Safety-Kleen Systems, Inc.
Boynton Beach
FLD 984 167 791
Operating Permit 56019/HO/007

RCRA Facility Assessment (RFA) Addendum

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1.0 Introduction

The purpose of a Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA) is to compile existing information on environmental conditions at a given facility, including information on actual or potential releases. The RFA includes a review of existing information about a facility (Preliminary Review, (PR)), a visit to the facility (Visual Site Investigation, (VSI)), and, if warranted, limited sampling to determine if there is an actual or potential release of hazardous wastes or hazardous constituents from the Solid Waste Management Units (SWMU) or Areas of Concern (AOC) at the facility. The primary decision point is a determination of whether there is the potential for contamination at levels that would pose human health or ecological concerns. If no further investigation or remediation is necessary, the Department of Environmental Protection (DEP or Department) issues a "No Further Action at this Time". This RFA addendum provides an update to the original RFA. This addendum provides information for eight additional SWMUs (SWMU-6 through SWMU-13). The information is based upon documents listed in Section 4.0 References of this addendum, information provided by Safety-Kleen and information from DEP's Southeast District Office located in West Palm Beach, Florida.

EPA defines SWMUs as "Any discernible unit at which solid wastes have been placed at any time, irrespective of whether the unit was intended for the management of solid or hazardous waste. Such units include any area at a facility at which solid wastes have been routinely and systematically released.[1]"

The original RCRA Facility Assessment Report dated August 1990 was completed for Safety-Kleen prior to completion of the facility. The VSI was conducted during the time that the facility was being constructed. That RFA identified four SWMUs. These four SWMUs are not discussed in detail in this addendum but are included and updated for completeness. A review of FDEP files revealed that a RFA Addendum had not been completed for SWMUs five through seven. All SWMUs have been given a No Further Action (NFA) recommendation at this time.

In addition, Safety-Kleen maintains a list of small spills identified as potential SWMUs. These are generally small spills that were immediately cleaned up. A current list is included in Section 8.0.

[1] Proposed Subpart S, 55 FR 30798, July 27, 1990

2.0 Facility Description & Operations

2.1 Local Setting

The facility is located in the City of Boynton Beach in an area that is zoned heavy industrial known as Quantum Park. Boynton Beach classifies this area as suitable for hazardous waste facilities. Prior to construction of the Safety-Kleen facility, the land had been undeveloped. There were no pre-existing SWMUs located on the vacant property.

A canal is located adjacent to the southern property boundary. A school lies to the west of the property. Industrial areas are located to the north, and the parcel to the east is vacant.

The Safety-Kleen Boynton Beach facility does not lie within a 100-Year Floodplain Area. The facility lies within an area classified as Zone C. Such areas have been classified as "areas of minimal flooding" and do not require any special planning requirements for response to floods.

2.2 Operations

Safety-Kleen Systems, Inc. of Richardson, Texas is an international service oriented company whose customers are primarily engaged in automotive repair and industrial maintenance. Since 1968, Safety-Kleen has been offering a leasing service for petroleum-based hydrocarbon solvents and small parts washing equipment.

Safety-Kleen's solvent cycle is essentially closed loop, moving from the Branch Office ("Branch") to the customer, from the customer to the Branch, from the Branch to the recycle facility, and then from the recycle center back to the Branch for redistribution to customers. This closed loop supplies Safety-Kleen with most of its solvent requirements (nearly two-thirds of the clean solvent delivered to the field has been previously used by its customers). Ownership of the solvent remains with Safety-Kleen. Solvent containers (product and waste) are transported in specially-equipped, enclosed route trucks.

2.3 Wastestreams

Wastes managed at the Boynton Beach facility include:

Waste Type	Process Code(s)	Estimated Annual Amounts (Tons)	Waste Codes
Spent Parts Washer Solvent	S01* S02**	848	D001 and D-codes listed in Note below
Branch-Generated Liquids Solids (Debris)	S01*	17	D001 and D-codes listed in Note below; F001, F002, F003, F004, F005
Dumpster Sediment	S01*	Included above	D001 and D-codes listed in note below
Tank Bottoms	S01*	Included above	D001 and D-codes listed in note below
Used Immersion Cleaner (IC 699)	S01*	28	D-codes listed in note below
Dry Cleaning Waste (Perchloroethylene)	S01*	290	F002 and D-codes listed in note below
Dry Cleaning Waste (Non-perchloroethylene)	S01*	Included above	D-codes listed in note below
Paint Wastes	S01*	46	D001, F003, F005 and D-codes listed in note below
Fluid Recovery Service (FRS)	S01***	220	Transfer wastes-waste codes assigned by generator
Mercury-Containing Lamps/Devices	N/A***	Less than 2.2	N/A-handled as non-hazardous transfer wastes

NOTES:

D-Codes: 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

*This waste will be stored in containers in the building container storage area. The maximum capacity in the container storage area for hazardous waste and product is 29,400 gallons, with 6,912 gallons being hazardous waste.

**The spent parts washer solvent storage tank has a capacity of 15,000 gallons and may be filled to 14,250 gallons

***This waste will be held for transfer in containers in the transfer area

The facility currently consists of a 5-acre, site. The container storage facility is a 3,920 ft^2 feet area (49'x80'), specifically designed for the management of containerized hazardous waste. The container storage building is roofed and contains a fire fighting sprinkler system. The maximum capacity in the container storage area for hazardous waste and

product is 29,400 gallons with 6,912 gallons being hazardous waste. The types of waste allowed to be stored are discussed below.

Five aboveground tanks are also operated in a tank farm on the northern side of the facility. These tanks are used for storage of waste solvent, product 150 solvent, used oil, and oily water. The facility is authorized to store hazardous waste in a 15,000-gallon aboveground tank.

Safety-Kleen is authorized to operate as a used oil transfer facility and a used oil filter transporter in accordance with Chapter 62-710, Florida Administrative Code (F.A.C.). Safety-Kleen is authorized to store used oil for less than 35 days as a transfer facility.

Safety-Kleen is also authorized to operate a hazardous waste transfer facility on site in accordance with Rule 62-730.171, F.A.C., and is authorized to hold manifested hazardous waste on site not to exceed ten (10) days as allowed for transfer facilities.

Lastly, Safety-Kleen is a transporter, transfer facility and Small Quantity Handler (SQH) of universal waste lamps and devices that are regulated in accordance with Chapter 62-737, F.A.C. Their current registration expires on March 1, 2013.

3.0 Regulatory & Corrective Action Chronology

EPA conducted the initial Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA) at this location on June 13, 1990. At that time, the construction of the facility was not completed and it was determined that there was no evidence of a prior or continuing release of hazardous wastes or hazardous constituents at the site.

Safety-Kleen submitted a Construction Permit Application on August 19, 1988 and the Florida Department of Environmental Regulation (DER) deemed it complete on February 2, 1989. DER issued a construction permit HC50-151555 dated May 11, 1989 to construct a hazardous waste storage facility. The facility underwent physical construction and once construction was completed, Safety-Kleen submitted an Operating Permit Application to obtain a RCRA Operating Permit. At that time Safety-Kleen was not a pre-existing facility, therefore a SWMU questionnaire was not required.

A file review for this facility was conducted during the first week of June 1990 and the visual site inspection (VSI) was performed on June 13, 1990. The personnel present at the VSI were:

- Haresh "Harry" Desai, EPA Atlanta
- Jim LeBar, EPA/IPA Tallahassee
- Robert Kukleski, DER[2] West Palm Beach
- Knox McKee, DER West Palm Beach
- John E. Griffin, DER Tallahassee

No representatives from Safety-Kleen were present during the Visual Site Investigation (VSI). The VSI identified four SWMUs with two being the permitted tank and container storage units, respectively. There were no AOCs identified at this facility.

