

Resource Conservation Council

Facility Conformance Subcommittee

May 9, 2022

Procedures for Online Meeting

- ▶ Please keep your microphone on mute when not speaking.
- ▶ Please state your name and the entity you are representing when you ask a question or provide a comment.

Welcome and Introductions

- ▶ Jeff Mayfield, North Texas Municipal Water District
Chair, Facility Conformance Subcommittee

Presentation

- ▶ Registration application for a medical waste transfer station, Safety-Kleen Systems, Inc., (site owner), Clean Harbors Environmental Services, Inc. (medical waste transfer facility operator), Denton, Texas

- ▶ David DeSha, Director of Environmental Compliance, Clean Harbor Environmental Services, Inc.

People & Technology Creating a Safer, Cleaner Environment



CleanHarbors[®]
Healthcare Services



**Safety-Kleen Systems, Inc./Clean Harbors
Environmental Services, Inc. Denton, TX
Medical Waste Transfer Facility Registration**

Objective:

Obtain approval for Clean Harbors Environmental Services, Inc. to operate a medical waste transfer facility at the existing Safety-Kleen Systems, Inc. Denton, TX commercial hazardous and industrial solid waste facility.



Safety-Kleen Systems, Inc./Clean Harbors Environmental Services, Inc. Denton, TX Medical Waste Transfer Facility Registration

Safety-Kleen/Clean Harbors
Write a description for your map.

Legend

- 📍 1722 Cooper Creek Rd
- 📍 Feature 1
- 📍 Feature 2
- 🌟 Safety-Kleen/Clean Harbors





Safety-Kleen Systems, Inc./Clean Harbors Environmental Services, Inc. Denton, TX Medical Waste Transfer Facility Registration

• Facility Description

- Safety-Kleen Systems, Inc. (S-K) is an existing RCRA permitted commercial hazardous and industrial waste storage, treatment, recycling and transfer facility that presently employs 21 employees with another 14 Clean Harbors Environmental Services, Inc. (CHESI) employees domiciled at the facility
- The facility has been in existence since the early 1990s
- S-K/CHESI has made and continues to make improvements at the facility
- Medical waste transfer facility registration approval pending with TCEQ – all notices of deficiencies addressed
- NCTCOG MSW Facility Application and Evaluation Form completed and submitted



Safety-Kleen Systems, Inc./Clean Harbors Environmental Services, Inc. Denton, TX Medical Waste Transfer Facility Registration

• Background

- The purpose of the medical waste transfer is to receive medical wastes in specially designed containers to be temporarily stored (<30-days) prior to transfer offsite. Containers will only be stored/transferred and will not be opened and/or repackaged (exception being any compromised container discovered during inspections). Refrigeration is required and will be provided within 72-hours
- A new ~1,200 ft² covered dock area (i.e., Building 12) was constructed to help facilitate the transfer of medical wastes



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- **The Project:**

- Medical waste generation is on the increase in the US & health care providers are choosing to outsource the treatment of their wastes
- The S-K Denton facility is centrally located in the north central TX area within the Dallas/Fort Worth metroplex
- The medical waste transfer facility represents a service offering for Clean Harbors in the north central TX area to collect and transfer medical waste to proper treatment facilities



