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Sent via eMail & Fed Ex

April 29, 2022

Jason Baiocchi, Environmental Permit Specialist (MC-124)
Texas Commission on Environmental Quality
MSW Permits
12100 Park 35 Circle, Building F
Austin, Texas 78753
(512) 239-0562
Jason.Baiocchi@tceq.texas.gov

Re: TCEQ MSW Registration No. 40327Application
3/9/2022 NOD Response (TCEQ Tracking No. 27190528)
Safety-Kleen Systems, Inc. / Clean Harbors Environmental Services, Inc.
Denton, TX

Dear Mr. Baiocchi:

Enclosed you will find the facility's completed TCEQ Correspondence Cover Sheet Form (TCEQ-20714) and responses for the referenced matter. The format of this response provides the TCEQ NOD table with a column added relative to the facility's response that provides the information as stipulated in the 3/9/2022 NOD email. Be advised redline and ~~strike-through~~ pages precede associated replacement and new (e.g., attachments) pages to be inserted into the subject application. Additionally, Enclosure 16 provides new Application for a Medical Waste Registration Section 6 signatory pages to be inserted into the application.

Please contact me if you have any questions or comments concerning these matters at desha.david@cleanharbors.com or (423) 413-1218.

Sincerely,

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

Enclosures

cc: Erin Gorman, Waste Section Manager
TCEQ
2309 Gravel Dr
Fort Worth TX 76118-6951

Facility File

Texas Commission on Environmental Quality

Waste Permits Division Correspondence Cover Sheet

Date: 4/29/2022
Facility Name: Safety-Kleen Systems, Inc.
Permit or Registration No.: 40327

Nature of Correspondence:
☐ Initial/New
☒ Response/Revision to TCEQ Tracking No.: 27190528 (from subject line of TCEQ letter regarding initial submission)

Affix this cover sheet to the front of your submission to the Waste Permits Division. Check appropriate box for type of correspondence. Contact WPD at (512) 239-2335 if you have questions regarding this form.

Table 1 - Municipal Solid Waste Correspondence

Applications	Reports and Notifications
☐ New Notice of Intent	☐ Alternative Daily Cover Report
☐ Notice of Intent Revision	☐ Closure Report
☐ New Permit (including Subchapter T)	☐ Compost Report
☐ New Registration (including Subchapter T)	☐ Groundwater Alternate Source Demonstration
☐ Major Amendment	☐ Groundwater Corrective Action
☐ Minor Amendment	☐ Groundwater Monitoring Report
☐ Limited Scope Major Amendment	☐ Groundwater Background Evaluation
☐ Notice Modification	☐ Landfill Gas Corrective Action
☐ Non-Notice Modification	☐ Landfill Gas Monitoring
☐ Transfer/Name Change Modification	☐ Liner Evaluation Report
☐ Temporary Authorization	☐ Soil Boring Plan
☐ Voluntary Revocation	☐ Special Waste Request
☐ Subchapter T Disturbance Non-Enclosed Structure	☐ Other:
☒ Other: **Medical Waste Facility Application NOD Response**	

Table 2 - Industrial & Hazardous Waste Correspondence

Applications	Reports and Responses
☐ New	☐ Annual/Biennial Site Activity Report
☐ Renewal	☐ CPT Plan/Result
☐ Post-Closure Order	☐ Closure Certification/Report
☐ Major Amendment	☐ Construction Certification/Report
☐ Minor Amendment	☐ CPT Plan/Result
☐ CCR Registration	☐ Extension Request
☐ CCR Registration Major Amendment	☐ Groundwater Monitoring Report
☐ CCR Registration Minor Amendment	☐ Interim Status Change
☐ Class 3 Modification	☐ Interim Status Closure Plan
☐ Class 2 Modification	☐ Soil Core Monitoring Report
☐ Class 1 ED Modification	☐ Treatability Study
☐ Class 1 Modification	☐ Trial Burn Plan/Result
☐ Endorsement	☐ Unsaturated Zone Monitoring Report
☐ Temporary Authorization	☐ Waste Minimization Report
☐ Voluntary Revocation	☐ Other:
☐ 335.6 Notification	
☐ Other:	

Municipal Solid Waste Registration No. 40327
Safety-Kleen Systems

Table of Deficiencies

NOD ID	App. Part	Citation	Location	NOD Type	NOD Description	Response
1	TCEQ-20789 Form		Pg. 3 of 74, Section 1.1	Comment Only	Facility name in our records will not include "Inc." as written in the **Facility name**	**Noted – No change made**
2	TCEQ-20789 Form	§326.61(h)	Pg. 3 of 74, Section 1.1	Incomplete	Mark box for **Storage** in **Activities conducted at facility** section	Box checked in Section 1.1 now on page 3 – - **Enclosure 1**.
3	TCEQ-20789 Form	§326.71(a)(5)(C)	Pg. 8 of 74, Section 2.1	Incorrect	Use straight line distance in **Indicate the distance to the nearest residence(s)** section	Revised distance and location in the Section 2.1 now on page 8 – **Enclosure 2**.
4	TCEQ-20789 Form	§326.71(a)(5)(C)	Pg. 8 of 74, Section 2.1	Incorrect	There appears to be a closer residence southwest of the facility along Spring Valley Dr. than the one provided on Old North Road	Revised the nearest residence to Spring Valley Drive and noted the straight line distance from project location in Section 2.1 now on page 8 - **Enclosure 2**.
5	TCEQ-20789 Form	§326.71(f)	Pg. 9 of 74, Section 2.3	Omitted	Include flood plain zone designation, **AE**, in **Identify the floodplain zone**, as given in Attachment 11 FEMA map	FEMA map AE designation noted in Section 2.3 on page 9 – **Enclosure 3**.
6	TCEQ-20789 Form	§326.71(i)(1)	Pg. 10 of 74, Table 3	Incomplete	Include any refrigerated units as referenced on Pg. 23 of 74, Section 5.1, Paragraph 1	Page 10, Table 3 revised and new Attachment 5.1 added – **Enclosure 4**. Attachment 5.1 should be inserted between Pages 26 and 27.
7	TCEQ-20789 Form	§326.71(i)(2)	Pg. 11 of 74	Incomplete	Include description of construction materials for slab and subsurface supports	Slab and rebar explanation noted in Section 2.5 on page 11 – **Enclosure 5**.
8	TCEQ-20789 Form	§326.71(k)(3)	Pg. 12 of 74, Section 3.1	Omitted		Requirement for completion of closure plan within 180 days added to Section 3.1 page 12 – **Enclosure 6**.
9	TCEQ-20789 Form	§326.71(l)(1)	Pg. 12 of 74, Section 3.1	Omitted		Requirement to notice closure no later than 90 days prior in newspapers added to Section 3.1 on page 12 - **Enclosure 6**.
10	TCEQ-20789 Form	§326.71(m)(1)(B)	Pg. 13 of 74, Table 4	Incorrect	Closure cost estimate must be based on the cost of hiring a third party not affiliated with the owner or operator	Closure cost Table 4 has been revised based on the cost of hiring a third party licensed professional engineer not affiliated with the applicant. See page 13 and supporting document - **Enclosure 7**.
11	TCEQ-20789 Form	§326.71(m)(1)(B)	Pg. 13 of 74, Table 4	Inconsistent	Revise total quantity in Items 5 and 6 (80,000 lbs) to match with maximum waste stored (100,000 lbs) on Pg. 19 of 74	Table 4 has the revised amount from 80,000 to 100,000 pounds on page 13 - **Enclosure 7**.

Table of Deficiencies

NOD ID	App. Part	Citation	Location	NOD Type	NOD Description	Response
12	TCEQ-20789 Form	§326.71(m)	Pg. 14 of 74, Table 4	Incomplete	Include subtotal amount in Item 4	Subtotal has been calculated in Table 4 on page 14 - **Enclosure 7**.
13	TCEQ-20789 Form	§326.71(m)	Pg. 14 of 74, Table 4	Incomplete	Include percentage of closure cost estimate subtotal used to obtain Contingency Cost in Item 16	A contingency cost of 15% has been factored in and added to Table 4 on page 14 - **Enclosure 7**.
14	TCEQ-20789 Form	§326.75(a)(1)	Pg. 15 of 74, Section 4.1	Incomplete	Clarify personnel positions and their functions	Reference to a new Attachment 4.1 added in Section 4.1. See page 15 and insert new Attachment 4.1 between Pages 15 and 16 - **Enclosure 8**.
15	TCEQ-20789 Form	§326.75(a)(3)(A)	Pg. 15 of 74, Section 4.1	Incomplete	The facility must include random inspections of packaging from incoming loads for prohibited wastes	Detail of how inspections will be conducted has been revised in Section 4.1 to address the request. See page 15 - **Enclosure 8**.
16	TCEQ-20789 Form	§326.75(h)(3)	Pg. 15 of 74, Section 4.1, Pg. 28 of 74, Paragraph 2	Omitted	Provide procedures for actions taken when prohibited waste is found in an incoming shipment. Include that any prohibited waste will immediately be returned to the transporter or generator.	Specific action steps in the event prohibited waste has been found has been added to Section 4.1 so that the prohibited waste can be returned or appropriately disposed of. See page 15 - **Enclosure 8**.
17	TCEQ-20789 Form	§326.75(b)	Pg. 19 of 74, Section 4.2	Ambiguous	Reorganize accepted wastes list to clearly distinguish different waste types. Non-hazardous pharmaceutical waste and trace chemotherapy waste are not considered medical waste.	Section 4.20 has been rewritten to separate out what is considered medical waste and separately referencing non-hazardous pharmaceutical waste and trace chemotherapy waste. See page 19 - **Enclosure 9**.
18	TCEQ-20789 Form	326.53(b)(11)	Pg. 20 of 74, Section 4.2	Incomplete	Include that waste will be transferred to authorized waste facilities	This has been added to Section 4.2 on page 20 - **Enclosure 10**.
19	TCEQ-20789 Form	§326.75(i)	Pg. 20 of 74, Section 4.5, Pgs. 24 and 25 of 74, Section 4.5	Ambiguous	Clarify “as needed” hours of operations on weekends and holidays	Office hours are M-F as noted. Operation hours have been revised to 24/7 with the explanation as to why extra hours are included in Section 4.5. Please see **Enclosure 10**.
20	TCEQ-20789 Form	§326.75(d)(2)	Pg. 23 of 74, Section 5.1	Incomplete	Provide more detailed information on referenced vector control program for the facility	Added detail has been added to Section 5.1 to describe daily maintenance and exterminator use to control vectors on Page 23 - **Enclosure 11**.

Table of Deficiencies

NOD ID	App. Part	Citation	Location	NOD Type	NOD Description	Response
21	TCEQ-20789 Form		Pg. 23 of 74, Section 5.1	Inconsistent	Remove sentence that "medical waste is by and large not putrescible"	This sentence from Section 5.1 has been removed. Please see page 23 - **Enclosure 11**.
22	Attachment 2	§326.71(h)(3)	Pg. 38 of 74	Omitted	Show buffer zone on **Facility Layout Map**	The 25-foot buffer zone between medical waste operations and the property boundaries has been noted on the layout map found on page 37 - **Enclosure 12**.
23	Attachment 9	§326.71(a)(2)(I)	Pg. 57 of 74	Ambiguous	Show locations waste will be stored at inside of Building 12 and location of refrigerated unit	Building 12 is depicted on Page 58 (i.e., Page 57 is Building 7). Page 58 previously indicated medical waste storage areas outlined in red. Page 58 has been revised to better indicate where those areas are located within Building 12 and to indicate the location of the refrigeration unit - **Enclosure 13**.
24	Attachment 12	§326.71(g)	Pg. 64 of 74	Incomplete	Provide response from COG Review Request Coordination Letter	COG has been contacted and has acknowledged receipt of the application. See **Enclosure 14** and insert that document after Page 64.
25		§326.7		Omitted	Provide narrative on any additional operations and authorizations within the proposed registration boundary. Include any shared road/accessibility to the medical waste transfer station and the other sites, if the hours of operation from different operations on site may affect each other, and if there are any closure plans from other operations that may impact this medical waste registration.	Appendix 1 has been newly created – see **Enclosure 15**. Insert Appendix 1 between Pages 7 and 8.

Enclosure 1

Section 1—General Information

1.1 Facility Information (must match regulated entity information on Core Data Form)

Facility Name: Safety-Kleen Systems, Inc.