An operating permit application was dated April 23, 1991 and received by the DER on April 23, 1991.

Safety-Kleen registered as a Used Oil Collection and Recycling Facility, and Transporter in an application dated June 12, 1991 and the registration requires renewal every year.

There are conflicting dates associated with the date operations began. The May 23, 2012 Part B indicates an August 26, 1991 date. Earlier Part Bs (e.g., June 1997, October 2000) indicate a September 4, 1991 start date.

In 1996, Safety-Kleen became registered in Florida as a transporter and storage facility for mercury-containing lamps and devices destined for recycling.

[2] DER-Department of Environmental Regulation, currently the Department of Environmental Protection (DEP)

In a HSWA permit renewal letter dated June 11, 2001 to EPA, Safety-Kleen notified EPA of a potential new SWMU, the municipal trash dumpster (SWMU-8).

The current Operating Permit 56019/HO/007, issued on January 15, 2008 contains the following SWMU list:

TABLE 1
SWMU Identification Summary

- SWMU-1 Container Storage Area
- SWMU-2 Tank Storage Area
- SWMU-3 Debris Field From Construction
- SWMU-4 Storm Water Retention Pond
- SWMU-5 Oil Filter Storage
- SWMU-6 Mercury Lamps Storage Area
- SWMU-7 Used Antifreeze Tanker

Each of these SWMUs has a No Further Action recommendation in the permit.

On May 17, 2012, Safety-Kleen submitted a renewal application for their Part B. The review of the Part B determined that the SWMU information was incomplete although much of the information was included throughout various parts of the Part B. Included in this addendum are summary sheets describing each SWMU, photographs and location maps.

4.0 References

The following documents were used in preparation of this amended RFA (listed chronologically):

1. August 1990, *RCRA Facility Assessment for Safety Kleen Corporation, Lot 46B, Quantum Industrial Park, Boynton Beach, Boynton Beach,* by John E. Griffin
2. April 23, 1991, *RCRA Operating Permit Application, Safety-Kleen Corp., Lot 46B Quantum Industrial Park, Boynton Beach, Florida*
3. June 11, 2001, HSWA Permit Renewal Letter Application, Safety-Kleen Systems, Inc., *Boynton Beach, FL Facility EPA ID# FLD 984 167 791 Boynton Beach*
4. May 17, 2012, *Safety-Kleen Systems, Inc., Boynton Beach Facility-5610 Alpha Drive, Boynton Beach, FL 33426; EPA ID# FLD 984 167 791, Hazardous Waste Operating Permit Renewal Application*

5.0 SWMU Summary Table

SOLID WASTE MANAGEMENT UNITS/AREAS OF CONCERN SUMMARY TABLE								
				Suggested Action				
SWMU or AOC #	Waste Management Unit/Area of Concern Name	Type of Unit	Evidence of releases	NFA at This Time	Confirmatory Sampling Required	Wastes Managed	Dates of Operation	Source:
SWMU-1	Container Storage Area inside Service Center	Storage	No	X		Spent parts washer solvent, Branch-generated liquids & solids (debris), used immersion cleaner, dry-cleaning waste (perchlorethylene & mineral spirits), paint wastes	1991-present	August 1990 RFA
SWMU-2	Tank Storage Area inside Tank Farm Building	Storage	No	X		Spent parts washer solvent, tank bottoms, used oil, oily water	1991-present	August 1990 RFA
SWMU-3	Debris Field of Construction Materials	Storage	No	X		C&D materials from construction of the facility. This SWMU is no longer present	1990	August 1990 RFA
SWMU-4	Stormwater Retention Pond	Storage & Treatment	No	X		Stormwater	1990-present	August 1990 RFA
SWMU-5	Oil Filter Storage (located in SWMU-1)	Storage	No	X		Used oil filters	2009-present	January 5, 2008 Operating Permit
SWMU-6	Mercury Lamps Storage Area (located in SWMU-1)	Storage	No	X		Mercury lamps and devices	1996-present	January 5, 2008 Operating Permit
SWMU-7	Used Antifreeze Tanker	Storage	No	X		Used ethylene glycol	1990-present	January 5, 2008 Operating Permit
SWMU-8	Municipal Dumpster	Storage				Non-hazardous munincipal waste	1991-present	June 11, 2001 notification letter

SWMU-9	Transfer Waste Storage Area (located in SWMU-1)	Storage	No	X		Spent hydrocarbon distillates; oils; industrial halogenated solvents; photographic & X-ray related wastes; paint & lacquer thinners; miscellaneous hazardous & non-hazardous halogenated & non-halogenated wastes	1991-present	
SWMU-10	Return/Fill Station	Treatment	No	X		Spent parts washer solvent, dumpster sediment	1991-present	
SWMU-11	Satellite Container Storage (located in SWMU 10)	Storage	No	X		sludges (dumpster muds) from filter baskets	2002-present	
SWMU-12	Containerized Waste Loading/Unloading Dock	Storage	No	X		Various hazardous and non-hazardous wastes	1991-present	
SWMU-13	Oily Water Tanker	Storage	No	X		Oily water	2010-present	