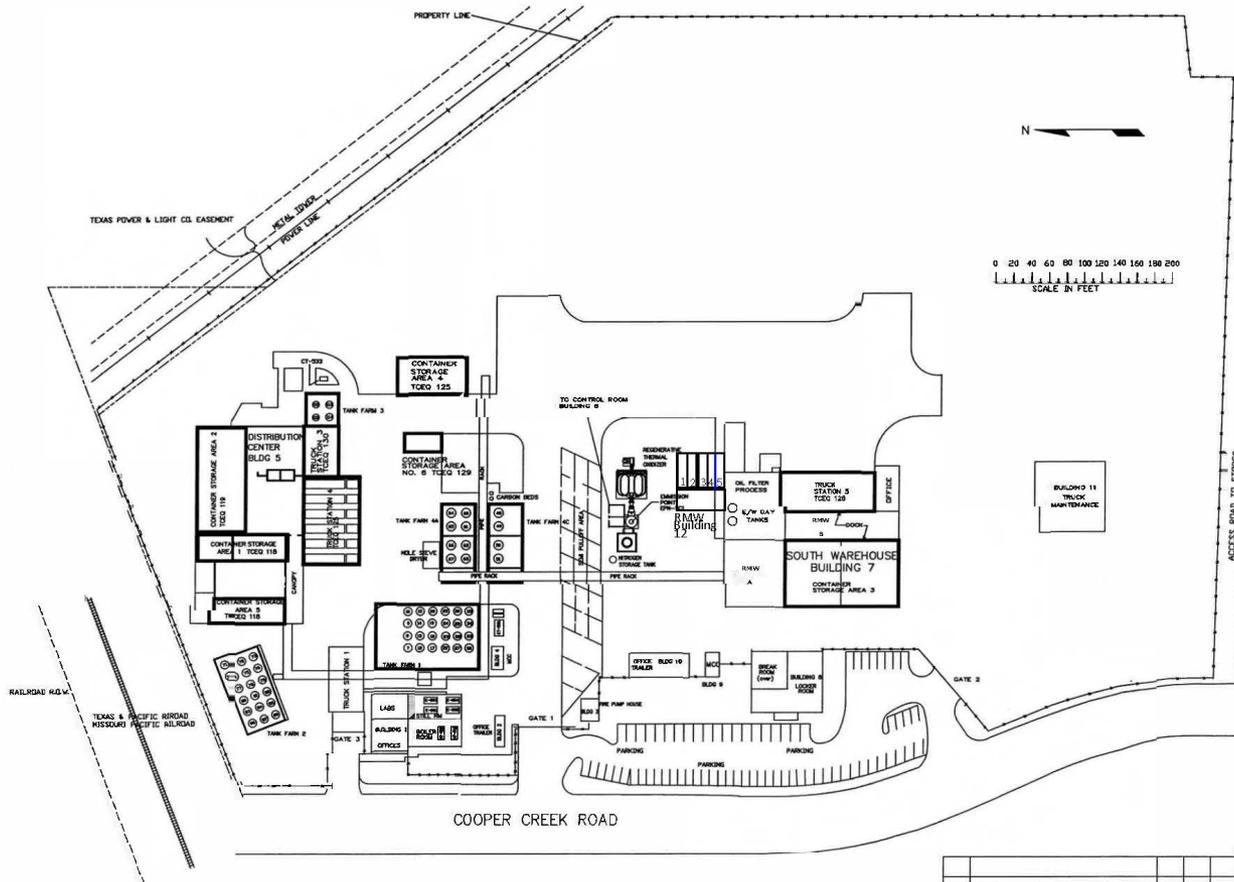
Safety-Kleen Systems, Inc./Clean Harbors Environmental Services, Inc. Denton, TX Medical Waste Transfer Facility Registration

- **The Project (cont.):**

- The project involves the receipt of a daily maximum of 50,000 lbs and temporary storage of a maximum of 100,000 lbs of medical waste for transfer offsite to authorized treatment facilities. CHESI is currently installing a sterilization process that includes robotically actuated decanting/repackaging equipment, 2 autoclaves/steam sterilizers, 2 reuseable container washing systems & a solid waste compactor in La Porte, TX. The company has an existing hazardous waste incinerator in La Porte that can incinerate medical wastes
- The medical waste storage/transfer operation will be located in existing warehouses with the addition of the new Building 12.

Safety-Kleen Systems, Inc./Clean Harbors Environmental Services, Inc. Denton, TX Medical Waste Transfer Facility Registration

Initial Application Submittal Date (10/27/2021) Revision (MM/DD/YYYY)



| NO. | | DESCRIPTION | BY | CHK | APPR | DATE |
|-----|--|---|-----|-----|------|----------|
| 3 | | GENERAL UPDATE | EDK | | | 5/11/18 |
| 2 | | ADDED THERMAL ENHANCER & PROCESS NUMBERING SYSTEM | RDK | | | 10/26/16 |
| 1 | | REVISED TANK SCHEDULE | MDC | | | 5/25/17 |
| 0 | | ISSUED FOR PART 'B' PERMIT | MDC | | | 10/28/21 |
| 1 | | NO. | | | | |