Regulated Entity Reference No. (if issued): RN 100215441

Physical or Street Address (if available): 1722 Cooper Creek Rd

City: Denton County: Denton State: TX Zip Code: 76208

(Area Code) Telephone Number: 940-483-5255 Email Address: wingert.jon@cleanharbors.com

Latitude (Degrees, Minutes, Seconds, or Decimal Degrees): 33.237210

Longitude (Degree, Minutes, Seconds, or Decimal Degrees): -97.082250

Activities Conducted at the Facility (check all that apply)

☒ Storage ☐ Treatment ☒ Transfer ☐ Other:

Describe the location of the facility with respect to known or easily identifiable landmarks: Travel Loop 288 at Hwy 30 / McKinney exit

Detail access routes from the nearest United States or state highway to the facility:

Take McKinney exit and turn East (Right). Take 380 East for 1/4 mile to Cooper Creek Rd. Turn North (Left) onto Cooper Creek Road. Facility is located on the East (Right) side of Rd.

1.2 Applicant Information

The owner of a facility is the applicant, to whom the registration would be issued.

Owner of Facility (must match customer information on Core Data Form)

Owner Name: Clean Harbors Environmental Services

Contact Person's Name: Jon Wingert Title: General Manager

Customer Reference No. (if issued): CN 600322796

Mailing Address: 1722 Cooper Creek Road

City: Denton County: Denton State: TX Zip Code: 76208

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Enclosure 2

Section 2—Facility Design Information

2.1 Impact on Surrounding Area [30 TAC §326.71(a)(5)(A) & (B)]

This section addresses the facility's impacts on cities, communities, groups of property owners, or individuals (attach additional pages to answer the following questions, if necessary):

Describe the character of the surrounding area land uses within one mile of the facility:

This location is in an industrial area with a business climate of auto repair, industrial and industrial users east of Hwy 288 Truck and north of US Route 377.

Identify growth trends within five miles of the facility with directions of major development:

There are no growth trends to speak of, the area being developed. The area west of Hwy 288 within 5 miles is primarily residential and commercial development to the east.

Indicate the approximate number of residences and other uses (e.g. schools, churches, cemeteries, historic structures and commercial sites, etc.) within one mile of the facility:

There is a church approximately 1/4 mile northeast of the facility and an additional church and elementary school are just at the edge of the 1 mile radius to the northwest, but no , cemeteries, historic structures are within 1 mile. Several commercial and industrial sites are within the 1-mile radius as previously noted.

Indicate the distance to the nearest residence(s): ~~6000~~ 2125 ☒ feet ☐ miles

Provide directions to the nearest residence(s):

~~Go west from the property on Mingo Road for approximately 1 mile. Turn north on Old North Road and travel approximately 1/4 mile to enter the residential development.~~

Go south on Cooper Creek Road to East University Drive. Go west to Spring Valley Road North. Continue to street end.

Indicate the distance to the nearest commercial establishment(s): 300 ☒ feet ☐ miles

Provide directions to the nearest commercial establishment(s):

The nearest commercial establishment (auto repair) is across the street from the property.

2.2 Transportation [30 TAC §326.71(e)]

Access Roads

Complete Table 1 regarding the roads that will be used to access the site.

Table 1. Roads That Will be Used to Access the Site.

Name of Road	Surface Type and Number of Lanes

Section 2—Facility Design Information

2.1 Impact on Surrounding Area [30 TAC §326.71(a)(5)(A) & (B)]

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Provide directions to the nearest residence(s):

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The nearest commercial establishment (auto repair) is across the street from the property.

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Name of Road	Surface Type and Number of Lanes

Enclosure 3

Name of Road	Surface Type and Number of Lanes
Cooper Creek Road	Asphalt 2 lane
Mingo Road	Asphalt 2 lane

Daily Traffic Volume

Complete Table 2 regarding existing and expected volume of vehicular traffic on access roads within one mile of the facility, and the projected volume of traffic expected to be generated by the facility on access roads within one mile of the facility.

Table 2. Traffic Volume.

Vehicle Traffic	Volume (vehicles per day)
Existing Vehicle Traffic	1040
Expected Vehicle Traffic	1040
Projected Vehicle Traffic Generated by Facility	1 additional vehicle

Describe the source of or method used to obtain the volumes (attach additional pages to answer this question if necessary):

TX DOT 2020 District Traffic Web Viewer

If traffic volume was determined by counts in the field, indicate the locations where thecounts were conducted (attach additional pages to answer this question if necessary):

_____

2.3 Floodplain and Wetlands [30 TAC §326.71(f)]

Will the facility be located within a 100-year floodplain?

Yes ☐ No ☒ Identify the floodplain zone AE

Attach a copy of the Federal Emergency Management Administration administrator (FEMA)flood map for the area.

If the facility will be within a 100-year floodplain, attach documentation demonstrating that the facility is designed and will be operated in a manner to prevent washout of waste during

Name of Road	Surface Type and Number of Lanes
Cooper Creek Road	Asphalt 2 lane
Mingo Road	Asphalt 2 lane

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Complete Table 2 regarding existing and expected volume of vehicular traffic on access roads within one mile of the facility, and the projected volume of traffic expected to be generated by the facility on access roads within one mile of the facility.

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Enclosure 4

a 100-year storm event, or that the facility has obtained a conditional letter of map amendment from the FEMA.

Will the facility be located in wetlands?

Yes ☐ No ☒

If yes, attach documentation to the extent required under Clean Water Act, §404 or applicable state wetlands laws.

2.4 Buffer Zones and Easement Protection [30 TAC §326.71(h)(3)]

Is the buffer zone in any location at the facility less than 25 feet wide?

Yes ☐ No ☒

If yes, describe your alternative buffer zone and how it will allow access for emergency response and maintenance (attach additional pages to answer this question if necessary):

_____

2.5 Waste Management Unit Designs [30 TAC §326.71(i)]

Waste Management Unit Details

List each waste management unit in Table 3. Include attachments documenting manufacturer specifications.

Table 3. Design Details and Manufacturer Specifications for Waste Management Units.

Unit Type	Minimum Number of Units	Design Details	Approximate Dimensions	Approximate Capacity per Unit
~~None~~ Refrigerated Trailer	1	See Attachment 5.1	52'x8'	30,000 lbs

a 100-year storm event, or that the facility has obtained a conditional letter of map amendment from the FEMA.

Will the facility be located in wetlands?

Yes ☐ No ☒

If yes, attach documentation to the extent required under Clean Water Act, §404 or applicable state wetlands laws.

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Table 3. Design Details and Manufacturer Specifications for Waste Management Units.

Unit Type	Minimum Number of Units	Design Details	Approximate Dimensions	Approximate Capacity per Unit
Refrigerated Trailer	1	See Attachment 5.1	52'x8'	30,000 lbs

Attachment 5.1

SB-130, SB-230 and SB-330

TK 54731-2-OP (Rev. 1, 04/2011)

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Printed in USA


THERMO KING

Unit Description

Unit Overview

The Thermo King SB-130, SB-230 and SB-330 are one piece, self-contained, diesel powered, air cooling/heating units operating under the control of a SMART REEFER 3 (SR-3) programmable microprocessor controller. Each unit mounts on the front of the trailer with the evaporator extending through an opening in the front wall.

The units feature cooling and heating using a quiet running engine from the Thermo King TK486 engine family.

The units are available in the following models:

SB-130 30: Cooling and heating on diesel engine operation.

SB-230 30: Cooling and heating on diesel engine operation.

SB-230 50: Cooling and heating on diesel engine operation and electric standby operation.

SB-330 30: High capacity cooling and heating on diesel engine operation. Designed for engine operation at a high speed of 2600 rpm.

The Electronic Throttling Valve (ETV) provides enhanced control of the refrigeration system. The ETV is optional on the SB-130 and SB-230, and standard on the SB-330. See "Electronic Throttling Valve" on page 31.

Figure 7: Front View

Specifications

Engine

Model: SB-130 and SB-230 SB-330	TK486V (Tier 2) TK486VH (Tier 2)
Number of Cylinders	4
Cylinder Arrangement	In-line vertical, number 1 on flywheel end
Firing Order	1-3-4-2
Direction of Rotation	Counterclockwise viewed from flywheel end
Fuel Type	No. 2 diesel fuel under normal conditions No. 1 diesel fuel is acceptable cold weather fuel
Oil Capacity	13 quarts (12.3 liters) crankcase and oil filter Fill to full mark on dipstick
Oil Type	API Classification CI-4 or better (ACEA Rating E3 or better for Europe)

Engine

Oil Viscosity	14 F to 122 F (-10 C to 50 C): SAE 15W-40 (Synthetic) 5 to 104 F (-15 to 40 C): SAE 15W-40 -13 to 104 F (-25 to 40 C): SAE 10W-40 -13 to 86 F (-25 to 30 C): SAE 10W-30 -22 to 122 F (-30 to 50 C): SAE 5W-40 (Synthetic) Below -22 F (-30 C): SAE 0W-30 (Synthetic)
Engine rpm: SB-130 and SB-230 Low Speed Operation SB-130 and SB-230 High Speed Operation SB-330 Low Speed Operation SB-330 High Speed Operation	 1450 ± 25 rpm 2200 ± 25 rpm 1450 ± 25 rpm (1720 ± 25 rpm with High Capacity Fresh Option) 2600 ± 25 rpm
Engine Oil Pressure	The microprocessor will display OK if the oil pressure is within the acceptable range and LOW if the oil pressure is below the acceptable range.
Low Oil Pressure Switch (Normally Closed)	17 ± 3 psi (117 ± 21 kPa)
Engine Coolant Thermostat	160 F (71 C)

Engine

Engine Coolant Type	ELC (Extended Life Coolant), which is "RED" Use a 50/50 concentration of any of the following equivalents: Chevron Dex-Cool Texaco ELC Havoline Dex-Cool® Havoline XLC for Europe Shell Dexcool® Shell Rotella Saturn/General Motors Dex-Cool® Caterpillar ELC Detroit Diesel POWERCOOL® Plus ***CAUTION: Do not add "GREEN" or "BLUE-GREEN" conventional coolant to cooling systems using "RED" Extended Life Coolant, except in an emergency. If conventional coolant is added to Extended Life Coolant, the coolant must be changed after 2 years instead of 5 years.***
Coolant System Capacity	7.5 quarts (7.1 liters)
Radiator Cap Pressure	7 psi (48 kPa)

Engine

Drive:	Model 30	Direct to compressor; belts to fans, alternator, and water pump
	Model 50	Centrifugal clutch to compressor; belts to electric standby motor, fans, alternator, and water pump

Belt Tension

	Tension No. on TK Gauge P/N 204-427	
Model 30	**New Belt**	**Field Reset**
Alternator Belt:		
SB-130 and SB-230 with 37 Amp Alternator	74	71
SB-130 and SB-230 with 65 Amp Alternator	75	72
SB-330 with 37 Amp Alternator	73	70
SB-330 with 65 Amp Alternator	74	71
Lower Fan Belt (Engine to Idler):		
SB-130 and SB-230	88	84
SB-330	87	84
Upper Fan Belt (Fan to Idler)	88	85

Belt Tension

Model 50 (SB-230 Only)		
Alternator Belt:		
14 HP Electric Motor and 37 Amp Alternator	76	73
14 HP Electric Motor and 65 Amp Alternator	77	74
24 HP Electric Motor and 37 Amp Alternator	74	71
24 HP Electric Motor and 65 Amp Alternator	75	72
Compressor Drive Belts	94	91
Fan Belt: 14 HP Electric Motor	91	88
24 HP Electric Motor	90	86
Water Pump Belt	74	71

Refrigeration System

Compressor: SB-130	Thermo King X426LSC5
SB-230 and SB-330	Thermo King X430LSC5
Refrigerant Charge—Type: SB-130 and SB-230	13 lb (5.9 kg)—R404A
SB-330	16 lb (7.3 kg)—R404A
Compressor Oil Charge	4.3 qt (4.1 liters)*
Compressor Oil Type	Polyol Ester type P/N 203-513
Heat/Defrost Method: Engine Operation	Hot gas
Electric Operation	Hot gas and electric heater strips
**** When the compressor is removed from the unit, oil level should be noted or the oil removed from the compressor should be measured so that the same amount of oil can be added before placing the replacement compressor in the unit.***	

Electrical Control System

Voltage	12.5 Vdc
Battery	One, group C31, 12 volt, (950 CCA recommended for operation below -15 F [-26 C])
Fuses	See "Fuses" on page 85.
Battery Charging	12 volt, 37 amp, brush type, Thermo King Alternator (65 amp alternator optional)
Voltage Regulator Setting	13.95 to 14.35 volts @ 77 F (25 C)
NOTE: Fuse F4 (Bypass resistor for Prestolite Alternator) must be removed for the Thermo King Alternator. Thermo King Alternators are painted black.	