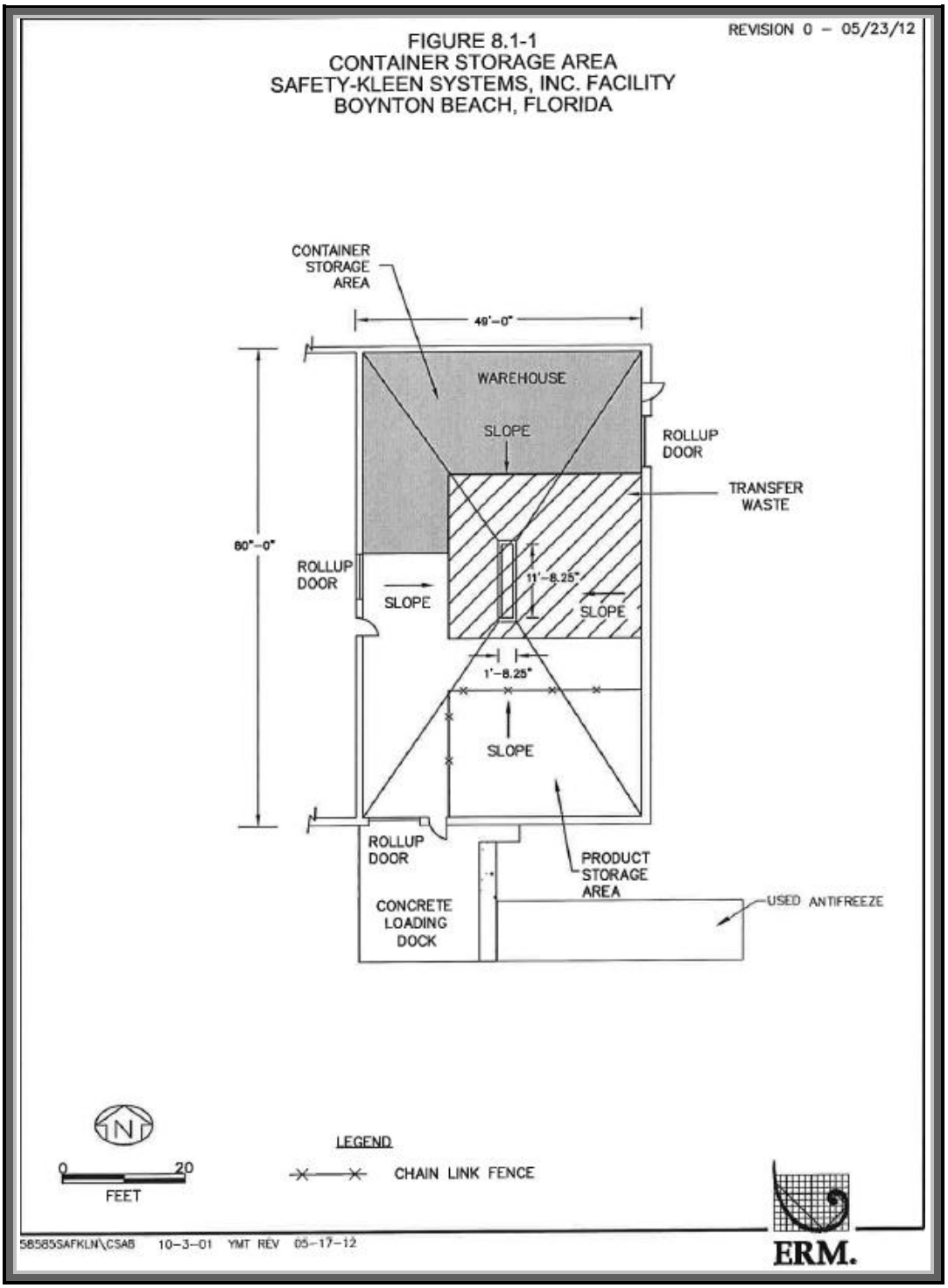
6.0 SWMU Data Sheets

WASTE MANAGEMENT AREA /AREA OF CONCERN DATA SHEET

WASTE MANAGEMENT AREA/AREA OF CONCERN REFERENCE NUMBER	SWMU-1
NAME	Container Storage Area inside Service Center
TYPE OF UNIT	Storage
DESCRIPTION OF WASTE MANAGED	Spent parts washer, Branch-generated liquids, dumpster sediment, tank bottoms, used immersion cleaner (IC 699), drycleaning waste (perchloroethylene and mineral spirits), paint related wastes and FRS waste. A maximum of 6,912 gallons of hazardous waste will be stored in this area at any one time.
PHYSICAL DESCRIPTION AND CONDITION	The container storage area is a 48 feet by 78 feet area with a sloped floor and collection sump. The building is covered.
HISTORY AND/OR EVIDENCE OF RELEASE(s)	None
RECOMMENDATION	No Further Action This container storage unit will be closed out in accordance with its Closure Plan.
COMMENTS	See also, *RCRA Facility Assessment for Safety-Kleen Corporation, Lot 46B, Quantum Industrial Park, Boynton Beach, Boynton Beach,* August 1990 by John E. Griffin.

Photo of SWMU-1

SWMU-1, Container Storage Area inside Service Center. This photograph shows the front entrance, facing west. Photo taken by Jeff Curtis on June 12, 2012.



SWMU-1, Container Storage Area inside Service Center. Figure 8.1-1 is from Safety Kleen's May 2012 Part B. This also shows the location of SWMU-12 Containerized Waste Loading/Unloading Dock ("Concrete Loading Dock") and SWMU-7 Used Antifreeze Tanker ("Used Antifreeze").

WASTE MANAGEMENT AREA /AREA OF CONCERN DATA SHEET

WASTE MANAGEMENT AREA/AREA OF CONCERN REFERENCE NUMBER	SWMU-2
NAME	Tank Storage Area inside Tank Farm Building
TYPE OF UNIT	Storage
DESCRIPTION OF WASTE MANAGED	Hazardous waste spent solvent, used oil and oily water.
PHYSICAL DESCRIPTION AND CONDITION	All five tanks (four contain waste) are above-ground steel tanks. The spent hazardous waste solvent is stored in a 15,000 gal. tank. There is one 20,000 and one 15,000 gal. tank for used oil storage, and a 5,000 gal. oily water tank. All tanks are underlain by a 71′ x 32′4″ x 6″ concrete slab, surrounded by a 36″ concrete dike and covered by a roof. The dike has been sealed with a Sikagard® 62 chemical resistant coating. Therefore, no surface run-on or precipitation would be in contact with the wastes stored in the tank farm. Gauges are used to measure 1iquid 1evels inside the tanks and float activated automatic high level alarms will signal when the tanks are 95% full. This alarm allows an operator more than two minutes to stop operations and avoid overfilling.
HISTORY AND/OR EVIDENCE OF RELEASE(s)	None
RECOMMENDATION	No Further Action. The hazardous waste tank will be closed out in accordance with its Closure Plan. The used oil tanks will be closed out in accordance with Chapter 62-762.801, F.A.C.
COMMENTS	Safety-Kleen is also a used oil transporter. The tank farm also includes a 20,000 gal. product 150 solvent tank and is not discussed in further detail.

	See also, *RCRA Facility Assessment for Safety-Kleen Corporation, Lot 46B, Quantum Industrial Park, Boynton Beach, Boynton Beach,* August 1990 by John E. Griffin.

SWMU-2, Tank Storage Area inside Tank Farm Building. This photograph was taken facing north/northwest. This photograph shows the outside of the Tank Farm Building. Photo taken by Jeff Curtis on June 12, 2012.