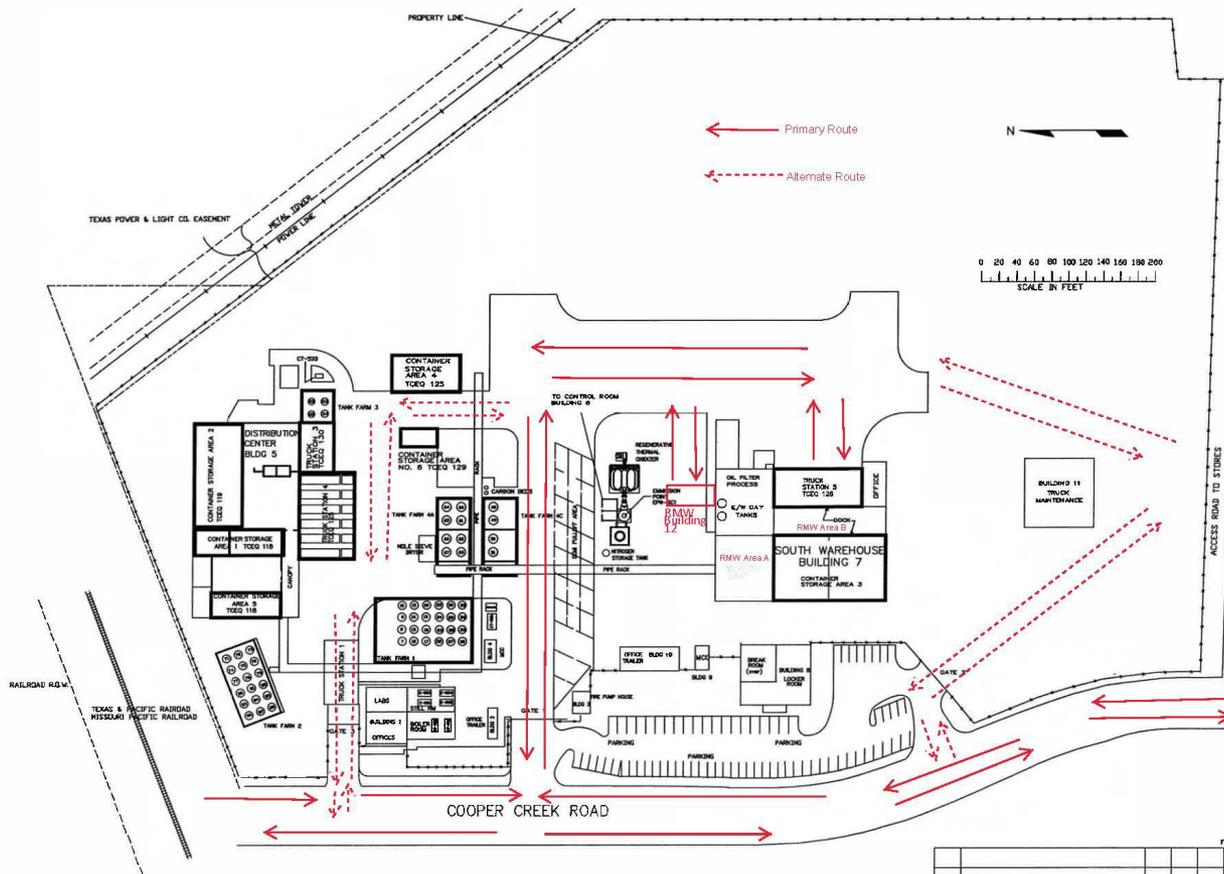
| | | |
|---|--|---|
| FLD. NO. 100 STATE OF TEXAS J. W. CALDWELL 94038 LICENSED PROFESSIONAL ENGINEER 10/28/21 | | SITE PLAN Facility Layout Map SAFETY-KLEEN SYSTEMS INC 1722 COOPER CREEK RD DENTON, TX PHONE (940) 483-5200 SCALE: 1/8"=1'-0" (SEE SHEET 100) SHEET NO. 33 OF 74 DENTON, TX RECYCLE CENTER 92-61808-001 3 |
|---|--|---|

