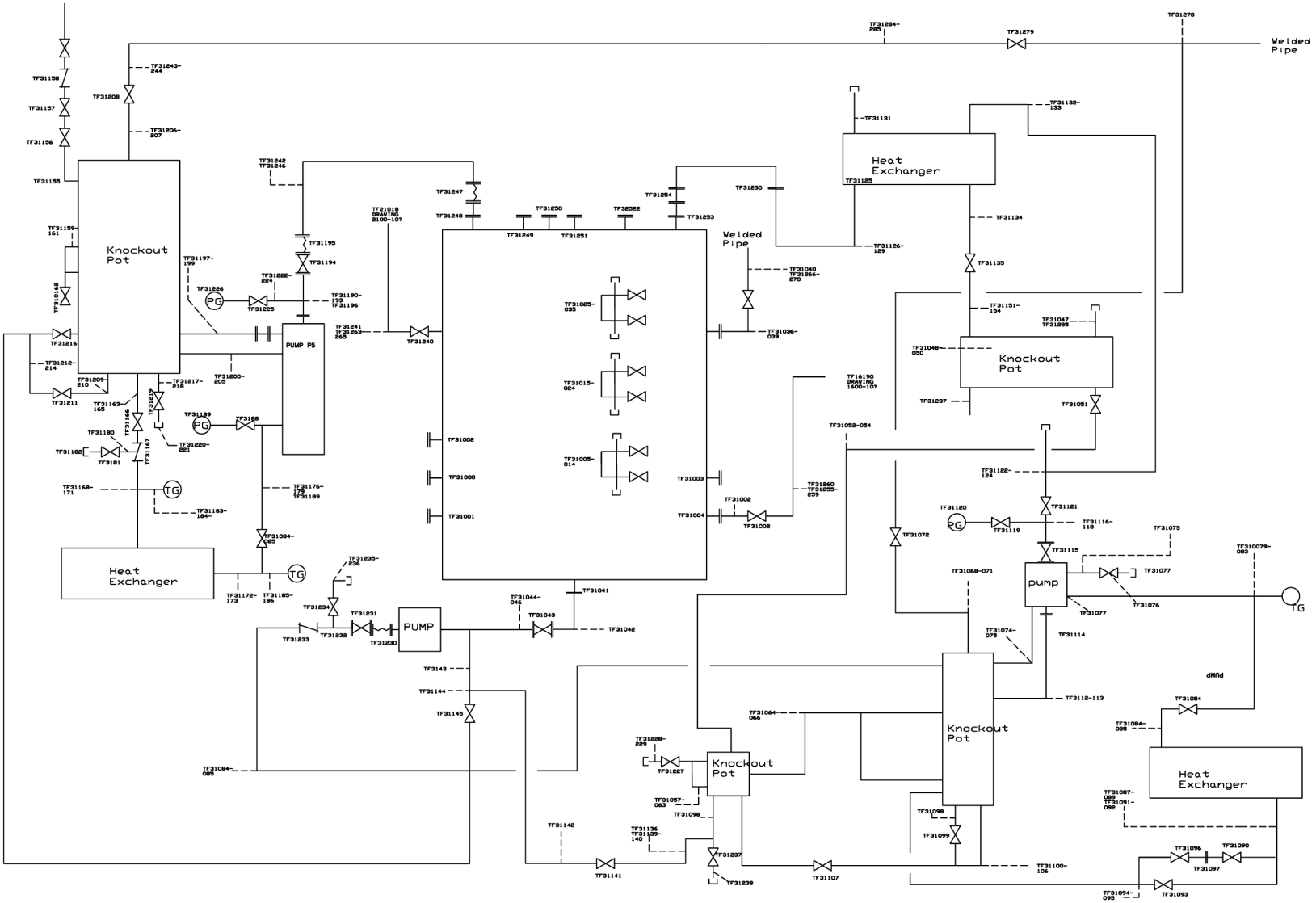
SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	J.LEE				5-20-95

LEXINGTON S.C.

DRAWING NO. 630-1600-101

REV 0



NOTES

NO.	DESCRIPTION	BY	CK.	PROJMGR APPR.	PROCESS APPR.	DATE
0	Vacuum System	RTP				

REVISIONS

PROPRIETARY STATEMENT

DF=4300-100

PIPING AND VALVE SCHEMATIC
P & ID

SAFETY-KLEEN CORP.
1000 NORTH RANDALL ROAD ELGIN, ILLINOIS 60123 PHONE (708) 697-8460

SCALE	DRAWN	CHECKED	APPR.	OPERATION APPR	DATE
NONE	J.LEE				10-5-94

	DRAWING NO.	REV
LEXINGTON, SC RECYCLE CENTER	Vacuum System	0

Section O

SUBPART CC - AIR EMISSION STANDARDS FOR TANKS AND CONTAINERS

Table of Contents

SUBPART CC -AIR EMISSION STANDARDS FOR TANKS AND CONTAINERS

The Safety-Kleen Lexington Recycle Center shall control air pollutant emissions from applicable hazardous waste management units at this facility pursuant to the requirements of RCRA Subpart CC, through implementation of this compliance program. The following plan describes this facility's waste determination procedures, tank and container design/management practices, organic emission controls, inspection and monitoring, and recordkeeping and reporting requirements, pursuant to standards promulgated under R.61-79.264, Subpart CC.