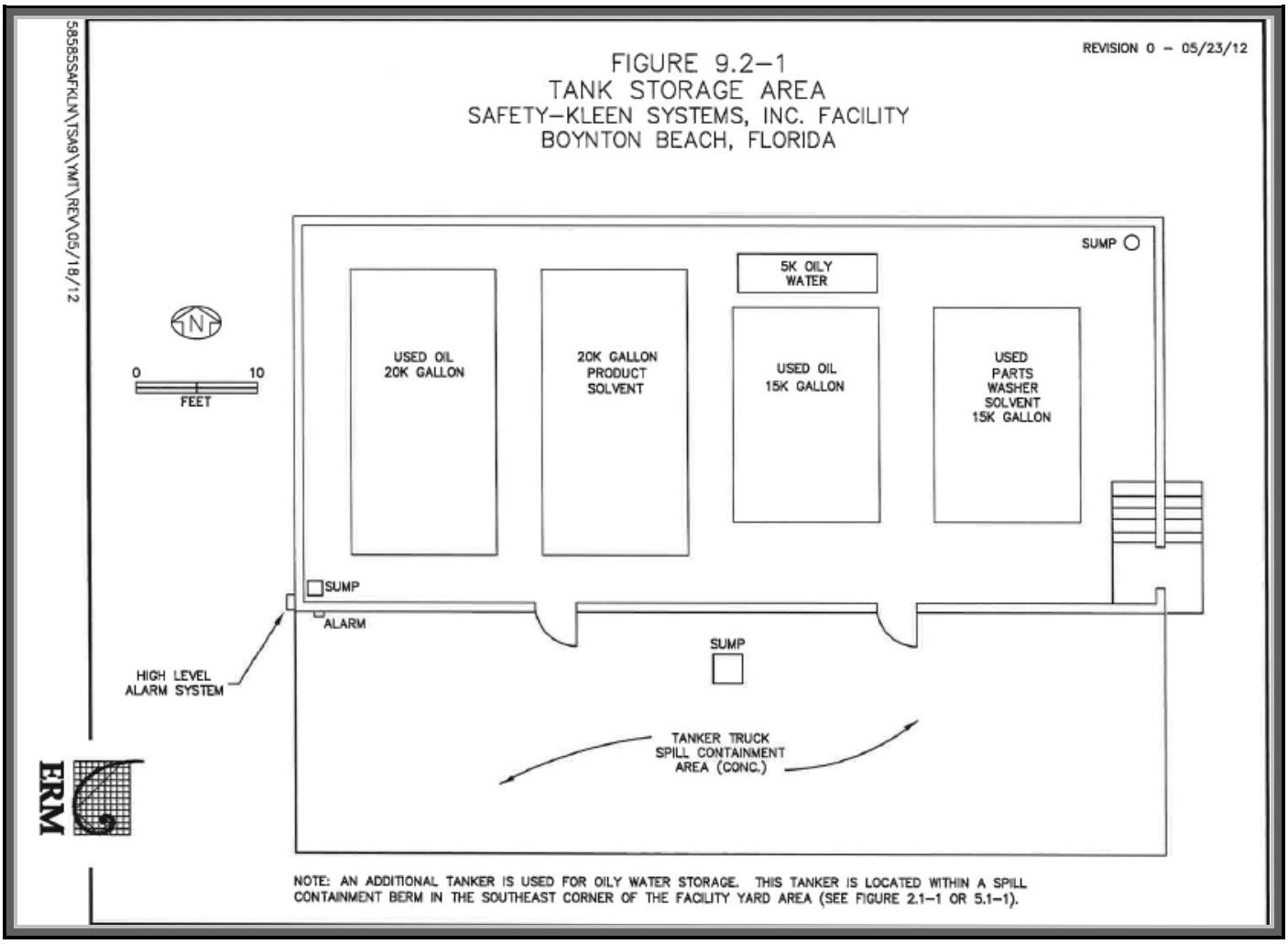


Figure 9.2-1 from Safety-Kleen's May 2012 Part B showing the locations of the various tanks.

WASTE MANAGEMENT AREA /AREA OF CONCERN DATA SHEET

WASTE MANAGEMENT AREA/AREA OF CONCERN REFERENCE NUMBER	SWMU-3
NAME	Debris Field of Construction Materials
TYPE OF UNIT	Storage
DESCRIPTION OF WASTE MANAGED	Construction debris
PHYSICAL DESCRIPTION AND CONDITION	Non-hazardous solid waste including broken wood, piles of hardened concrete, metal (i.e., rusted steel) framing.
HISTORY AND/OR EVIDENCE OF RELEASE(s)	None
RECOMMENDATION	No Further Action
COMMENTS	The debris was removed after construction. This SWMU no longer exists. See also, *RCRA Facility Assessment for Safety-Kleen Corporation, Lot 46B, Quantum Industrial Park, Boynton Beach, Boynton Beach,* August 1990 by John E. Griffin.

The Debris Field of Construction Materials no longer exists but the photograph shows the former location. Photo taken by Jeff Curtis on June 12, 2012.

WASTE MANAGEMENT AREA /AREA OF CONCERN DATA SHEET

WASTE MANAGEMENT AREA/AREA OF CONCERN REFERENCE NUMBER	SWMU-4
NAME	Stormwater Retention Area
TYPE OF UNIT	Storage and Treatment
DESCRIPTION OF WASTE MANAGED	Stormwater
PHYSICAL DESCRIPTION AND CONDITION	A grassy, approximately 280'x30' low-lying area located along the northern portion of the property.
HISTORY AND/OR EVIDENCE OF RELEASE(s)	Designed to release stormwater
RECOMMENDATION	No Further Action
COMMENTS	See also, *RCRA Facility Assessment for Safety-Kleen Corporation, Lot 46B, Quantum Industrial Park, Boynton Beach, Boynton Beach,* August 1990 by John E. Griffin.

SWMU-4, Stormwater Retention Pond. This photograph was taken facing east. Photo taken by Jeff Curtis on June 12, 2012.

WASTE MANAGEMENT AREA /AREA OF CONCERN DATA SHEET

WASTE MANAGEMENT AREA/AREA OF CONCERN REFERENCE NUMBER	SWMU-5
NAME	Oil Filter Storage
TYPE OF UNIT	Storage
DESCRIPTION OF WASTE MANAGED	Used oil filters from automobiles and trucks
PHYSICAL DESCRIPTION AND CONDITION	Used oil filters are stored in 30 and 55 gallon steel/poly containers. Used oil filters are drained at the customer location prior to transport/storage at the Safety-Kleen Boynton Beach facility. Used oil filters are sent to the US Foundry in Medley, Florida for recycling.
HISTORY AND/OR EVIDENCE OF RELEASE(s)	None
RECOMMENDATION	No Further Action
COMMENTS	The filters were initially stored in the parking lot in 350-gallon dumpsters east of the Tank Storage Area Building (directly east of the tank farm). Currently, the filters are stored in the hazardous waste container storage building (SWMU-1). Safety-Kleen is registered as a used oil transporter, transfer facility, filter transporter and filter transfer facility in accordance with Chapter 62-710, F.A.C. The certification expires on June 30, 2012.

SWMU-5, Oil Filter Storage. This photograph was taken facing east. Photo taken by Jeff Curtis on June 12, 2012.

WASTE MANAGEMENT AREA /AREA OF CONCERN DATA SHEET

WASTE MANAGEMENT AREA/AREA OF CONCERN REFERENCE NUMBER	SWMU-6
NAME	Mercury Lamps Storage Area
TYPE OF UNIT	Storage
DESCRIPTION OF WASTE MANAGED	Up to 2,000 Kilograms of lamps/devices for a period of up to 180 days.
PHYSICAL DESCRIPTION AND CONDITION	Safety-Kleen provides customers with empty four-foot and eight-foot boxes which hold up to 39 lamps. Boxes containing lamps are picked up from customers and are handled at the Branch as non-hazardous transfer wastes. The boxes are stored at the Branch in a designated area that is labeled in accordance with FAC 62-737.400(5)(b), and are partially isolated from other transfer wastes to avoid potential for accidental breakage. The boxes are periodically shipped to a permitted mercury recovery or reclamation facility. Prior to shipment out of the Branch, the boxes are placed on pallets and shrink-wrapped with plastic. Mercury devices may also be picked up and stored in 5-gallon poly containers and stored in this area.
HISTORY AND/OR EVIDENCE OF RELEASE(s)	None
RECOMMENDATION	No Further Action
COMMENTS	In 1996, the Branch became registered in Florida as a transporter and storage facility for mercury-containing lamps and devices destined for recycling. Safety-Kleen is currently a transporter and a Small Quantity Handler Facility of Universal Waste Lamps and Devices in accordance with Chapter 62-737, F.A.C. Safety-Kleen's certification was issued February 8, 2012 and it expires on March 1, 2013.

SWMU-6, Mercury Lamps Storage Area. This photograph was taken facing east. Photo taken by Jeff Curtis on June 12, 2012.

WASTE MANAGEMENT AREA /AREA OF CONCERN DATA SHEET

WASTE MANAGEMENT AREA/AREA OF CONCERN REFERENCE NUMBER	SWMU-7
NAME	Used Antifreeze Tanker
TYPE OF UNIT	Storage
DESCRIPTION OF WASTE MANAGED	Used ethylene glycol
PHYSICAL DESCRIPTION AND CONDITION	The tanker is an over the road tanker that is permanently staged at the facility. The tanker has a 6,000 gallon capacity.
HISTORY AND/OR EVIDENCE OF RELEASE(s)	None
RECOMMENDATION	No Further Action
COMMENTS	In 1990 Safety-Kleen began offering a service for the collection of spent antifreeze (ethylene glycol) from automobile service stations. This service is offered in conjunction with Safety-Kleen's used oil collection service. All used antifreeze collected and managed by Safety-Kleen within Florida is recycled. The trucks used to collect and transport waste ethylene glycol are the same trucks used for collection and transport of used oil. At the customer locations, Safety-Kleen pumps used antifreeze and transports the material to the Branch for off-loading into a tank for storage. The ethylene glycol/used oil mixture is transferred to the Safety-Kleen re-refinery in East Chicago, Indiana, where the ethylene glycol is extracted from the oil by distillation. After separation, the ethylene glycol is shipped to a glycol refinery for additional purification into a pure product which is then sold on the open market. This procedure is in accordance with FDEP's *Best Management Practices for Managing Used Antifreeze at Vehicular Repair Facilities,* dated May 2012.