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

Safety-Kleen Systems, Inc./Clean Harbors Environmental Services, Inc. Denton, TX

Medical Waste Transfer Facility Registration

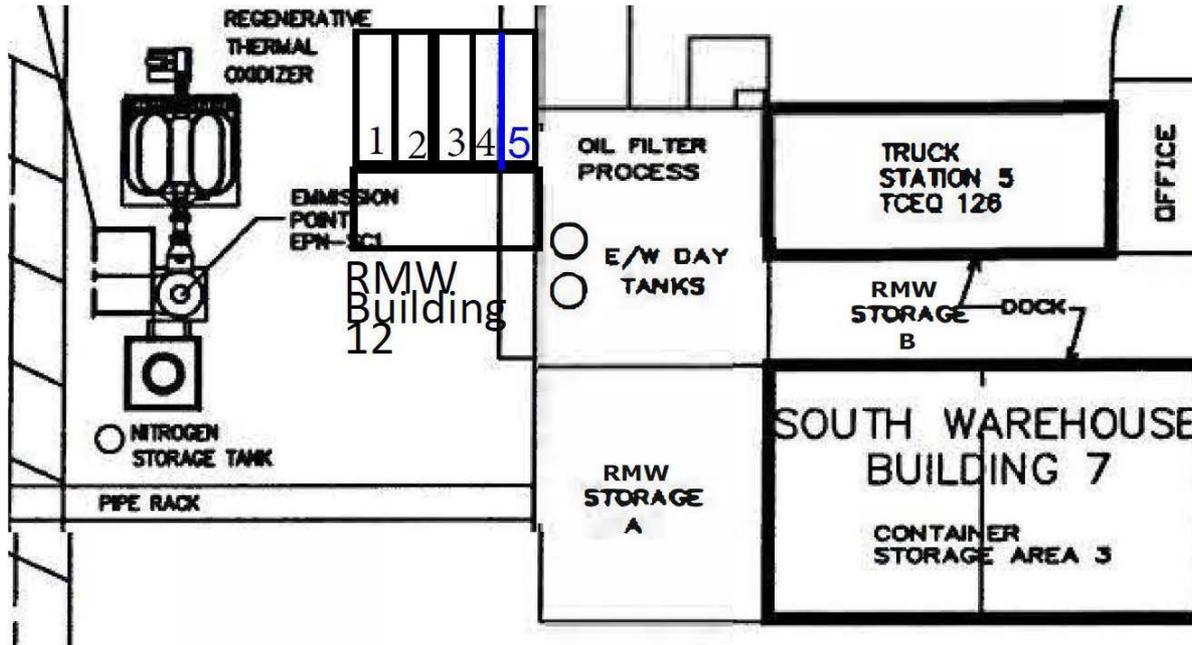
Initial Application Submittal Date (10/27/2021) Revision (MM/DD/YYYY)



| REVISED | | FILE NUMBER | | DATE | |
|---------|---|-------------|-----|----------|------|
| 3 | GENERAL UPDATE | EDC | | 5/1/18 | |
| 2 | ADDED THERMAL OXIDIZER & PROCESS NUMBERING SYSTEM | RJK | KJM | 10/16/16 | |
| 1 | REVISED TANK SCHEDULE | MJC | | 3/25/15 | |
| 0 | ISSUED FOR PART 'B' PERMIT | MJC | | 10/26/14 | |
| NC | DESCRIPTION | BY | CHK | APPR | DATE |