Electrical Standby (Model 50 Units Only)

Electric Motor and Overload Relay

Voltage/Phase/Frequency	Horsepower	Kilowatts	rpm	Full Load (amps)	Overload Relay Setting (amps)
230/3/60	14.0	10.4	1755	37.8	38
460/3/60	14.0	10.4	1755	18.9	20
460/3/60	24.0	17.9	3500	29	31

Electric Heater Strips

Number	3
Watts	1000 watts (each)
Resistance	48 ohms (each)

Standby Power Cord Requirements

Supply Circuit Breaker: 14 HP Motor 230/3/60	70 amps
14 HP Motor 460/3/60	40 amps
24 HP Motor 460/3/60	60 amps
Extension Cord Size: 14 HP Motor 230/3/60	8 AWG Power Cable, 25 to 50-foot length
14 HP Motor 230/3/60	6 AWG Power Cable, 75-foot length
14 HP Motor 460/3/60	10 AWG Power Cable, up to 75-foot length
24 HP Motor 460/3/60	8 AWG, 4-Conductor, 2000V, Type W Power Cable, up to 75-foot length

Electric Fuel Heater (Optional)

Electric Fuel Heater: Resistance Current Draw at 12.5 Vdc Internal Thermostat Minimum Closing Temp. Internal Thermostat Maximum Opening Temp.	0.9 to 1.1 ohms 11.4 to 13.9 amps 30 F (-1 C) 75 F (24 C)
W Fuse	3 amps
Diesel Power Fuse	3 amps
2A/2FH Circuit Breaker	20 amps, manual reset

Enclosure 5

Foundations and Supports

Provide a generalized description of construction materials for slab and subsurface supports of all storage and processing components (attach additional pages to answer this question if necessary):

All operations will be within existing buildings. Construction materials for slab and subsurface supports are concrete footers and reinforced rebar in the slab.

Contaminated Water Management

Describe how storage and processing areas will be designed to control and contain spills and prevent contaminated water from leaving the facility. For unenclosed containment areas, also account for precipitation from a 25-year, 24-hour storm (attach additional pages to answer this question if necessary):

All medical waste remains in sealed containers that meet all requirements to be leak proof, rodent proof with tight fitting lids and appropriate labels. Containers are not opened, emptied nor consolidated. There is no cleaning nor use of water in this operation. Containers will be stored in the warehouse or on vehicles at all times. Each vehicle and the warehouse have spill kits should the need arise. The transfer station has aspill kit which contains first aid kit, personal protective equipment (gloves, goggles, face mask, shoe covers, disposable gown), absorbent materials, forceps, biohazard bags, disinfectant, dustpan and brush. Additionally, bleach, disinfectant wipes, shovel, broom, extra supplies of biohazardous and sharps waste containers, red biohazard bags and fire extinguisher are located within the facility. An eyewash station is available and easily accessible within the facility. The vehicles are all equipped with a spill kit, same as above.

2.6 Treatment Requirements [30 TAC §326.71(j)]

Attach a written procedure for the operation and testing of any equipment used, and for the preparation of any chemicals used in treatment.

No treatment of waste is done at this location.

Foundations and Supports

Provide a generalized description of construction materials for slab and subsurface supports of all storage and processing components (attach additional pages to answer this question if necessary):

All operations will be within existing buildings. Construction materials for slab and subsurface supports are concrete footers and reinforced rebar in the slab.

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Attach a written procedure for the operation and testing of any equipment used, and for the preparation of any chemicals used in treatment.

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Enclosure 6

Section 3—Facility Closure

3.1 Closure Plan [30 TAC §326.71(k)]

The operator must comply with the closure requirements listed in 30 TAC §326.71(k).

List other activities that the facility will conduct during closure, if any (attach additional pages to answer this question if necessary):

The purpose of this project is the to bring medical waste into the facility and send it out to other permitted facilities for treatment and disposal. As such there is no finite life to this operation and no anticipated closure. Should operations cease all incoming waste will be diverted to other Company locations, and any waste at the facility will be transferred to other permitted Company sites. Additionally the following steps will be taken:

TCEQ will be immediately notified of the intent to close and the anticipated date of final closure. Notification of the closure will be published in appropriate newspapers no later than 90 days prior and all closure activities will be completed within 180 days of notification. ~~All surfaces where waste had been stored will be thoroughly cleaned using a two step process of removing any dry debris followed by wet cleaning with an approved disinfectant solution. All cleaning and closure operations for medical waste will be conducted by Clean Harbors personnel.~~

All waste will be removed from the facility and transported to another off site facility for treatment.

All storage areas of the trucks used to transport medical waste will be cleaned and disinfected.

The containers are generally received in clean condition; any empty containers will be cleaned, removed and relocated.

Walls and floors in and around the biohazard storage area will be cleaned and disinfected thoroughly, as well as our transport van cargo area.

All signs designating medical waste will be removed.

All surfaces within the designated storage area including walls and floors will be disinfected with an approved hard surface disinfectant solution of enough concentration to “high level” disinfect the area.

If the trucks will continue to operate as medical waste transport vehicles the trucks will be routed to othe Clean Harbors facilities as needed.

The records shall be kept for 3 years after closure.

Section 3—Facility Closure

3.1 Closure Plan [30 TAC §326.71(k)]

The operator must comply with the closure requirements listed in 30 TAC §326.71(k).

List other activities that the facility will conduct during closure, if any (attach additional pages to answer this question if necessary):

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TCEQ will be immediately notified of the intent to close and the anticipated date of final closure. Notification of the closure will be published in appropriate newspapers no later than 90 days prior and all closure activities will be completed within 180 days of notification.

All waste will be removed from the facility and transported to another off site facility for treatment.

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The records shall be kept for 3 years after closure.

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Enclosure 7

3.2 Closure Cost Estimate [30 TAC §326.71(m)]

Provide itemized closure cost estimates in Table 4. The cost estimates must meet therequirements listed in 30 TAC §326.71(m).

Attach documents detailing any additional unit closure costs not itemized. Enter the total ofthose additional unit closure costs on line 13 of the closure cost worksheet in Table 4.

Table 4. Closure Cost Estimates Worksheet.

Item No.	Item Description	Unit of Measure-ment	Quantity	Unit Cost	Total Cost
1	Site Evaluation and Engineering Review	NA	~~N/A~~ 1	7000	7000
2	Bid Document and Procurement	NA	~~N/A~~ 80 hrs.	75	6000
3	Contract Award and Administration	NA	~~N/A~~ 10 hrs.	125	1250
4	Clean-Up, Removal and Transport of Waste Stored On-Site	NA	~~80000~~ 4 trucks	1000	~~9500~~ 4000
5	Disposal of Waste at an Authorized Facility	~~lbs~~ landfill	~~80000~~ 1 truck	2000	2000 ~~Included in 4~~
6	Waste Treatment	lbs	~~80000~~ 100000	0.40	~~0~~ 40000
7	Process Units Dismantling	NA			
8	Wash Down and Disinfection of Facility and Processing Units	NA	~~N/A~~ 1	4000	~~500~~ 4000
9	Vector Control	NA	1	2500	2500
10	Site Security	NA	1	7500	7500
11	Signs, Newspaper Notice and TCEQ Notice	NA	1	2500	2500

3.2 Closure Cost Estimate [30 TAC §326.71(m)]

Provide itemized closure cost estimates in Table 4. The cost estimates must meet therequirements listed in 30 TAC §326.71(m).

Attach documents detailing any additional unit closure costs not itemized. Enter the total ofthose additional unit closure costs on line 13 of the closure cost worksheet in Table 4.

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2	Bid Document and Procurement	NA	80 hrs.	75	6000
3	Contract Award and Administration	NA	10 hrs.	125	1250
4	Clean-Up, Removal and Transport of Waste Stored On-Site	NA	4 trucks	1000	4000
5	Disposal of Waste at an Authorized Facility	landfill	1 truck	2000	2000
6	Waste Treatment	lbs	100000	0.40	40000
7	Process Units Dismantling	NA			
8	Wash Down and Disinfection of Facility and Processing Units	NA	1	4000	4000
9	Vector Control	NA	1	2500	2500
10	Site Security	NA	1	7500	7500
11	Signs, Newspaper Notice and TCEQ Notice	NA	1	2500	2500

Item No.	Item Description	Unit of Measure-ment	Quantity	Unit Cost	Total Cost
12	Facility Inspection and Closure Certification by Licensed Engineer	NA	1	2500	2500
13	Additional Storage and Processing Unit Closure Cost Items (describe in attachments)	~~NA~~ 0	NA	~~NA~~ 0	0
14	Storage and Processing Unit Closure Costs Subtotal	~~NA~~ Dollars	NA	NA	79250
15	Contingency Cost	~~NA~~ 15%	NA	NA	~~1300~~ 11887
16	Total Closure Cost Estimate	~~NA~~ Dollars	NA	NA	~~21800~~ 91137

Item No.	Item Description	Unit of Measure-ment	Quantity	Unit Cost	Total Cost
12	Facility Inspection and Closure Certification by Licensed Engineer	NA	1	2500	2500
13	Additional Storage and Processing Unit Closure Cost Items (describe in attachments)	0	NA	0	0
14	Storage and Processing Unit Closure Costs Subtotal	Dollars	NA	NA	79250
15	Contingency Cost	15%	NA	NA	11887
16	Total Closure Cost Estimate	Dollars	NA	NA	91137

SPURGIN & ASSOCIATES

April 7, 2022

Re: Medical Waste Closure Plan for Clean Harbors Environmental Services in Denton Texas

Spurgin & Associates has been requested as a 3rd party to compile a closure plan cost estimate by Clean Harbors Environmental Services in connection with an amendment to their Medical Waste Registration at 1722 Cooper Road, Denton, TX 76208

Table 4: Closure Cost Estimate Worksheet has been completed to fulfill this requirement. Boxes labeled NA are pre-filled on the TCEQ form and are not intended to be interpreted as "Not Applicable" by the applicant. Additionally, the form specifies item descriptions and quantities that don't correspond directly to the attached spreadsheet of line-item costs and tasks. Therefore, to work within the Table 4 parameters some items on the spreadsheet have been combined to fit in to the line items in the table. Accordingly, the spreadsheet is included for reference.

Please feel free to contact me regarding any questions you have concerning this Closure Cost requirement.

Sincerely,

Robert Spurgin

Robert A Spurgin
President

RAS:jm

Enclosure

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Enclosure 8

Section 4—Site Operating Plan

4.1 General [30 TAC §326.75(a)]

Provide the function and minimum qualifications for each category of key personnel to be employed at the facility including supervisory personnel in the chain of command (attach additional pages to answer this question if necessary):

All new employees receive OSHA 24-hour Hazardous Waste Operator and Emergency Response (HAZWOPER) training containing Bloodborne Pathogen (BBP) training before being allowed to work in the portion of the facility that contains waste. All employees receive annual refresher training that includes but is not limited to the above topics. A training course will be provided to all employees involved in the handling and tracking of medical waste. Training sessions are documented using sign in sheets and the data is stored in the company computer system. Site specific training is also conducted that includes location of emergency equipment, what to do in case of a spill, and storage locations of medical waste at the facility. All Class B licensed supervisors have gone through a TCEQ recognized or approved medical waste specialized training course. As noted above Class B certified supervisors are on site as required. See Attachment 4.1 for additional information.

Describe the procedures that the operating personnel will follow for the detection and prevention regarding the receipt of prohibited wastes, including random inspections of packaging of incoming loads, records, and training (attach additional pages to answer this question if necessary):

CHES has in place the following measures to prevent and ensure that unauthorized waste is not being stored at the facility. The ultimate responsibility for the prevention of unauthorized waste being stored or treated at the facility rests on the generators. Generators have designated waste as biohazardous, sharps, pathological, chemotherapy or pharmaceutical waste and therefore it is handles as such. ~~No random or routine inspection of opened/emptied containers is done prior to transferring/processing waste, as bagged or contained waste cannot be reopened per regulations.~~ While regulations prohibit opening bags or containers of medical waste the facility will employ random visual inspection of packaging when the transport containers are opened to make sure they are properly labeled, identified as to contents and with the corresponding required paperwork.

The contract with the customer (generator) contains a clause pertaining to unauthorized disposal of waste considered non-conforming or outside the scope of regulated medical waste. The generator must sign this contract. A Waste Acceptance Protocol that outlines the laws and regulations concerning the identification, packaging, transportation, treatment,and disposal of regulated medical waste is provided to each customer (generator). In the event any non-conforming waste is received by the generator Safety-Kleen/Clean Harbors will contact the generator immediately so the unauthorized material can be returned to generator or other approved site on approval of generator for proper disposal.