1. WASTE DETERMINATION PROCEDURES (R.61-79.264.1083)

Waste Determination

For purposes of waste determination, this facility utilizes knowledge developed from the management of the same types of hazardous wastes for over 25 years. In addition, the facility may use knowledge of the waste based upon information included in manifests, shipping papers, or waste certification notices and analytical data provided by generators to confirm waste acceptability for our receiving facility.

Based upon this knowledge, it has been determined that all hazardous waste managed in tanks or applicable containers at this facility may contain an average volatile organic concentration of greater than 500 ppmw at the point of waste origination. Therefore, all hazardous wastes managed in tanks or applicable containers shall be managed in accordance with Subpart CC control standards. Under such a management scenario, no direct measurements will be conducted. This is consistent with R.61-79.264.1083(a)(1).

The facility has determined the maximum and average vapor pressure of hazardous waste stored in Level 1 tanks by using the EPA's emission calculation program for identifying liquid contents in storage tanks known as the Tanks Program (Version 2.0). Through the use of this program the maximum vapor pressure of hazardous waste stored on-site in tanks is below the applicable threshold for Level 2 tanks.

Transshipped Hazardous Waste

Hazardous waste which is managed through the facility as "ten-day transfer" waste (AKA transship waste) is not subject to Subpart CC regulation.

2. CONTAINER STANDARDS (R61-79.264.1086)

Containers with a capacity of greater than 26 gallons that are used to manage hazardous waste with 500 ppmw or greater VO Concentration are subject to Subpart CC air emission controls. The Subpart CC rule divides regulated containers into three different categories - Level 1, 2, and 3. Currently, the Lexington Recycle Center manages containers that meet Level 1 and 2.

Level 1 Containers

Provided below is a summary of the criteria applicable for a container to be identified and managed as a Level 1 container.

Level	Volume	Usage	Requirements
Level 1	> 26 gals., but < 119 gallons, or > 119 gallons	Any hazardous waste & Not "in light material service"	* meet DOT specifications or is a lab pack, * keep closed except when adding or removing waste, * safety relief devices ok, * minimize exposure of waste when transferring, * remediate defective containers within 5 days, initiate within 24 hours.

A hazardous waste is a "light material" if it (1) contains at least one organic constituent with a vapor pressure above 0.3 (kPa) at 20°C, and (2) has a total concentration of such constituents of 20% or greater by weight. This definition will generally apply to all hazardous waste received by Lexington in both bulk and non-bulk containers.

Level 1 containers typically received and managed by the Lexington Recycle Center include, but are not limited to:

30-gallon, 55-gallon, 110-gallon, etc.

These containers meet applicable DOT specifications and/or authorizations. Therefore, these types of containers are acceptable for use in accordance with level 1 controls. Although not required by Subpart CC, containers greater than 26 gallons managing site generated hazardous waste will be visually inspected upon their initial filling and within one year if the container is not completely emptied of its contents.

Level 2 Containers

Provided below is a summary of the criteria applicable for a container to be identified and managed as a Level 2 container.

Level	Volume	Usage	Requirements
Level2	>119 gallons	hazardous waste "in light material service"	* meet DOT specifications or is a lab pack, * keep closed except when adding or removing waste, * safety relief devices ok, * minimize exposure of waste when transferring, use vapor balancing or submerged filling, * remediate defective containers within 5 days, initiate within 24 hours.

A hazardous waste is a "light material" if it (1) contains at least one organic constituent with a vapor pressure above 0.3 (kPa) at 20°c, and (2) has a total concentration of such constituents of 20% or greater by weight. This definition will generally apply to all hazardous waste received by Lexington in both bulk and non-bulk containers.

Level 2 containers typically received and/or managed by the Lexington Recycle Center include, but are not limited to:

vacuum truck, roll-off containers, totes, etc.

All bulk containers managing hazardous waste subject to Subpart CC will be managed in accordance with Level 2 standards. Therefore, the Lexington Recycle Center will not be determining whether hazardous waste in a bulk container is a "light material".

Lexington Management Procedures

Level 1 & 2 Containers Managed by Lexington

A. Inspections

Hazardous Waste Received from Off-Site - All level 1 or 2 containers managing hazardous waste subject to Subpart CC received from off-site sources that will not be completely emptied within 24 hours of receipt, will be inspected to ensure that all applicable covers and closure devices are closed. This inspection already occurs as part of the daily facility inspection required in accordance with the State hazardous waste permit. Therefore, compliance with the inspection requirements of Subpart CC

is incorporated in the facility inspection plan by this reference.