Photos of SWMU-7

SWMU-7 Used Antifreeze Tanker. This photograph was taken facing east. Photo taken during the June 16, 2011 site inspection. Photograph by Kathy Winston of the FDEP Southeast District. In the rear is SWMU-13, the Oily Water Tanker. The area in the front of this photograph is SWMU-12 Containerized Waste Loading/Unloading Dock.

This photograph was taken facing west. The structure behind the tanker is SWMU-12 Containerized Waste Loading/Unloading Dock. Photo taken by Jeff Curtis on June 12, 2012.

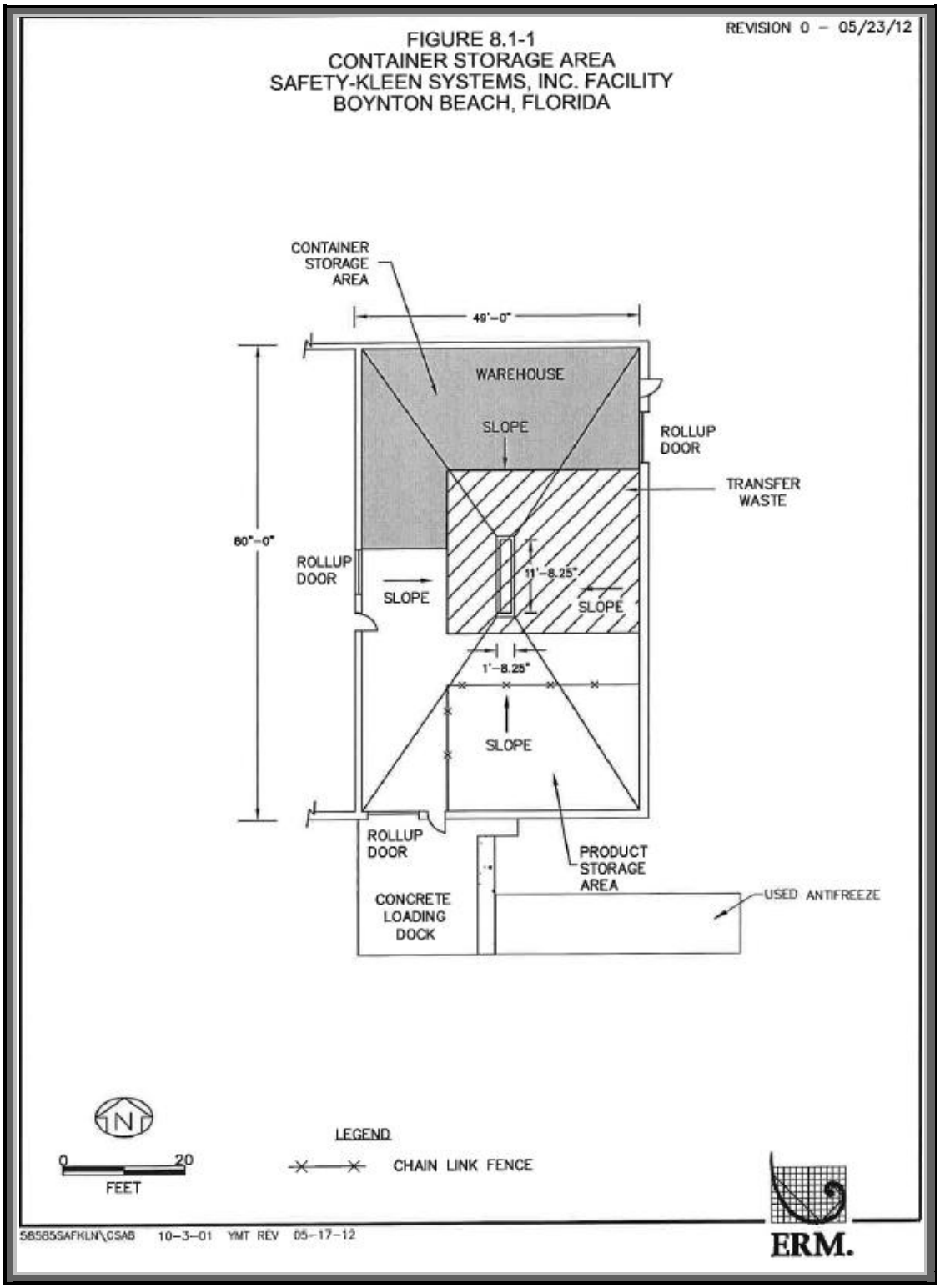
WASTE MANAGEMENT AREA /AREA OF CONCERN DATA SHEET

WASTE MANAGEMENT AREA/AREA OF CONCERN REFERENCE NUMBER	SWMU-8
NAME	Municipal Dumpster
TYPE OF UNIT	Storage
DESCRIPTION OF WASTE MANAGED	Municipal solid waste
PHYSICAL DESCRIPTION AND CONDITION	Standard 2 cubic yard steel dumpster
HISTORY AND/OR EVIDENCE OF RELEASE(s)	None
RECOMMENDATION	No Further Action
COMMENTS	It is believed that the dumpster was introduced at the time that the facility began operating. Although there are two concrete block bays, Safety-Kleen has historically only had one dumpster at the facility.

SWMU-8. Municipal Dumpster. This photograph was taken facing east. Photo taken by Jeff Curtis on June 12, 2012.

WASTE MANAGEMENT AREA /AREA OF CONCERN DATA SHEET

WASTE MANAGEMENT AREA/AREA OF CONCERN REFERENCE NUMBER	SWMU-9
NAME	Transfer Waste Storage Area
TYPE OF UNIT	Short-term Storage of Fluid Recovery Services (FRS) waste
DESCRIPTION OF WASTE MANAGED	Spent hydrocarbon distillates, such as waste fuel, oil, petroleum, naptha, etc.; lubricating oils, hydraulic oils, synthetic oils, and machine oils; industrial halogenated solvents such as 1,1,1-trichloroethane, tetrachloroethylene, Freon, and trichloroethane; photographic and x-ray related wastes; paint and lacquer thinners; and other hazardous and non-hazardous halogenated and non-halogenated wastes.
PHYSICAL DESCRIPTION AND CONDITION	The Transfer Facility is currently located in, and part of, the Container Storage Area (SWMU 1). Safety-Kleen is authorized to operate a transfer facility on site in accordance with Rule 62-730.171, F.A.C., and is authorized to hold manifested hazardous waste on site not to exceed ten (10) days as allowed for transfer facilities. Current regulations allow transfer facility waste to be held anywhere on the paved lot within the facility boundary. The maximum permitted capacity is limited to 20,000 gallons or 100 cubic yards. The Transfer Facility began operation in 1990.
HISTORY AND/OR EVIDENCE OF RELEASE(s)	None
RECOMMENDATION	No Further Action
COMMENTS	



Note the location of the transfer waste area.