Ongoing training, along with a review of customer records, is provided to customers on an as needed basis to ensure compliance with all applicable laws and regulations to ensure proper management of medical waste and protect against unauthorized disposal.

Section 4—Site Operating Plan

4.1 General [30 TAC §326.75(a)]

Provide the function and minimum qualifications for each category of key personnel to be employed at the facility including supervisory personnel in the chain of command (attach additional pages to answer this question if necessary):

All new employees receive OSHA 24-hour Hazardous Waste Operator and Emergency Response (HAZWOPER) training containing Bloodborne Pathogen (BBP) training before being allowed to work in the portion of the facility that contains waste. All employees receive annual refresher training that includes but is not limited to the above topics. A training course will be provided to all employees involved in the handling and tracking of medical waste. Training sessions are documented using sign in sheets and the data is stored in the company computer system. Site specific training is also conducted that includes location of emergency equipment, what to do in case of a spill, and storage locations of medical waste at the facility. All Class B licensed supervisors have gone through a TCEQ recognized or approved medical waste specialized training course. As noted above Class B certified supervisors are on site as required. See Attachment 4.1 for additional information.

Describe the procedures that the operating personnel will follow for the detection and prevention regarding the receipt of prohibited wastes, including random inspections of packaging of incoming loads, records, and training (attach additional pages to answer this question if necessary):

CHES has in place the following measures to prevent and ensure that unauthorized waste is not being stored at the facility. The ultimate responsibility for the prevention of unauthorized waste being stored or treated at the facility rests on the generators. Generators have designated waste as biohazardous, sharps, pathological, chemotherapy or pharmaceutical waste and therefore it is handles as such. While regulations prohibit opening bags or containers of medical waste the facility will employ random visual inspection of packaging when the transport containers are opened to make sure they are properly labeled, identified as to contents and with the corresponding required paperwork.

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Ongoing training, along with a review of customer records, is provided to customers on an as needed basis to ensure compliance with all applicable laws and regulations to ensure proper management of medical waste and protect against unauthorized disposal.

Attachment 4.1

FACILITY RMW OPERATIONS SUPERVISOR/SHIFT SUPERVISOR

SCOPE:

Responsible for the efficient operation of the shift resources available to this position.

SKILLS:

Strong, people-oriented manager with ability to plan, decide and act to overcome potential problems in a prudent manner. A B.S. in a technical background is preferred, equivalent experience is required. TCEQ Class B MSW Facility Supervisor License with a specialized medical waste course is required for supervisors.

RESPONSIBILITIES:

Direct and monitor the total production activities and correct the operation or process equipment as appropriate.

Direct loading, unloading, inspection, weighing, spotting and sampling inbound and outbound trucks.

Check approve and complete inbound and outbound paperwork.

Direct transferring of materials throughout the plant.

Maintain production records.

Direct operation of forklifts and ensure appropriate maintenance in completed.

Supervise daily inventory recordings and calculations.

Direct activities for the preparation and drumming of materials.

Maintain housekeeping standards.

Training new and present employees

Develop new programs.

Approve/schedule in-bound and out-bound loads.

Supervise and organize a shift team to achieve agreed objectives.

Ensure safety procedures and rules are strictly adhered to.

FACILITY TECHNICIAN

SCOPE:

Responsible for performing in-bound and out-bound bulk and drum warehouse activities and transfer activities of material throughout the facility.

SKILLS:

Trained person knowledgeable in regulatory procedures, preferably High School Diploma.

RESPONSIBILITIES:

Handle all in-bound traffic concerns including loading, unloading, inspection, weighing, spotting and sampling all trucks when needed.

Unload/load waste drums and complete required paperwork.

Receive containers including checking labels, sampling, checking, approving and completing paperwork and updating drum receipt logs.

Sample containers as needed and complete corresponding paperwork.

Store drums in designated areas according to compatibility.

Operate a forklift, safely.

Perform drum pumping operations.

Prepare drums for disposal.

Monitor drum activities.

Obtain drum storage inventory readings.

Maintain an organized warehouse with clearly identified rows.

Maintain a turn around system of drum processing in strict order of receipt as much as possible.

Maintain preventive maintenance checks on warehouse equipment such as the vac truck and drum room forklift.

Maintain housekeeping standards.

Pump contained areas as directed by Shift Supervisor.

Comply with safety rules and regulations.

Medical waste is typically picked up in local delivery trucks and delivered to the Facility. At the Facility, the containers will be offloaded either into the building or onto one of the parked trailers. It will be stored until such time that a full truckload is sent to the final destination facility or another permitted Transfer Station, or until such time that the waste can no longer be stored at the Facility to maintain compliance within the storage timeline limitations.

The waste will be delivered to the treatment facility within 7 days of being received by the generator in accordance with the Medical Waste Management Act requirements. Although typically waste will be stored at the Denton facility for 24 to 72 hours prior to being sent to the appropriate location for treatment. Typically, waste is shipped out for treatment twice weekly. In the event any non-conforming waste is received by the generator Safety-Kleen/Clean Harbors will contact the generator immediately so the unauthorized material can be returned to generator or other approved site on approval of generator for proper disposal.

Should a spill occur at this facility or elsewhere, our personnel are well-equipped and specifically trained to handle the containment and cleanup. Each company vehicle, as well as our-facility, is fully stocked with first aid supplies, personal protective equipment (gloves, face shield, respiratory protective equipment, Tychem/Tyvek coveralls, boot covers (chicken boots), etc.), absorbent materials, biohazard bags, disinfectant, dust pans, brushes, shovels, broom, etc. All spills or discharges shall be reported to CDPH Medical Waste Management Program Promptly.

In the event of a spill the following measures will be taken:

1. Identification of the spill to determine appropriate response, including Emergency Notification Requirements, PPE, and Cleanup Equipment
2. If cleanup is indicated, alert proper parties, don appropriate PPE, stop the spill from spreading, cover the spill with absorbent if needed, spray the spill with a bleach solution or other EPA approved disinfectant, allow sufficient contact time for the disinfectant, clean up the material and repackage for appropriate shipment. Follow up with a report to supervisors and place the report in an incident log for viewing by ~~CDPH~~ TCEQ personnel as needed.

Medical waste is typically picked up in local delivery trucks and delivered to the Facility. At the Facility, the containers will be offloaded either into the building or onto one of the parked trailers. It will be stored until such time that a full truckload is sent to the final destination facility or another permitted Transfer Station, or until such time that the waste can no longer be stored at the Facility to maintain compliance within the storage timeline limitations.

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2. If cleanup is indicated, alert proper parties, don appropriate PPE, stop the spill from spreading, cover the spill with absorbent if needed, spray the spill with a bleach solution or other EPA approved disinfectant, allow sufficient contact time for the disinfectant, clean up the material and repackage for appropriate shipment. Follow up with a report to supervisors and place the report in an incident log for viewing by TCEQ personnel as needed.

Enclosure 9

4.2 Waste Acceptance [30 TAC §326.75(b)]

Describe all sources and characteristics of medical wastes to be received for storage and processing or disposal (attach additional pages to answer this question if necessary):

The following medical wastes will be received for storage and transfer at this location: "Biohazardous red bags waste" includes disposable items such as dressings, bandages, gauze, PPE and other items that have been saturated with blood or body fluids. "Sharps waste" means a device that has acute rigid corners, edges, or protuberances capable of cutting or piercing, including, but not limited to, hypodermic needles, hypodermic needles with syringes, blades, needles with attached tubing, acupuncture needles, root canal files, broken glass items used in health care such as Pasteur pipettes and blood vials contaminated with biohazardous waste, and any item capable of cutting or piercing from trauma scene waste.

Pathology wastes for storage/transfer only include both of the following: (A) Human body parts, except for teeth, removed at surgery and surgery specimens or tissues removed at surgery or autopsy that are suspected by the health care professional of being contaminated with infectious agents known to be contagious to humans or having been fixed in formaldehyde or another fixative. (B) Animal parts, tissues, fluids, or carcasses suspected by the attending veterinarian of being contaminated with infectious agents known to be contagious to humans.

Although not considered medical waste in Texas, "Pharmaceutical" means a prescription or over-the-counter human or veterinary drug, including, but not limited to, a drug as defined in Section 109925 of the Federal Food, Drug, and Cosmetic Act, as amended, (21 U.S.C.A. Sec. 321(g)(1)). For purposes of this part, "pharmaceutical" does not include any pharmaceutical that is regulated pursuant to either of the following: The federal Resource Conservation and Recovery Act of 1976, as amended (42 U.S.C.A. Sec. 6901 et seq.). "Trace chemotherapeutic waste" means waste that is contaminated through contact with, or having previously contained, chemotherapeutic agents, including, but not limited to, gloves, disposable gowns, towels, and intravenous solution bags and attached tubing that are empty. ~~Pathology waste includes both of the following: (A) Human body parts, except for teeth, removed at surgery and surgery specimens or tissues removed at surgery or autopsy that are suspected by the health care professional of being contaminated with infectious agents known to be contagious to humans or having been fixed in formaldehyde or another fixative. (B) Animal parts, tissues, fluids, or carcasses suspected by the attending veterinarian of being contaminated with infectious agents known to be contagious to humans.~~ Nonhazardous pharmaceutical waste and trace chemotherapy waste are not considered medical wastes. Those non-medical waste items may be received from time to time for storage and transfer.

Describe the sources and characteristics of recyclable materials, if applicable, to be received for storage and processing (attach additional pages to answer this question if necessary):
No recycling operations are employed at this location for regulated medical waste.

Maximum amount of waste to be received daily: 50000 ☒ pounds/day ☐ tons /day

Maximum amount of waste to be stored at any point in time: 100000 ☒ pounds ☐ tons

Maximum length of time waste is to remain at the facility: 30 ☐ hours ☒ days

Specify the maximum time that unprocessed and processed wastes will be allowed to remain on-site:

Processed: N/A ☐ hours ☐ days

Unprocessed: 30 ☐ hours ☒ days

4.2 Waste Acceptance [30 TAC §326.75(b)]

Describe all sources and characteristics of medical wastes to be received for storage and processing or disposal (attach additional pages to answer this question if necessary):

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Pathology wastes for storage/transfer only include both of the following: (A) Human body parts, except for teeth, removed at surgery and surgery specimens or tissues removed at surgery or autopsy that are suspected by the health care professional of being contaminated with infectious agents known to be contagious to humans or having been fixed in formaldehyde or another fixative. (B) Animal parts, tissues, fluids, or carcasses suspected by the attending veterinarian of being contaminated with infectious agents known to be contagious to humans.

Although not considered medical waste in Texas, "Pharmaceutical" means a prescription or over-the-counter human or veterinary drug, including, but not limited to, a drug as defined in Section 109925 of the Federal Food, Drug, and Cosmetic Act, as amended, (21 U.S.C.A. Sec. 321(g)(1)). For purposes of this part, "pharmaceutical" does not include any pharmaceutical that is regulated pursuant to either of the following: The federal Resource Conservation and Recovery Act of 1976, as amended (42 U.S.C.A. Sec. 6901 et seq.). "Trace chemotherapeutic waste" means waste that is contaminated through contact with, or having previously contained, chemotherapeutic agents, including, but not limited to, gloves, disposable gowns, towels, and intravenous solution bags and attached tubing that are empty. Nonhazardous pharmaceutical waste and trace chemotherapy waste are not considered medical wastes. These non-medical waste items may be received from time to time for storage and transfer.

Describe the sources and characteristics of recyclable materials, if applicable, to be received for storage and processing (attach additional pages to answer this question if necessary):

No recycling operations are employed at this location for regulated medical waste.

Maximum amount of waste to be received daily: 50000 ☒ pounds/day ☐ tons /day

Maximum amount of waste to be stored at any point in time: 100000 ☒ pounds ☐ tons

Maximum length of time waste is to remain at the facility: 30 ☐ hours ☒ days

Specify the maximum time that unprocessed and processed wastes will be allowed to remain on-site:

Processed: N/A ☐ hours ☐ days

Unprocessed: 30 ☐ hours ☒ days

Enclosure 10

Identify the intended disposition of processed and unprocessed waste received at the facility (attach additional pages to answer this question if necessary):

All waste will be transferred to authorized waste facilities, including other designated Clean Harbors treatment locations in Texas ~~and elsewhere as deemed appropriate~~.

4.3 Generated Waste [30 TAC §326.75(c)]

Describe how all liquids and solid waste resulting from the facility operations will be disposed of in a manner that will not cause surface water and groundwater pollution (attach additional pages to answer this question if necessary):

There are no liquids resulting from operations as all waste is in containers which are not opened but transferred to outgoing vehicles for disposal elsewhere.