Defective containers will be remediated within 5 days of observation, and initial remediation will be attempted within 24 hours of observation.

On-Site Generated Hazardous Waste - Containers greater than 26 gallons will be visually inspected upon their initial filling to ensure that all openings are properly closed and/or covered.

Note: *Satellite accumulation containers managed in accordance with R.61-79.262.34(c)(1) are not subject to Subpart CC requirements.*

B. Monitoring

Containers Managing Off-Site and On-Site Generated Hazardous Waste

Level 1 Containers - All Level 1 containers managed at Lexington are DOT approved/authorized and as such are not subject to monitoring for No Detectable Emissions (NOE). Therefore, no monitoring for NOE will be conducted on such containers. However, they will be closed when not involved in transfer activities, including adding, removing, or sampling waste.

Level 2 Containers - Monitoring for NOE will only be performed on bulk hazardous waste containers meeting Level 2 criteria that will not be maintained in accordance with DOT over the road requirements. All containers received from off-site sources managing hazardous waste that is in light material service, subject to Level 2 controls, will be managed in packaging authorized by DOT for transportation. Provided below are typical level 2 containers received.

1. The facility's vacuum unit (IME) is used for miscellaneous waste collection activities on-site since it is contaminated with organic hazardous waste it will be leak tested in accordance with DOT requirements or monitored annually for NOE using Method 21. (See Attachment C)

2. Totes used to manage site generated hazardous waste will be covered with lids or other suitable covers when not adding or removing hazardous waste.

3. TANK STANDARDS (R.61-79.264.1084)

Tanks used to manage hazardous waste with 500 ppmw or greater VO Concentration are subject to either Level 1 or 2 controls.

Provided Below is a summary of the criteria that must be in order for a hazardous waste tank to be subject to Level 1 controls. Tanks operated outside of these parameters are subject to Level 2 controls.

Tank Design Capacity	Maximum Vapor Pressure of Waste
<19, 789 gallons	11. 26 psi
19, 789 gal. -< 39, 841 gal.	4.0 psi
>_39,841 gallons	0.75 psi

Level 1 Tanks

Level 1 tanks must be managed with a fixed roof. All openings in the tank system must be closed except when adding, removing, or conducting maintenance on the tank. Safety devices and conservation vents are allowed on such tanks.

Lexington Tank Management Procedures

1. Level 1 Tanks Managed by Lexington

All tanks used to manage hazardous waste at the facility are considered Level 1 tanks. Tanks are equipped and operated with fixed roofs. Hazardous waste stored in tanks at Lexington Recycle Center exhibit a vapor pressure of less than 4.0 psi. The vapor pressure of the waste in the tanks will fluctuate on a periodic basis due to the cyclic generation of such hazardous waste streams by off-site generators. However, the maximum vapor pressure in all hazardous waste tanks will not exceed their applicable Level 1 threshold. The maximum organic pressure is determined using process knowledge of the hazardous waste historically managed pursuant to R.61-79.264.1083(c)(2).

In addition, the facility has determined the vapor pressure of hazardous waste stored in Level 1 tanks by using the EPA's emission calculation program for identifying liquid contents in storage tanks known as the Tanks Program. Through the use of this program the maximum vapor pressure of hazardous waste stored on-site in tanks is below the applicable threshold for Level 2 tanks.

The Lexington Recycle Center storage tanks are designed and operated so that all cover openings can be closed with no visible gaps, holes, cracks, or other open spaces that will allow for the release of air emission. The cover and all cover openings operate with no detectable emissions when in the closed position. Cover openings are maintained in a closed position at all times except when waste is being added to or removed from the tank, or when necessary sampling, liquid level assurance, or repair/maintenance is performed on the tanks. These tanks are equipped with a variety of closure and/or safety devices (i.e., conservation vents, long-bolted pressure relief manways, pressure relief hatches, etc.) that vent to the atmosphere in the event of an emergency. When in the closed position, these closure and/or safety devices operate to reduce air pollutant emissions to the atmosphere.

A. Inspections - An initial visual tank inspection was conducted on December 5, 1996. One defect that could result in air emissions were observed in the fixed roofs and closure devices and was repaired immediately. See Attachment A for a complete listing of hazardous waste tanks and inspection results.

Visual inspections of the tanks will be conducted on an annual basis.

B. Monitoring - Monitoring for NOE is not required for Level 1 tanks, therefore, no such monitoring will be conducted.

Safety-Kleen - Lexington SC Recycle Center SCD 077995488

Certification Page for 40 CFR 264 Subpart CC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____ **Date Signed:** 8/31/2021

David A. DeSha, Director Environmental Compliance
Name and Official Title