Photo of SWMU-9

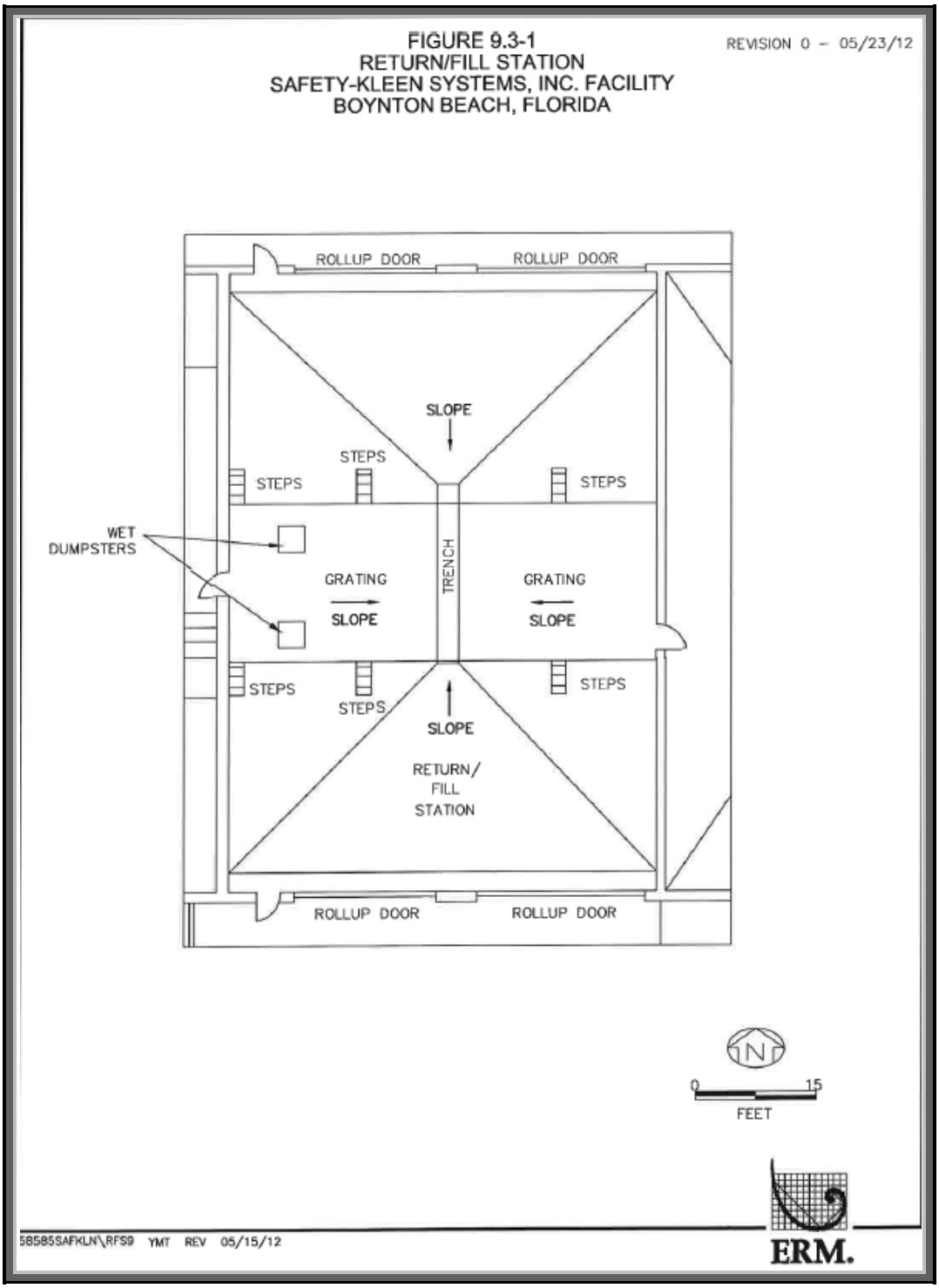
SWMU-9 Transfer Waste Storage Area . Photo taken facing east. Photo taken by Jeff Curtis on June 12, 2012.

WASTE MANAGEMENT AREA /AREA OF CONCERN DATA SHEET

WASTE MANAGEMENT AREA/AREA OF CONCERN REFERENCE NUMBER	SWMU-10
NAME	Return/Fill Station
TYPE OF UNIT	Treatment
DESCRIPTION OF WASTE MANAGED	Spent solvents
PHYSICAL DESCRIPTION AND CONDITION	Spent solvents enter the waste storage tank through the two wet dumpsters located in the Solvent Return / Fill Station. The wet dumpsters can hold a maximum of 275 gallons each but are not intended for storage of liquid hazardous waste. Used solvent is poured into the wet dumpsters which have barrel washers enclosed within them. The container is then placed on roller brushes within the barrel washer. As the machine is turned on, the container rotates on the brush and the outside of the container is cleaned. A nozzle in the barrel washer sprays a stream of solvent into the bottom of the container to flush the inside of the container. The machine is then turned off and the container is removed. This process takes several seconds per container. The container is then refilled with clean solvent using a pump and nozzle assembly similar to a gasoline dispenser. The waste is transferred to the tank via piping and a pump. The used solvent is fed to a sump in the bottom of the wet dumpster and automatically pumped to the used parts washer solvent storage tank located in SWMU-2. A basket within the sump collects sludge from the cleaning operations. Periodically, this basket is removed and sludge is removed and placed into a sludge drum (SWMU-11 Satellite Accumulation Area) for disposal. The wet dumpsters are located in the

	return/fill station, which is underlain by a secondary containment trench below return/fill area.
HISTORY AND/OR EVIDENCE OF RELEASE(s)	None
RECOMMENDATION	No Further Action
COMMENTS	

SWMU-10 Return/Fill Station. This photograph was taken facing west. Photo taken by Jeff Curtis on June 12, 2012.



SWMU-10 Return/Fill Station. Figure 9.3-1 was taken from Safety Kleen's May 2012 Part B.

WASTE MANAGEMENT AREA /AREA OF CONCERN DATA SHEET

WASTE MANAGEMENT AREA/AREA OF CONCERN REFERENCE NUMBER	SWMU-11
NAME	Satellite Container Storage
TYPE OF UNIT	Storage
DESCRIPTION OF WASTE MANAGED	Sludges or dumpster muds from the wet dumpsters
PHYSICAL DESCRIPTION AND CONDITION	Satellite containers (Branch debris) are 55-gallons in size and steel construction.
HISTORY AND/OR EVIDENCE OF RELEASE(s)	None
RECOMMENDATION	No Further Action
COMMENTS	The Satellite Accumulation Area is located in SWMU-10. The Satellite Accumulation Area began operation in 2002.

SWMU-11 Satellite Container Storage. This photograph was taken facing north. Photo taken by Jeff Curtis on June 12, 2012.