4.4 Access Control [30 TAC §326.75(g)]

Describe how public access to the facility will be controlled (attach additional pages to answer this question if necessary):

All gates are locked when not in use. Access is via a secured card key or code system. Only authorized Safety-Kleen and Clean Harbors employees are issued cards or codes. Visitors require sign-in and identification to have access and are escorted at all times. Badges are issued to visitors and contractors. Unescorted contractors undergo safety site training.

Describe how access roads and parking areas will be maintained to control dust and prevent mud from being track off-site (attach additional pages to answer this question if necessary):

All grounds are inspected daily and maintained in a clean and orderly condition. Vehicles are washed and cleaned as needed off-site. The site is paved so no mud or debris is tracked off- site.

Access to the facility will be controlled by a perimeter fence, with lockable gates. Identify or describe the type of fence that will be installed at the facility:

☐ A four-foot-high barbed wire fence;

☒ A six-foot-high chain-link fence; or

☐ Other: _____

4.5 Operating Hours [(30 TAC §326.75(i)]

Provide the operating hours of the facility; ***include justification for hours outside of 7:00 a.m. to 7:00 p.m., Monday through Friday***:

Operating hours are 24 hours per day 7 days a week to accommodate the needs of customers for after hours and weekend service. Additionally, waste may be unloaded or transferred to other locations at any time. Administrative office hours are Monday through Friday 8 am to 5 pm. ~~5:00 am to 7:00 pm Monday through Friday with occasional weekends and holidays as~~ needed. ~~Extended hours are to allow for customer needs and traffic expediency.~~

Identify the intended disposition of processed and unprocessed waste received at the facility (attach additional pages to answer this question if necessary):

All waste will be transferred to authorized waste facilities, including other designated Clean Harbors treatment locations in Texas.

4.3 Generated Waste [30 TAC §326.75(c)]

Describe how all liquids and solid waste resulting from the facility operations will be disposed of in a manner that will not cause surface water and groundwater pollution (attach additional pages to answer this question if necessary):

There are no liquids resulting from operations as all waste is in containers which are not opened but transferred to outgoing vehicles for disposal elsewhere.

4.4 Access Control [30 TAC §326.75(g)]

Describe how public access to the facility will be controlled (attach additional pages to answer this question if necessary):

All gates are locked when not in use. Access is via a secured card key or code system. Only authorized Safety-Kleen and Clean Harbors employees are issued cards or codes. Visitors require sign-in and identification to have access and are escorted at all times. Badges are issued to visitors and contractors. Unescorted contractors undergo safety site training.

Describe how access roads and parking areas will be maintained to control dust and prevent mud from being track off-site (attach additional pages to answer this question if necessary):

All grounds are inspected daily and maintained in a clean and orderly condition. Vehicles are washed and cleaned as needed off-site. The site is paved so no mud or debris is tracked off- site.

Access to the facility will be controlled by a perimeter fence, with lockable gates. Identify or describe the type of fence that will be installed at the facility:

☐ A four-foot-high barbed wire fence;

☒ A six-foot-high chain-link fence; or

☐ Other: _____

4.5 Operating Hours [(30 TAC §326.75(i)]

Provide the operating hours of the facility; ***include justification for hours outside of 7:00 a.m. to 7:00 p.m., Monday through Friday***:

Operating hours are 24 hours per day 7 days a week to accommodate the needs of customers for after hours and weekend service. Additionally, waste may be unloaded or transferred to other locations at any time. Administrative office hours are Monday through Friday 8 am to 5 pm.

5.3 Fire Protection Plan (30 TAC §326.75(f))

There is a comprehensive fire protection plan at the facility that addresses all of the following:

1. There is always an adequate supply of water for firefighting purposes supplied under normal conditions by the water company.
2. Fire extinguishers that comply with all requirements are strategically placed to be readily available as needed.
3. All employees are trained in the fire protection program including contact information, training and safety procedures.

5.4 Access Control (30 TAC §326.75(g))

Public access to this facility is restricted. Access is granted via a key card issued to authorized personnel. Visitors and others enter through the office door, and authorized access is granted after signing in and revealing the purpose of the visit.

The facility access is designed for the traffic flow via the multi-lane paved road. Safe on-site access for all vehicles is provided, including adequate turning radii and does not disrupt normal traffic patterns. Parking is provided for equipment, employees, and visitors. All interior driving and parking surfaces are paved to minimize dust and mud, however the parking area at the medical waste building is not paved (gravel).

A 6-foot perimeter fence topped with 3-stranded barbed wire surrounds the facility and includes lockable and monitored pedestrian and vehicle gates for access. Monitoring is conducted via closed circuit cameras with recording devices. The property is always occupied during normal business hours.

5.5 Unloading of Waste (30 TAC §326.75(h))

Waste is unloaded in a specific designated area. From there it is placed either into a refrigerated trailer or the specified medical waste storage area within the building. These areas are designed to be in as small an area as is practical as shown on the attached diagram. Unloading of waste in an area not otherwise authorized is prohibited. And prohibited wastes received, once identified, are returned to the generator of the waste in a timely manner or rejected to an alternative facility approved to accept such wastes.

5.6 Operating Hours (30 TAC §326.75(i))

Operating hours are 24 hours per day 7 days a week to accommodate the needs of customers for after hours and weekend service. Additionally, waste may be unloaded or transferred to other locations at any time. Administrative office hours are Monday through Friday 8 am to 5 pm.

~~Operating hours of the facility are as follows:~~
~~5:00 am to 7:00 pm Monday through Friday (operations) 8:00 am to 4:00 pm Monday through Friday (office) Weekend and holiday hours vary by the work conditions.~~

5.3 Fire Protection Plan (30 TAC §326.75(f))

There is a comprehensive fire protection plan at the facility that addresses all of the following:

1. There is always an adequate supply of water for firefighting purposes supplied under normal conditions by the water company.
2. Fire extinguishers that comply with all requirements are strategically placed to be readily available as needed.
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5.6 Operating Hours (30 TAC §326.75(i))

Operating hours are 24 hours per day 7 days a week to accommodate the needs of customers for after hours and weekend service. Additionally, waste may be unloaded or transferred to other locations at any time. Administrative office hours are Monday through Friday 8 am to 5 pm.

~~The facility does have the ability to operate 24/7 to accommodate emergency situations, disasters, or other unforeseen circumstances that may disrupt waste management in the service area~~.

5.7 Facility Sign (30 TAC §326.75(j))

Signs measuring four feet by four feet with letters at least 3" high will be prominently displayed at the vehicle entrance locations. The signs will include the following information: facility name, type of facility, days and hours of operation, authorization number of the facility, and access rules.

5.8 Control of Windblown Material and Litter (30 TAC §326.75(k))

The entire location is maintained in a clean, healthy, and safe manner, through in part controlling windblown material and litter being promptly collected and disposed of.

5.9 Facility Access Roads (30 TAC §326.75(l))

As indicated previously, primary and secondary roads are paved to prevent the tracking of mud and debris onto public roadways and for safety during wet weather. Since most of the entire property is paved, no specialized mobile equipment for dust control is necessary.

Vehicle and personnel safety is of primary concern, so all interior roads are maintained to minimize depressions, ruts, and potholes.

5.10 Noise Pollution and Visual Screening (30 TAC §326.75(m))

The only noise arising from the operation is that of vehicles entering or exiting the property. There is no equipment except for perhaps a forklift used in connection with this activity. Visual screening is maintained due to the location of the operation which is around behind the buildings or within them.

5.11 Overloading and Breakdown (30 TAC §326.75(n))

Adding medical waste to the existing operation does not pose a risk to exceeding operational capability nor design capacity. As a transfer station all waste is promptly routed to other locations, so there is no risk of quantities remaining on the property. Clean Harbors has multiple other facilities to which waste can be shipped for processing, so there are primary and secondary options should the need arise.

Any work stoppage will result in diverting incoming waste to other permitted facilities. Having multiple options allows the facility to ensure that waste will not accumulate nor will waste be received without the operational ability to handle it.

5.12 Sanitation (30 TAC §326.75(o))

Sanitary facilities and potable water are available at all times for employees and visitors.

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5.12 Sanitation (30 TAC §326.75(o))

Sanitary facilities and potable water are available at all times for employees and visitors.

Enclosure 11

Section 5 – Other Site Operating Plan, Financial Assurance, and Closure Requirements

5.1 Storage (30 TAC §326.75(d))

All regulated medical waste arriving at the facility will be off loaded and placed either into the refrigerated trailer or the building as shown on the facility drawings so as not to create a nuisance, and to prevent putrefaction.

All medical waste will be stored separate from all other waste materials or other processes. This facility has existing protocols to control odors, vectors, and windblown waste. There are comprehensive general housekeeping practices that include daily inspections both inside the buildings and on the grounds, and prompt trash pickup of any debris to maintain a clean environment. Any vector problems will result in exterminator companies dispatched as needed to immediately address the problem. All medical waste containers are located either in the building or on the vehicle. ~~Medical waste is by and large not putrescible and is transferred to other locations promptly. The company maintains a robust vector control program covering the entire property.~~
All containers coming onto the property are promptly and subsequently transferred to other locations. Medical waste containers will be transferred from truck to truck, removed from trucks and placed in temporary storage (<72 hours) prior to being shipped offsite, and/or being placed in a self contained refrigerated trailer approximately 52' in length ~~refrigeration~~ before being shipped offsite for treatment and/or final disposal. See Attachment 5.1 for an example of a refigeration unit. At no time are containers mechanically handled, so the integrity of each container is maintained during storage, handling, and transport.

No compactor is used for waste at any time, so there is no risk of public nuisance through material loss or spillage, odor, vector breeding or harborage, or other conditions.

5.2 Recordkeeping and Reporting (30 TAC §326.75(e))

A copy of the registration, the approved registration application, and any other required plan or other related document shall be maintained at the medical waste facility at all times. These plans shall be made available for inspection by agency representatives or other interested parties. These documents shall be considered a part of the operating record for the facility. This operating record shall include the following:

1. All location-restriction demonstrations
2. All inspection and training records
3. Any closure plans, cost estimates and financial assurance documents
4. All correspondence related to the operation of the facility, registration modifications, approvals, technical assistance, documents, manifests, and any other documents as specified or requested
5. All documents, manifests and any other document(s) as specified by the approved authorization or by the executive director. Copy of manifests/shipping papers must be maintained for at least three (3) years.

All records shall be maintained by the facility as required by applicable regulations.

~~Any shipping documents that designate this facility as final destination will result in one copy of each document being retained for the life of the facility~~. As no treatment occurs at this location, no statement of treatment applies.

Section 5 – Other Site Operating Plan, Financial Assurance, and Closure Requirements

5.1 Storage (30 TAC §326.75(d))

All regulated medical waste arriving at the facility will be off loaded and placed either into the refrigerated trailer or the building as shown on the facility drawings so as not to create a nuisance, and to prevent putrefaction.

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All containers coming onto the property are promptly and subsequently transferred to other locations. Medical waste containers will be transferred from truck to truck, removed from trucks and placed in temporary storage (<72 hours) prior to being shipped offsite, and/or being placed in a self contained refrigerated trailer approximately 52' in length before being shipped offsite for treatment and/or final disposal. See Attachment 5.1 for an example of a refigeration unit. At no time are containers mechanically handled, so the integrity of each container is maintained during storage, handling, and transport.

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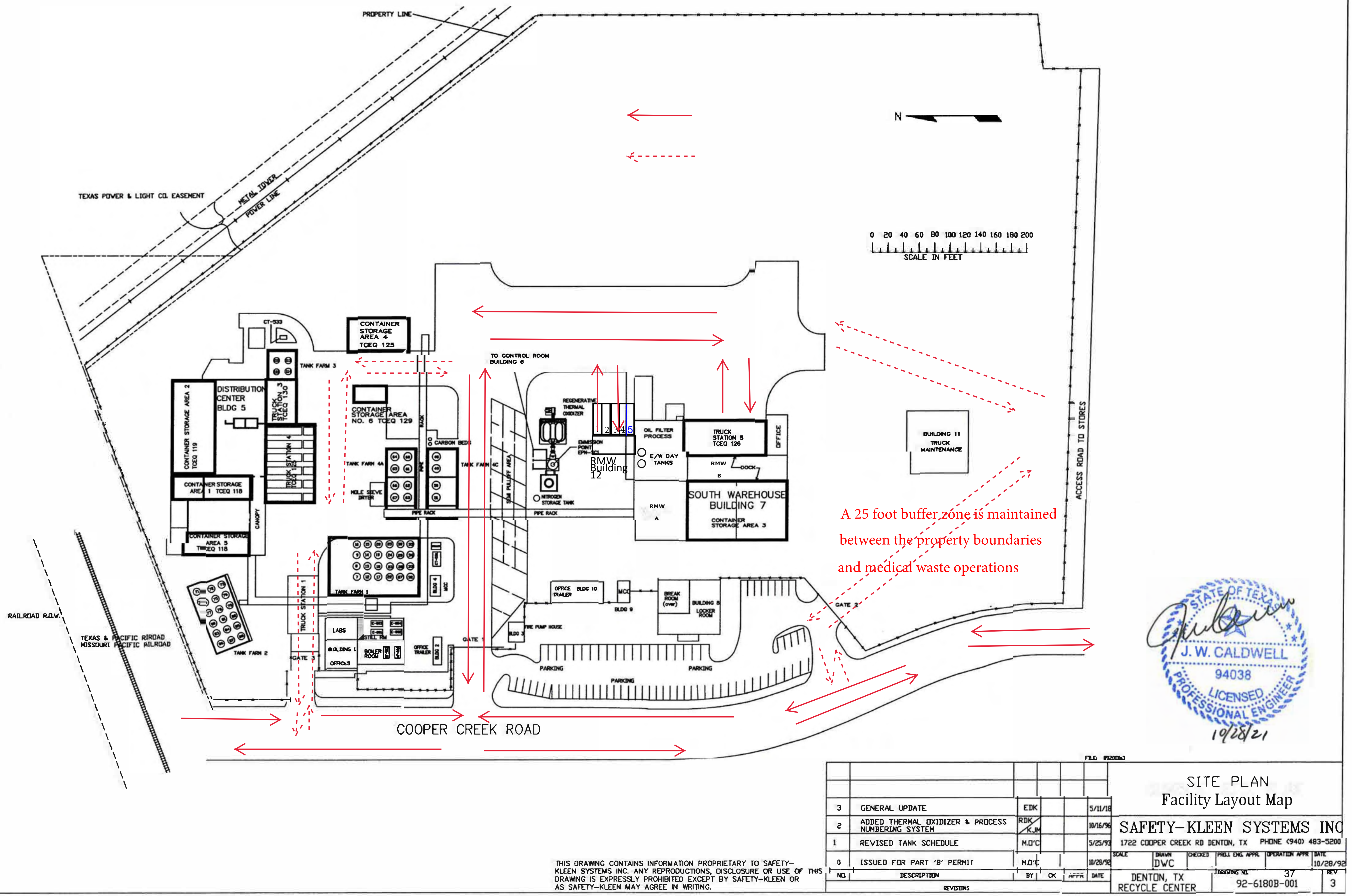
5. All documents, manifests and any other document(s) as specified by the approved authorization or by the executive director. Copy of manifests/shipping papers must be maintained for at least three (3) years.

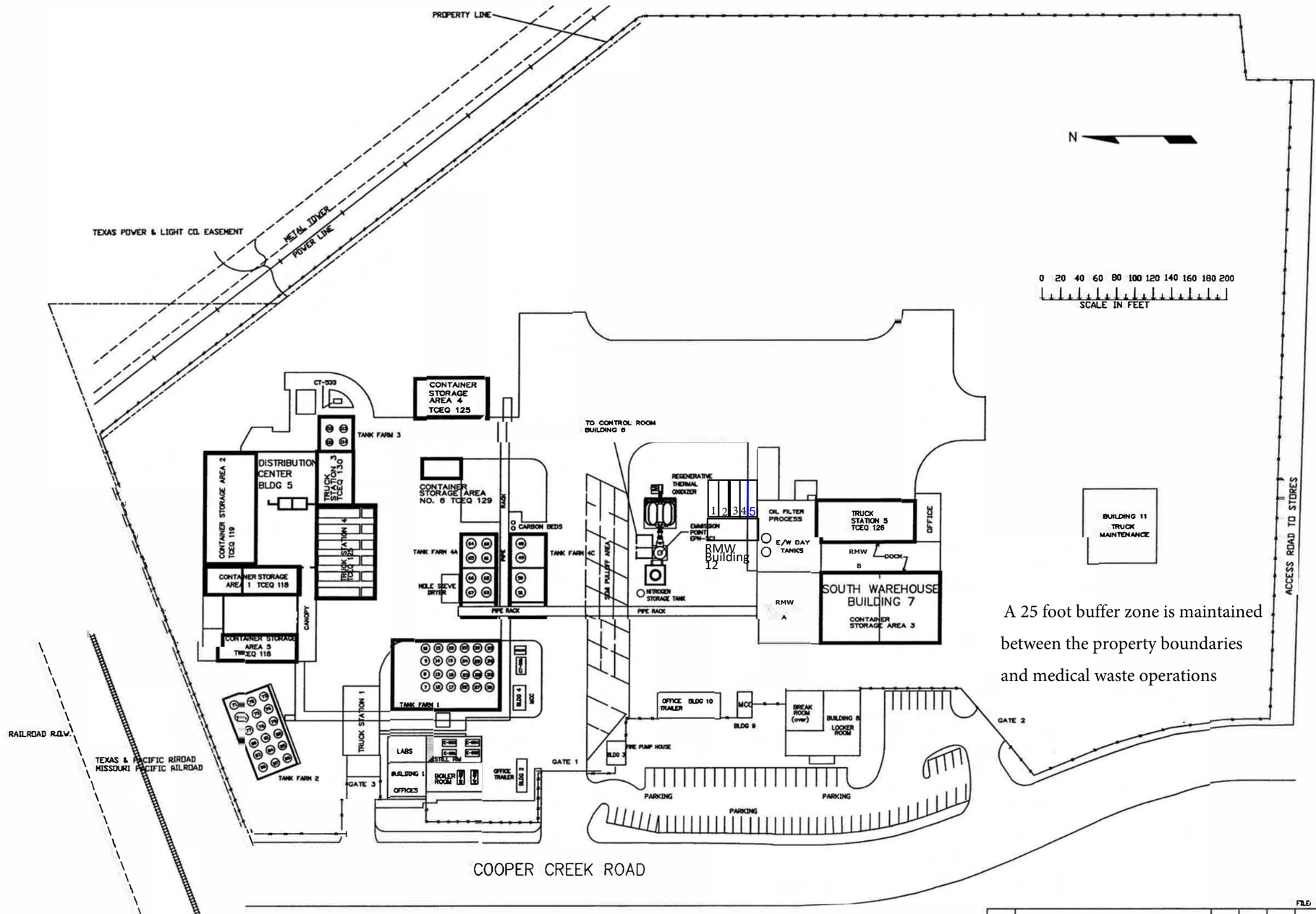
All records shall be maintained by the facility as required by applicable regulations.

As no treatment occurs at this location, no statement of treatment applies.

Enclosure 12

Initial Application Submittal Date (10/27/2021) Revision 2 (4/29/2022)


PROPERTY LINE
TEXAS POWER & LIGHT CO. EASEMENT
METAL TOWER
POWER LINE
N
0 20 40 60 80 100 120 140 160 180 200
SCALE IN FEET
CONTAINER STORAGE AREA 4 TCEQ 125
CT-533
TANK FARM 3
DISTRIBUTION CENTER BLDG 5
CONTAINER STORAGE AREA 2 TCEQ 119
TRUCK STATION 3 TCEQ 130
TRUCK STATION 4
CONTAINER STORAGE AREA 1 TCEQ 118
CONTAINER STORAGE AREA 5 TCEQ 118
CANOPY
CONTAINER STORAGE AREA NO. 6 TCEQ 129
TANK FARM 4A
MOLE SIEVE DRYER
CARBON BEDS
TANK FARM 4C
PIPE RACK
TO CONTROL ROOM BUILDING 6
REGENERATIVE THERMAL OXIDIZER
EMISSION POINT
NITROGEN STORAGE TANK
RMW Building 12
1 2 3 4 5
OIL FILTER PROCESS
E/W DAY TANKS
TRUCK STATION 5 TCEQ 126
OFFICE
RMW
DOCK
SOUTH WAREHOUSE BUILDING 7
CONTAINER STORAGE AREA 3
BUILDING 11 TRUCK MAINTENANCE
ACCESS ROAD TO STORES
A 25 foot buffer zone is maintained between the property boundaries and medical waste operations
TANK FARM 1
TANK FARM 2
TRUCK STATION 1
LABS
BUILDING 1
OFFICES
BOILER ROOM
STILL RM
OFFICE TRAILER
BLDG 2
GATE 1
GATE 3
GATE 2
OFFICE BLDG 10 TRAILER
MCC
BLDG 9
BREAK ROOM (over)
BUILDING 8 LOCKER ROOM
FIRE PUMP HOUSE
BLDG 3
PARKING
RAILROAD R.O.W.
TEXAS & PACIFIC RIRROAD MISSOURI PACIFIC RAILROAD
COOPER CREEK ROAD
STATE OF TEXAS
J. W. CALDWELL
94038
LICENSED PROFESSIONAL ENGINEER
10/28/21
FILE
3 GENERAL UPDATE EDK 5/11/18
2 ADDED THERMAL OXIDIZER & PROCESS NUMBERING SYSTEM RDK KJM 10/16/96
1 REVISED TANK SCHEDULE M.O'C 5/25/93
0 ISSUED FOR PART 'B' PERMIT M.O'C 10/28/92
NO. DESCRIPTION BY CK APPR DATE
REVISIONS
THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO SAFETY-KLEEN SYSTEMS INC. ANY REPRODUCTIONS, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.
SITE PLAN
Facility Layout Map
SAFETY-KLEEN SYSTEMS INC
1722 COOPER CREEK RD DENTON, TX PHONE (940) 483-5200
SCALE DRAWN DWC CHECKED PROJ. ENG. APPR. OPERATION APPR DATE 10/28/92
DENTON, TX RECYCLE CENTER
DRAWING NO. 92-6180B-001 37
REV 3



RMW Building 12

A 25 foot buffer zone is maintained between the property boundaries and medical waste operations

STATE OF TEXAS
J. W. CALDWELL
94038
LICENSED
PROFESSIONAL ENGINEER
10/28/21

FILE: 892001b3

NO.	DESCRIPTION	BY	CK	APPR	DATE
3	GENERAL UPDATE	EDK			5/11/18
2	ADDED THERMAL OXIDIZER & PROCESS NUMBERING SYSTEM	RDK / KJM			10/16/96
1	REVISED TANK SCHEDULE	M.O'C			5/25/93
0	ISSUED FOR PART 'B' PERMIT	M.O'C			10/28/92