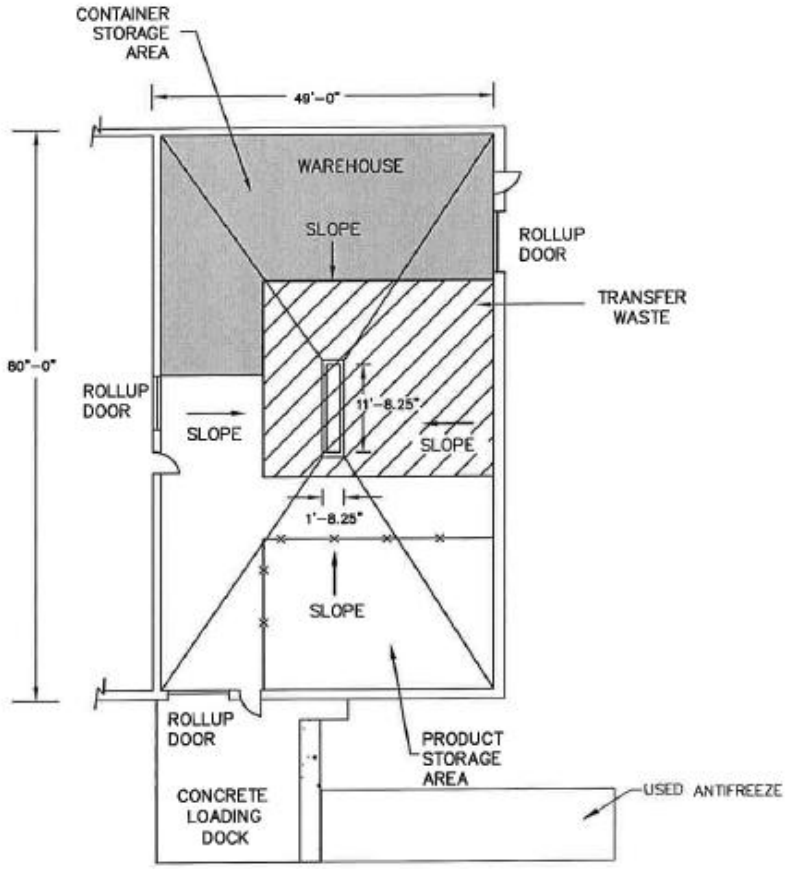
WASTE MANAGEMENT AREA /AREA OF CONCERN DATA SHEET

WASTE MANAGEMENT AREA/AREA OF CONCERN REFERENCE NUMBER	SWMU-12
NAME	Containerized Waste Loading/Unloading Dock
TYPE OF UNIT	Storage
DESCRIPTION OF WASTE MANAGED	Incoming and outgoing solid and hazardous wastes.
PHYSICAL DESCRIPTION AND CONDITION	This area is approximately 20'x28' covered building with a concrete floor.
HISTORY AND/OR EVIDENCE OF RELEASE(s)	None
RECOMMENDATION	No Further Action
COMMENTS	

Figure 8.1-1 below shows the location of the concrete loading dock, located south of the container storage area.

REVISION 0 – 05/23/12

FIGURE 8.1-1
CONTAINER STORAGE AREA
SAFETY-KLEEN SYSTEMS, INC. FACILITY
BOYNTON BEACH, FLORIDA



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0 20
FEET

LEGEND

CHAIN LINK FENCE

58585SAFKLN\CSAB 10-3-01 YMT REV 05-17-12

ERM.

Photo of SWMU-12

SWMU-12. Containerized Waste Loading/Unloading Dock. This photograph was taken facing west. Photo taken by Jeff Curtis on June 12, 2012. Note: See also the photograph of SWMU-7.

WASTE MANAGEMENT AREA /AREA OF CONCERN DATA SHEET

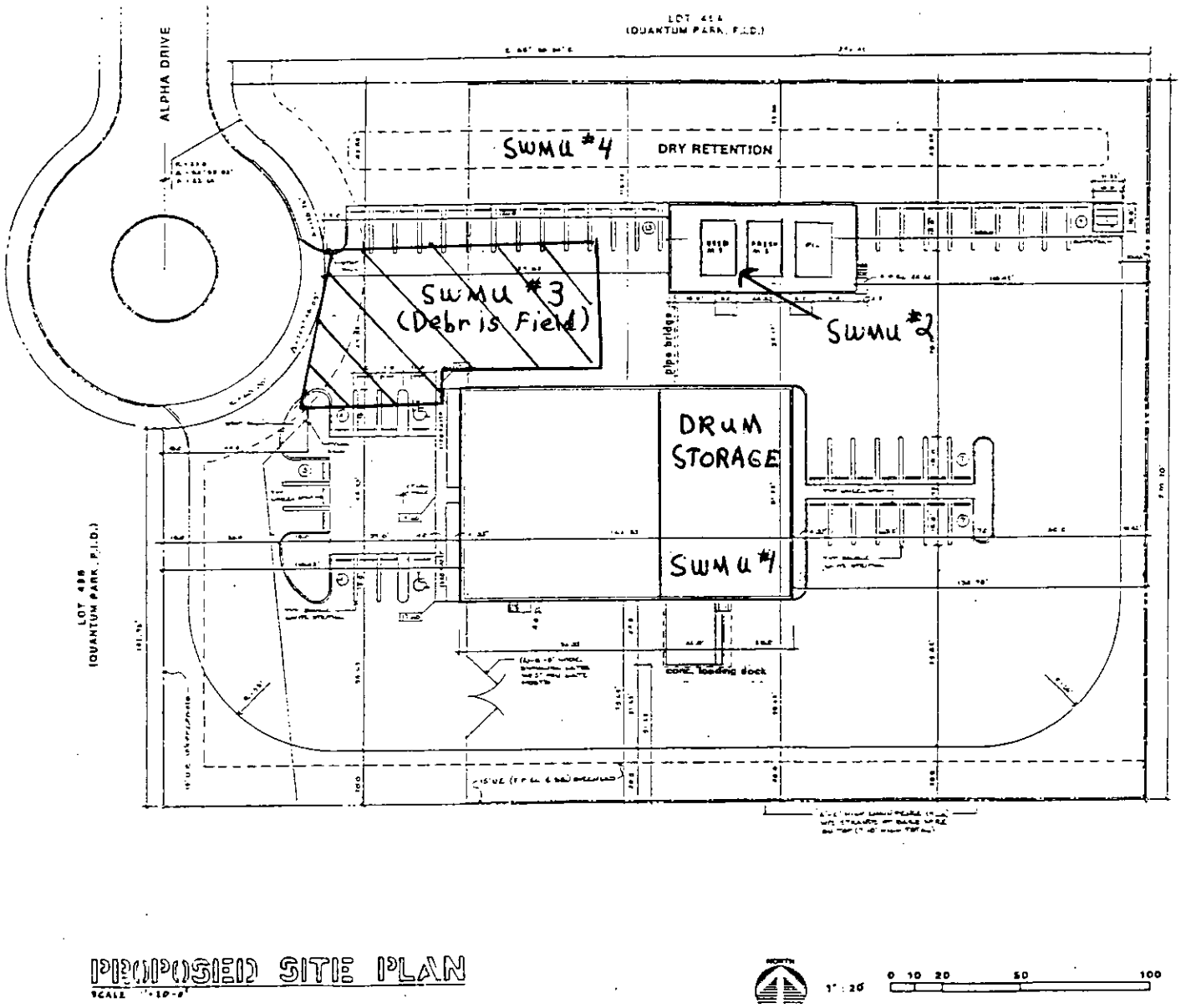
WASTE MANAGEMENT AREA/AREA OF CONCERN REFERENCE NUMBER	SWMU-13
NAME	Oily Water Tanker/Tank
TYPE OF UNIT	Storage
DESCRIPTION OF WASTE MANAGED	Oily water
PHYSICAL DESCRIPTION AND CONDITION	These units were formerly an 8,000 gallon steel tanker and an 8,000 gallon tank that were located within two separate portable Low Density Polyethylene secondary containment systems. The containment systems had a thickness of 40 mil. They were located outside on the parking lot's southeastern corner. In August 2012 the tanker and tank pictured below were removed and replaced with a Frac Tank for oily water storage. This Frac Tank lies within a portable Low Density Polyethylene secondary containment system. The containment system is 25′ x 55′ x 2′ and the thickness is 40 mil. The Frac Tank has a capacity of 18,000 gallons and the dimensions are 40′ x 8′ x 9′.
HISTORY AND/OR EVIDENCE OF RELEASE(s)	None
RECOMMENDATION	No Further Action
COMMENTS	

SWMU-13. Oily Water Tanker. Picture facing east. Photo taken by Jeff Curtis on August 24, 2012

SWMU-13. Oily Water Tanker. Picture facing east. This tanker is no longer used. Photo taken by Jeff Curtis on June 12, 2012

The photograph above was taken facing east/southeast during the June 16, 2011 site inspection, showing a different collection tank. This tank is no longer used. Photograph by Kathy Winston of the FDEP Southeast District.