REVISIONS

SITE PLAN
Facility Layout Map

SAFETY-KLEEN SYSTEMS INC
1722 COOPER CREEK RD DENTON, TX PHONE (940) 483-5200

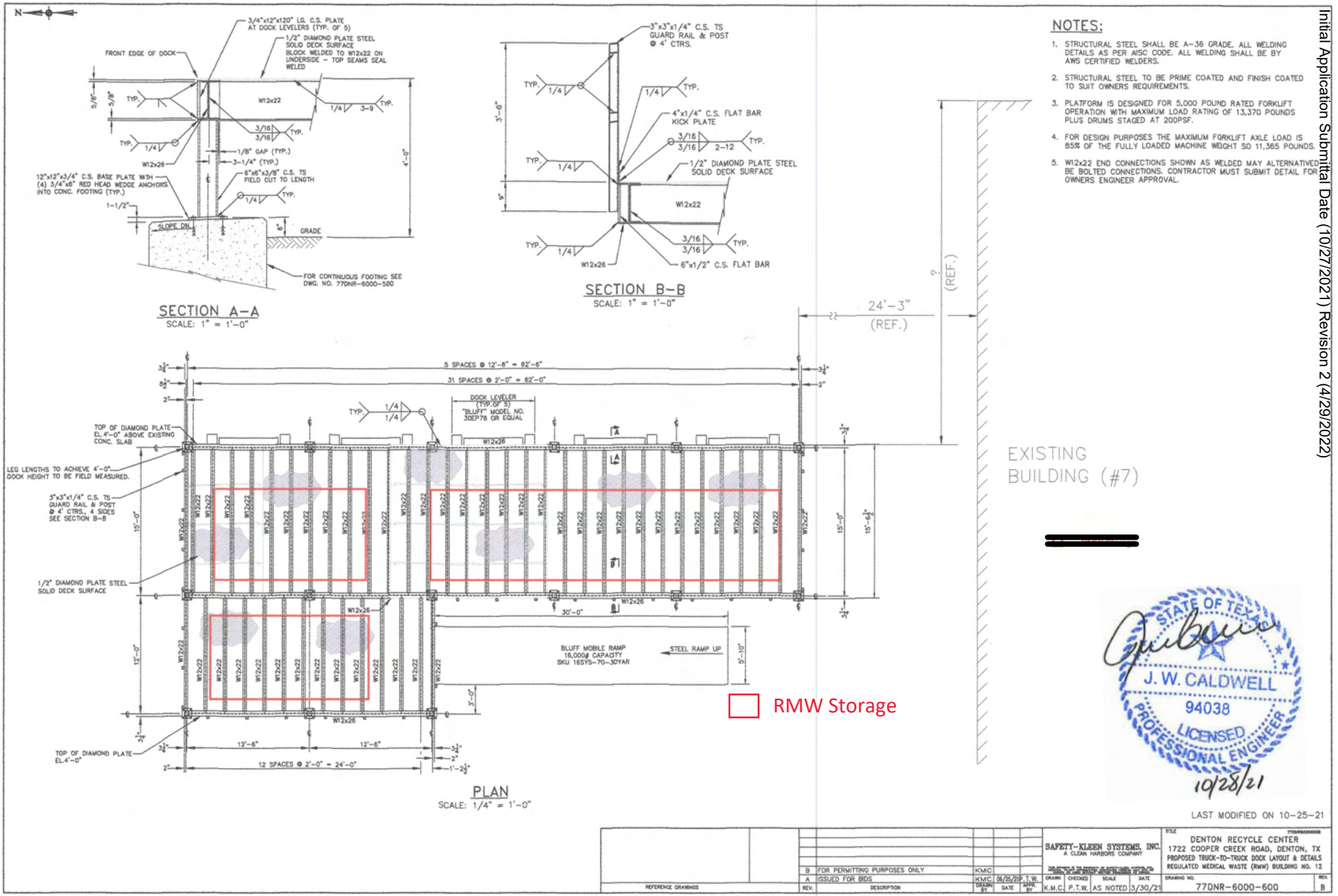
SCALE	DRAWN	CHECKED	PROJ. ENG. APPR.	OPERATION APPR.	DATE
	DWC				10/28/92

DENTON, TX RECYCLE CENTER | DRAWING NO. 92-6180B-001 | REV 3

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO SAFETY-KLEEN SYSTEMS INC. ANY REPRODUCTIONS, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.

safety-kleen
PROTECTION·CHOICES·PEOPLE
MAKE GREEN WORK®

Enclosure 13



LAST MODIFIED ON 10-25-21

REV.	DESCRIPTION	DRAWN BY	DATE	APPR. BY
B	FOR PERMITTING PURPOSES ONLY	KMC		
A	ISSUED FOR BIDS	KMC	06/25/21	P.T.W.

REFERENCE DRAWINGS

SAFETY-KLEEN SYSTEMS, INC.
A CLEAN HARBORS COMPANY

DRAWN	CHECKED	SCALE	DATE
K.M.C.	P.T.W.	AS NOTED	3/30/21

TITLE: DENTON RECYCLE CENTER
1722 COOPER CREEK ROAD, DENTON, TX
PROPOSED TRUCK-TO-TRUCK DOCK LAYOUT & DETAILS
REGULATED MEDICAL WASTE (RMW) BUILDING NO. 12

DRAWING NO. 77DNR-6000-600 REV. B

safety-kleen
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Enclosure 14

DeSha, David A

From: Elena Berg <EBerg@nctcog.org>
Sent: Tuesday, March 22, 2022 2:32 PM
To: bob.spurgin@spurginassociates.com; DeSha, David A; steve.odil@tceq.texas.gov; mswper@tceq.texas.gov; Wingert, Jon
Cc: Cassidy Campbell; Edith Marvin; Mike Eastland; spurginkatelyn@gmail.com
Subject: Conformance Review for Safety-Kleen Systems, Inc. (Registration Application No. 40327)
Attachments: MSWFacilityApplicationEvaluationform.doc

Dear Mr. DeSha, Mr. Spurgin, Mr. Wingert, and Mr. Odil,

I am reaching out to let you know NCTCOG has now received the letter Clean Harbors Environmental Services, Inc. sent to NCTCOG requesting a conformance review for the application for a medical waste registration for Safety-Kleen Systems, Inc., in the City of Denton, Texas, along with the initial and revised applications. I will be facilitating this review at NCTCOG.

This email also serves to notify TCEQ that NCTCOG is now working to complete and finalize this review as expeditiously as possible. From this point forward, the applicant will keep TCEQ updated as we move through the process. But, please don't hesitate to contact me with specific questions on this review.

In case you are not familiar with NCTCOG's conformance process, here's an overview:

- Applicant fills out Municipal Solid Waste Facility Application and Evaluation Form (attached) and returns it to me. Please return to me by close of business on **Monday, April 4, 2022.**
- Applicant attends a meeting of the Facility Conformance Subcommittee, which will be virtual and scheduled based on your availability, to present a 15-20 minute overview of the submitted application and how it conforms to the North Central Texas Regional Solid Waste Management Plan. There will be time allotted for questions by the Subcommittee, and then the Subcommittee will vote on conformance. (A membership roster of the Subcommittee can be found be found HERE.) Also, please provide me a copy of your slides (in PowerPoint format) at least a day prior to the meeting. This meeting will take an hour. Please let me know if the dates below work with your schedule.

    - Thursday, April 14 – 1:30, 2:30, and 3:30 p.m.
    - Friday, April 22 – 8:30 a.m.
    - Monday, May 2– 1:00 and 3:00 p.m.
    - Monday, May 9 – 1:30 p.m.

- The Subcommittee's recommendation for conformance will be brought to the region's solid waste advisory committee, the Resource Conservation Council or RCC, for consideration at its next meeting, which is May 12, 2022. You are welcome to attend this meeting as it is open to the public. It will be a virtual meeting and the meeting details can be found at the committee's webpage. Note that it is the Resource Conservation Council who makes the formal approval of the conformance determination, and so the determination that the Facility Conformance Subcommittee recommends will not be final until the RCC has voted on it.
- After the Resource Conservation Council has voted on the conformance recommendation, NCTCOG will mail and email a letter stating the conformance outcome to the applicant and TCEQ.

Please reply and let me know your availability from the dates listed above as soon as possible so we can get a date on our calendars for this meeting.

Thank you and best regards,

Elena Berg
Environment and Development Planner II
North Central Texas Council of Governments
P.O. Box 5888, Arlington, TX 76005-5888
817-608-2363

Enclosure 15

safety-kleen®

Safety-Kleen Systems, Inc.
Denton, TX

Safety-Kleen Systems, Inc.
Denton, TX

General Information

Facility Name: Safety-Kleen Systems, Inc.
Location Address: 1722 Cooper Creek Road, Denton, TX 76208
EPA ID#: TXD 077 603 371

TCEQ Registration #: 65124

Corporate Address: 2600 North Central Expressway, Suite 400
Richardson, TX 75080

Site Contact: Jon Wingert, Facility General Manager
Phone: 940-483-5253 / jon.wingert@safety-kleen.com

Environmental Contact: Paul Andrews, Sr. Environmental Compliance Manager
Phone: 225-681-0878 / andrews.paul@cleanharbors.com

Facility Ownership: Safety-Kleen Systems, Inc. (Parent Company is Clean Harbors)

Number of Employees: 12

Total Acreage: 22

Site Location:

The current operating portion of the site occupies approximately ten acres of 22 acres owned by Safety-Kleen Systems, Inc. A railroad abuts the north boundary. The terrain is gently rolling and drains to the Cooper Creek, which is slightly more than one half mile from the site. The nearest surface water body utilized for drinking water is Lake Lewisville, which is located approximately eight miles to the southeast of the site. The facility obtains its water supply from the City of Denton. Non-process water is discharged to the sanitary sewer.

Information from the Federal Insurance Administration Map shows that the facility is not located in the 100-year flood zone.

A site aerial photo is attached.

Site Emergency Equipment:

The site is equipped with on-site communication and telephones for access to off-site assistance. Alarm systems for certain equipment, areas, and storage tanks are maintained. Emergency numbers are posted throughout the facility for quick response to an emergency.

Fire, spill response, and other safety equipment are located throughout the site. Fire extinguishers are placed, marked, and maintained at key locations. Spill and first aid stations provide centralized access to tools, supplies, and equipment for efficient response. Emergency showers and eye wash stations are strategically located in process buildings and storage areas.

Directions to the Site:

Nearest Airports are Dallas-Fort Worth (DFW) or Love Field. Traveling:

From Dallas on I-35 north to Denton (from either airport):
Take Exit #463, the McKinney/Loop 288 and go east for approximately 4.5 miles.
Travel Loop 288 to Hwy 380/McKinney exit and turn East (Right).
Travel Hwy 380 East for approximately ¼ mile to Cooper Creek Road.
Turn North (Left) onto Cooper Creek Road (Chevron Station on left). The
plant is located on the East (Right) side of the road.
Turn into the second parking lot entrance and the business office is located near the flagpole.
All public roads and onsite driveways are shared with the medical waste transfer facility operation.

Regulatory Information

In accordance with the U.S. EPA's regulations of May 19, 1980, Safety-Kleen filed a Notification of Hazardous Waste Activity and a Part A Permit Application on November 18, 1980. Modifications to the Part A Permit have been made to accommodate newly regulated wastes or activities.

The facility submitted a RCRA Part B Application on December 19, 1982. Safety-Kleen received written notification that the application was complete on March 6, 1985 from the Texas Department of Health. The Part B Permit was originally issued on August 9, 1994. A renewed RCRA Part B Permit was issued in 8/22/2019 by the Texas Commission on Environmental Quality. As required by the RCRA regulations (40 CFR 264), the Denton Facility maintains the following:

- Manifest Retention
- Waste Analysis Plan and Records
- Inspection Plan and Records
- Contingency Plan
- Training Program and Records
- Closure Plan, Cost Estimate and Financial Assurance
- LDAR Program

Additional regulatory programs include:

- NSPS air permitting*
- SPCC Plan
- Stormwater permitting and SWPP Plan
- TSCA permitting for commercial storage of PCBs

*Current air permitting is for a minor source facility

Facility Permit and Regulatory Contact List:

Safety Kleen Systems, Inc.
1722 Cooper Creek Road
Denton, Texas 76208

EPA ID# TXD 077 603 371

Type of Permit	Permit Number	Regulatory Agency, Address, Contact Name, and Phone Number	Date Issued	Date Expires
RCRA Part B	HW-50163	Texas Commission on Environmental Quality P.O. Box 13087 Austin, TX 78711-3087 Contact: Charles Brown Phone: 512-239-6234 (Central Office) Phone: 817-588-5811 (Regional Office)	8/22/2019	8/22/2029
Air (NSR*)	2613	Texas Commission on Environmental Quality P.O. Box 13087 Austin, TX 78711-3087 Contact: Rich Carpenter Phone: 512-239-1582 (Central Office) Contact: Louis Malarcher, P.E. Phone: 512-239-1151	11/30/2017	11/30/2027
TSCA	TXD077603 371	U. S. Environmental Protection Agency Region VI 1445 Ross Avenue, Suite 1200 Dallas, TX 75202-2733 Contact: James Sales Phone: 214-665- 6796	7/24/2019	7/24/2024

Safety Kleen Systems, Inc.
1722 Cooper Creek Road Denton, Texas 76208

EPA ID# TXD 077 603 371

Type of Permit	Permit Number	Regulatory Agency, Address, Contact Name, and Phone Number	Date Issued	Date Expires
TPDES MSGP Storm Water	TXR05CW29	Texas Commission on Environmental Quality P.O. Box 13087 Austin, TX 78711-3087 Contact: Jamie Saladiner Phone: 512-239-4671 (Central Office)	9/28/2016	8/14/2026

Permitted Storage:

Hazardous wastes are received in accordance with the Waste Analysis Plan and analytical protocols. There are laboratory facilities on site and as necessary, outside laboratories are used to supplement the site's capabilities.

Containers: 1,153,688 gal

Tanks: 548,000 gal.