7.0 SWMU Location Maps



This figure is from the August 1990 RFA and shows the locations of SWMUs -1 through -4. SWMU-3 no longer exists.

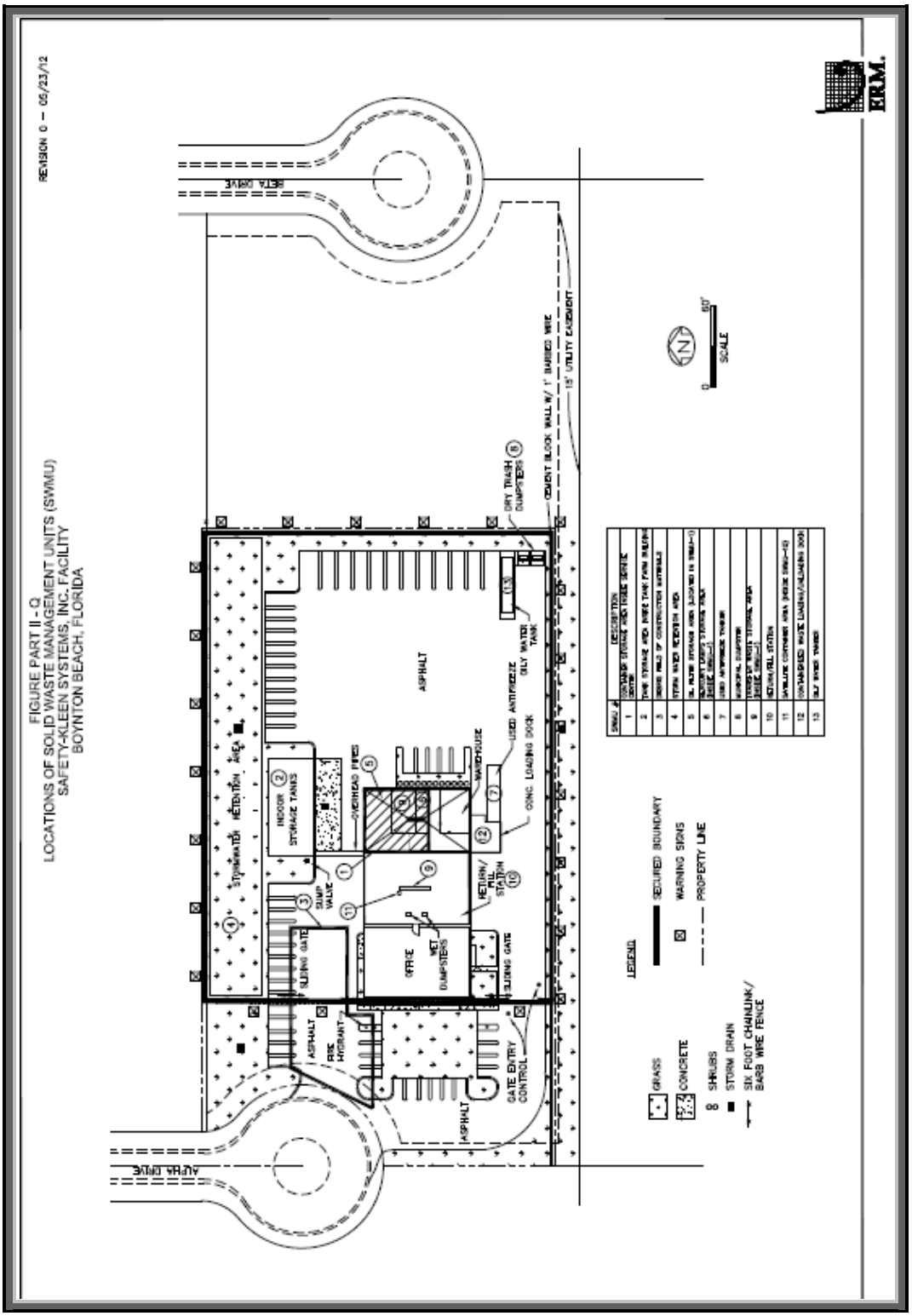


Figure Part II.Q Locations of Solid Waste Management Units (SWMUs) is from the May 2012 Part B and shows the locations of existing SWMUs.

8.0 Potential Solid Waste Management Units (SWMUs)

Date	Material	Amount (gallons)	Circumstance
7/30/03	Used Oil	20	Overfilled tanker onto tank farm containment pad.
3/3/05	Used Oil	1	Oil leaked out of hose onto pavement at tank farm containment pad.
6/14/05	Solvent	520	Overfilled tank into secondary containment in tank farm.
6/14/05	Photo Fixer	10	Container fell off pallet while in movement and spilled onto container storage area floor.
7/25/05	Used Oil	2	Lid came off of container and spilled onto container storage area floor.
10/20/05	Used Oil	60	Valve cap broke on pump and spilled into tank farm containment pad.
11/22/05	Lacquer Thinner	2	Container punctured by forklift and spilled onto container storage area floor
2/23/06	Used Oil	2	Oil filter drum fell off pallet during movement and spilled onto floor in the return/fill bay.
3/16/06	Used Oil	60	Atlantic Industrial tanker leaked oil onto parking lot
4/19/06	Lacquer thinner	10	Container fell off pallet during movement and spilled onto container storage area floor.
6/21/06	Used Oil	20	Hose broke while pumping oil spraying onto tank farm containment pad.
10/12/06	Used Oil	50	Valve left on while disconnecting coupling spilling oil onto tank farm containment pad, oil then migrated to the swail next to the tank farm due to the fact that it was raining heavily at the time of release.
3/22/07	Aqueous MPC	15	Material spilled out of pump hose onto container storage area floor.
11/12/07	Used Oil	40	Used oil overflowed tanker into tank farm containment pad.
10/02/08	Solvent	1	Solvent spilled out of a parts washer onto pavement at loading/unloading dock.
12/10/08	Used Oil	1	While on-loading used oil onto tanker hose stretched tight and broke seal allowing one gallon of used oil to spill into the tank farm containment pad.
1/14/09	Used Oil	2	Gasket failed on tanker truck spilling two gallons of used oil onto tank farm containment pad.
5/20/09	Used Oil	3	Transfer driver left cap off the used oil line at the tank farm and oil back flowed onto tank farm containment pad.
6/25/09	Oily Water	1	Oil filter drum had accumulated rain water inside of it and blew over spilling material onto parking lot.
7/23/09	Used Oil	15	3rd party oil transporter spilled used oil into tank farm containment dike inside tank farm.
10/27/09	Solvent	2	Solvent leaked out of parts washer onto the container storage area floor.

2/23/10	Non-hazardous liquid	30	While moving pallet of containers with forklift the pallet gave way and one drum fell to the floor causing the rim to bend and material to be released to the container storage area floor.
4/29/10	Oily Water	10	Vacuum truck hose began leaking while off-loading spilling material to the tank farm containment pad.
9/27/10	Acid	1	Drum seal was compromised and began leaking material onto container storage area floor. (transfer waste storage area).
6/6/11	Oily Water	80	Hose on 3rd party transporter came free while on-loading oily water causing material to spill onto the tank farm containment pad.
2/29/12	Oily Water	5	Camlock on hose was not connected properly allowing material to be spilled onto tank farm containment pad.

9.0 Index