Process Information:

Waste Codes accepted at the Denton Facility:

D001	D002	D003	D004	D005	D006	D007	D008	D009	D010	D011	D012
D013	D014	D015	D016	D017	D018	D019	D020	D021	D022	D023	D024
D025	D026	D027	D028	D029	D030	D031	D032	D033	D034	D035	D036
D037	D038	D039	D040	D041	D042	D043					
F001	F002	F003	F004	F005	F006	F007	F008	F009	F010	F011	F012
F019	F024	F025	F032	F033	F034	F035	F037	F038	F039		
K001	K002	K003	K004	K005	K006	K007	K008	K009	K010	K011	K013
K014	K015	K016	K017	K018	K019	K020	K021	K022	K023	K024	K025
K026	K027	K028	K029	K030	K031	K032	K033	K034	K035	K036	K037
K038	K039	K040	K041	K042	K043	K046	K048	K049	K050	K051	K052
K060	K061	K062	K064	K065	K066	K068	K071	K073	K083	K084	K085
K086	K087	K088	K090	K091	K093	K094	K095	K096	K097	K098	K099
K100	K101	K102	K103	K104	K105	K106	K107	K108	K109	K110	K111
K112	K113	K114	K115	K116	K117	K118	K123	K124	K125	K126	K131
K132	K136	K140	K141	K142	K143	K144	K145	K147	K148	K149	K150

K151	K156	K157	K158	K159	K160	K169	K170	K171	K172	K174	K175
K176	K177	K178									

P001	P002	P003	P004	P005	P007	P008	P010	P011	P012	P013	P014
P015	P016	P017	P018	P020	P021	P022	P023	P024	P026	P027	P028
P029	P030	P031	P033	P034	P036	P037	P038	P039	P040	P041	P042
P043	P044	P045	P046	P047	P048	P049	P050	P051	P054	P056	P057
P058	P059	P060	P062	P063	P064	P065	P066	P067	P068	P069	P070
P071	P072	P073	P074	P075	P076	P077	P078	P081	P082	P084	P085
P087	P088	P089	P092	P093	P094	P095	P096	P097	P098	P099	P101
P102	P103	P104	P105	P106	P108	P109	P110	P111	P112	P113	P114
P115	P116	P118	P119	P120	P121	P123	P127	P128	P185	P188	P189
P190	P 191	P 192	P 194	P196	P 197	P198	P199	P201	P202	P203	P204
P205											

U001	U002	U003	U004	U005	U007	U008	U009	U010	U011	U012	U014
U015	U016	U017	U018	U019	U021	U022	U024	U025	U026	U027	U028
U029	U030	U031	U032	U034	U035	U036	U037	U038	U039	U041	U042
U043	U044	U045	U046	U047	U048	U049	U050	U051	U052	U053	U055
U056	U057	U058	U059	U060	U061	U062	U063	U064	U066	U067	U068
U069	U070	U071	U072	U073	U074	U075	U076	U077	U078	U079	U080
U081	U082	U083	U084	U085	U086	U087	U088	U089	U090	U091	U092
U093	U094	U095	U097	U098	U099	U101	U102	U103	U105	U106	U107
U108	U109	U110	U111	U112	U113	U114	U115	U116	U117	U118	U119
U120	U121	U122	U123	U124	U125	U126	U127	U128	U129	U130	U131
U132	U134	U135	U136	U137	U138	U140	U141	U142	U143	U144	U145
U146	U147	U148	U149	U150	U151	U152	U153	U154	U155	U156	U157
U158	U159	U161	U162	U163	U164	U165	U166	U167	U168	U169	U170
U171	U172	U173	U174	U176	U177	U178	U179	U180	U181	U182	U183
U184	U185	U186	U187	U188	U190	U191	U192	U193	U194	U196	U197
U200	U201	U202	U203	U204	U206	U207	U208	U209	U210	U211	U213
U214	U215	U216	U217	U218	U219	U220	U221	U222	U225	U226	U227
U228	U235	U236	U237	U238	U239	U240	U243	U244	U246	U247	U248
U249	U271	U277	U278	U279	U280	U328	U353	U359	U364	U365	U366

U367	U372	U373	U375	U376	U377	U378	U379	U381	U382	U383	U384
U385	U386	U387	U389	U390	U391	U392	U393	U394	U395	U396	U400
U401	U402	U403	U404	U407	U408	U410	U411				

Note: P-listed codes and D012 through D017 may be accepted for storage only.

Site History:

The facility was started in 1975 as a parts washer recycling facility for Safety-Kleen. In the middle 1980's, operations expanded to include dry cleaning recycling. During the early 1990's, the facility expanded to handle fuel blending, gun cleaner, and debris bulking operations. Toll recycling capabilities were added during the middle 1990's. In 2012 Safety-Kleen Systems, Inc. was purchased by Clean Harbors. During 2014 and 2015 the facility underwent the discontinuation of certain operations some of which were closed in 2017.

Waste Streams Handled at Denton
Solvent Recycling (These operations were idled in 2015):

- Mineral Spirits

- Immersion Cleaner (Closed)
- Paint Thinners (SK Paint Gun Cleaner)
- Solvent Tolling

Solvents are recycled via distillation using either an Artisan unit or thin film evaporator (Luwa). The facility has 2 Artisan units, 1 small thin film and 1 large thin film. Mineral spirits are typically run on the Artisans and small thin film. The SK gun cleaner and all of the tolling streams (automotive purge thinners) are run on the large thin film. The overheads from the distillation end being the recycled solvent for reuse. The bottoms (bottoms oil) are then incorporated into the fuel blending process for cement kilns.

Aqueous Streams:

Process aqueous brake tubs and 30 gallon parts washer containers. Containers cleaned and sent out for reuse. Water that is collected is either incinerated (ABC water) or for waste water treatment (parts washer water).

Fuel Blending: Bulk Only- discontinued fuel drum processing

Fuel is blended in permitted tanks. Once materials are blended, it is transferred into a large fuel tank for shipment to an energy recovery facility as hazardous waste. Typical solids content on the outbound fuel is <20% with low water content, and blended fuel is >5000 BTU's.

Wastewater Bulking:

Two different types of waste water can be bulked in Denton. The first type of stream is a flammable waste water which eventually ends up going for incineration as lean fuel (hazardous waste). The second type of stream is a metal bearing waste water that can be bulked and shipped off-site for further processing. The material is segregated, processed, and the greater water portion can be sent out for disposal. This particular stream usually only carries metal waste codes and cannot be combusted in an incinerator.

Used Oil and Filter Recycling:

The facility accepts used oil filter which are drained, then shredded/compacted. Residual used oil is sent offsite for recycling and the resultant metal is sold as scrap. Fluff and other debris resulting from this process is sorted and sent offsite for proper disposal. Used oil from offsite is received and placed in tanks for later shipment offsite for re-refining or burning for energy recovery.

Pass Thru and Third-Party Waste:

Many streams that are sent to Denton are shipped out to a variety of disposal outlets. In a typical week, Denton ships out landfill loads, incineration loads, and loads of fuel material. This allows Safety-Kleen to ship truckload quantities at the best disposal prices possible. The following types of streams are sent to the listed locations:

SK Smithfield - flammable paint cans, rock hard solids, materials requiring shredding for fuel blending

Incinerator - incineration of such things as off-spec paint booth filter drums, mercaptans, styrene, lab packs, resins, adhesives and other materials that cannot be fuel blended.

Hazardous Waste Landfill - landfill of metal bearing solids, and materials that cannot be fuel blended such as contaminated soil and sand.

Non-hazardous Waste Landfill- landfill of non-regulated liquids for solidification and non-regulated solids for direct placement.

Off-site Waste Processing - strong corrosive liquids and solids. They are either deepwell injected or stabilized in a stabilization pit for either landfill or incineration.

Accumulation Center:

The Denton Recycle Center also handles an accumulation center function in conjunction with the Denton Distribution Center. This function receives all of the waste streams a typical branch would have on hand as 10-day transfer waste and brings them to a RCRA permitted site (the Denton RC) where the waste can be terminated. This allows the RC to accumulate truckload quantities of these materials for shipment to either another SK site or to a 3rd party disposal outlet.

Waste Streams handled through the accumulation center function are shipped offsite for processing:

Photo waste- Fixers, developers, steel wool, iron mesh core

Dry Cleaning (Perc)

Light bulbs- fluorescent bulbs, halogen, sodium vapor

Batteries- lead acid, alkaline, nickel-cadmium

Electronic scrap- computers, circuit boards, copies, printers

Waste Profiling:

The facility operates under a profile program which is managed through the corporate Clean Harbor's Central Profiling Group. Any related analytical testing is conducted offsite.

Off-Site Management – Treatment/Disposal/Recycling:

Various wastes are shipped offsite to the company's network of facilities as well as to approved 3rd party vendors. Examples include:

Residual	*Disposition*	*EPA ID#*
Waste Process Water	Clean Harbors Deer Park, TX	TXD 055 141 378
		TXR 000 057 000
	Liquid Environmental Services (LES) Houston, TX	OKD 144 420 981
Bulk, Solid Synthetic Fuel	Giant Resource Recovery Harleyville, SC	SCD 003 351 699
	Giant Resource Recovery Attala, AL	ALD 070 513 767
		ALD 000 266 726
	Covanta Huntsville, AL	OKD 144 420 981

Liquid Synthetic Fuel	Systech Fredonia, KS Ash Grove Cement Forman, AR Ash Grove Cement Chanute, KS Buzzi Cement Cape Girardeau, MO	KSD 980 633 259 ARD 981 512 270 KSD 031 203 318 MOD 981 127 319
Drum, Solid Synthetic Fuel	Safety-Kleen Smithfield, KY Safety-Kleen Dolton, IL	KYD 053 348 108 ILD980 613 913
Empty Drums	IRSI Camden, NJ	NJR 000 028 878
Incineration	Clean Harbors El Dorado, AR Clean Harbors Deer Park, TX	ARD 069 748 192 TXD 055 141 378
Stabilization/Landfill	Clean Harbors – Lone Mountain Waynoka, OK Republic Services Itasca, TX Allied Waste Industries 2559 FM 66 Itasca TX 76055 US MacLand Disposal Center Moss Point, MS	OKD 065 438 376 241D 86395 Not Required

Universal Wastes	Clean Harbors Reidsville, NC Toxco Lancaster, OH Lighting Resources, Inc. Fort Worth, TX Universal Recycling Technologies Fort Worth, TX	NCD 000 648 451 OHD 071 654 958 TXD 008 029 191 TXR000080133
Dry Cleaning Wastes	Clean Harbors Hebron, OH Clean Harbors Kimball, NE	OHD 980 587 364 NED 981 723 513
Photo Wastes	CRE Mojave, CA 93501	CAD 981 402 552

Closure and Financial Information

Liability Insurance:

Liability Insurance exceeds the requirements listed in 40 CFR 264.147.

Closure Plans and Financial Assurance:

The facility maintains RCRA (hazardous wastes) and TSCA (PCB wastes) closure plans and associated insurance policies to financially assure closure of the Denton Facility.

Attachments

Site Sat Photo

safety-kleen®

Enclosure 16

Section 6—Applicant Certification and Signature

The applicant is the person or entity who would be the owner of the facility and in whose name the registration would be issued. If the application is signed by an authorized representative for the applicant, the applicant must complete the delegation of signature authority.

Certification by Applicant or Authorized Signatory [30 TAC §305.44]

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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of applicant, or other person authorized to sign: David DeSha

Title of person signing: Director Environmental Compliance

Signature: _____ Date: 4/28/2022

Notarization

SUBSCRIBED AND SWORN to before me by the said David DeSha

On this 28th day of April, 2022.

My commission expires on the 28 day of October, 2025.

_____

Notary Public in and for

Hamilton County, Tennessee

Meagan Grim STATE OF TENNESSEE NOTARY PUBLIC HAMILTON COUNTY

Applicant's Delegation of Signature Authority [30 TAC §305.43]

I hereby delegate the person named below as my representative and hereby authorize said representative to sign any application, submit additional information as may be requested by the Commission; and appear for me at any hearing or before the Commission in conjunction with this request for a Texas Water Code or Texas Solid Waste Disposal Act permit. I further understand that I am responsible for the contents of this application, for oral statements given by my authorized representative in support of the application, and for compliance with the terms and conditions of any permit which might be issued based upon this application.

Name of applicant's representative: _____

Name of person who is the applicant, or officer or official representing corporation or public agency that is the applicant: _____

Signature: _____ Date: _____

Notarization

SUBSCRIBED AND SWORN to before me by the said _____

On this _____ day of _____, _____.

My commission expires on the _____ day of _____, _____.

_____

Notary Public in and for

_____ County, Texas

Section 7—Property Owner Affidavit

Affidavit [30 TAC §326.71(b)]

This section must be completed by the owner of the property on which the facility would be located.

I am the owner of the land on which the proposed facility would be located. I acknowledge that the State of Texas may hold me either jointly or severally responsible for the operation, maintenance, and closure of the facility. I further acknowledge that the facility owner or operator and the State of Texas shall have access to the property during the active life and after closure for the purpose of inspection and maintenance.

Property owner name: Safety-Kleen Systems, Inc.

Signature: _____ Date: 4/28/2022

Notarization

SUBSCRIBED AND SWORN to before me by the said David DeSha

On this 28th day of April, 2022.

My commission expires on the 28 day of October, 2025.

_____

Notary Public in and for

Hamilton County, Tennessee

Meagan Grim STATE OF TENNESSEE NOTARY PUBLIC HAMILTON COUNTY