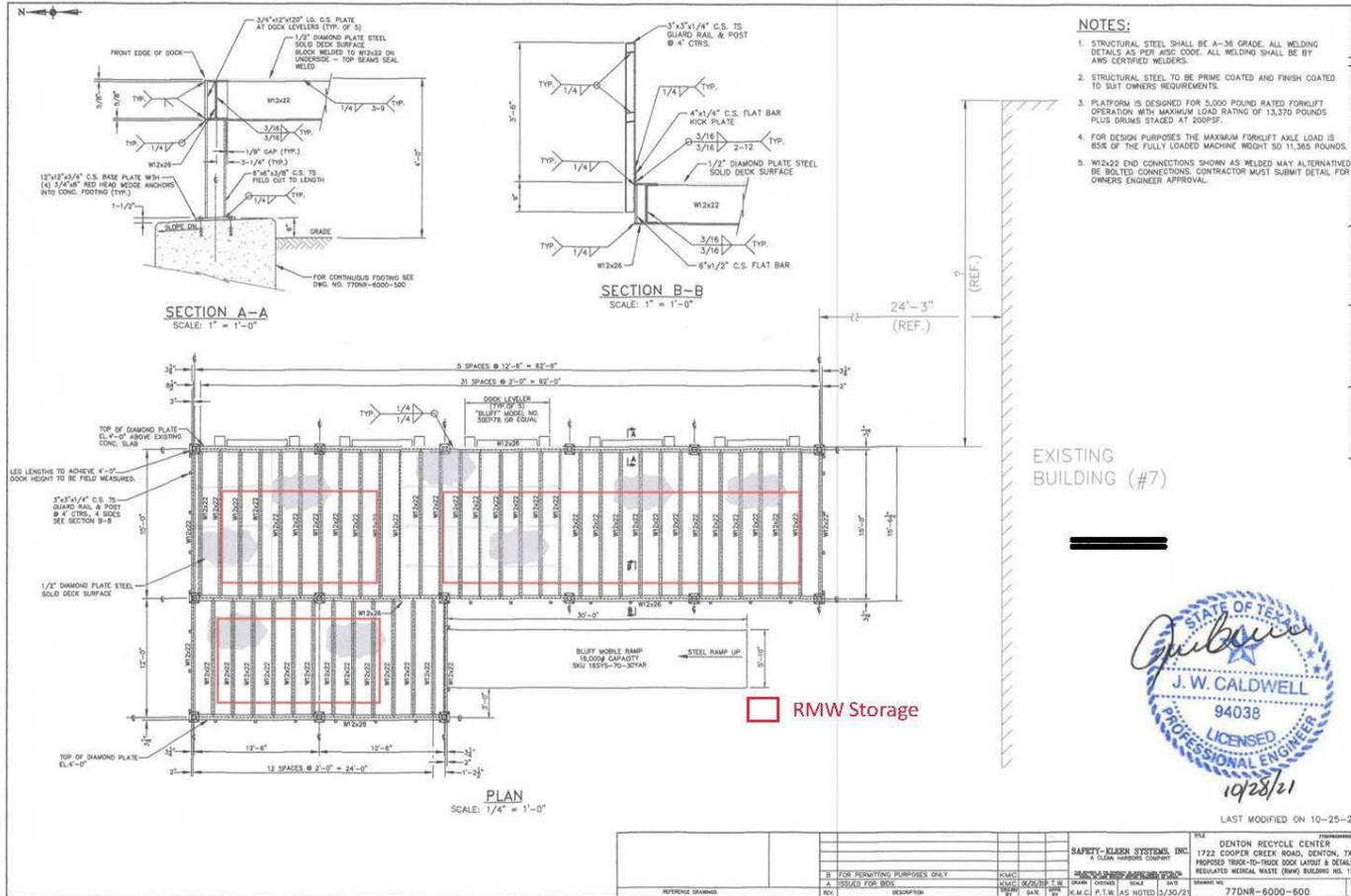
| | | | | | |
|--|--|--------------|--|----------|--|
| SITE PLAN | | SCALE | | DATE | |
| Access Map | | 1"=50' | | 10/28/21 | |
| SAFETY-KLEEN SYSTEMS INC | | | | | |
| 1722 COOPER CREEK RD DENTON, TX PHONE (940) 483-5209 | | | | | |
| DENTON, TX | | PROJECT NO. | | DATE | |
| RECYCLE CENTER | | 39 07 74 | | 10/28/21 | |
| | | 92-6189B-001 | | 3 | |

Safety-Kleen Systems, Inc./Clean Harbors Environmental Services, Inc. Denton, TX Medical Waste Transfer Facility Registration



Safety-Kleen Systems, Inc./Clean Harbors Environmental Services, Inc. Denton, TX Medical Waste Transfer Facility Registration

TCCO-20788, Application for a Medical Waste Registration (Rev. 05-07-21)



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

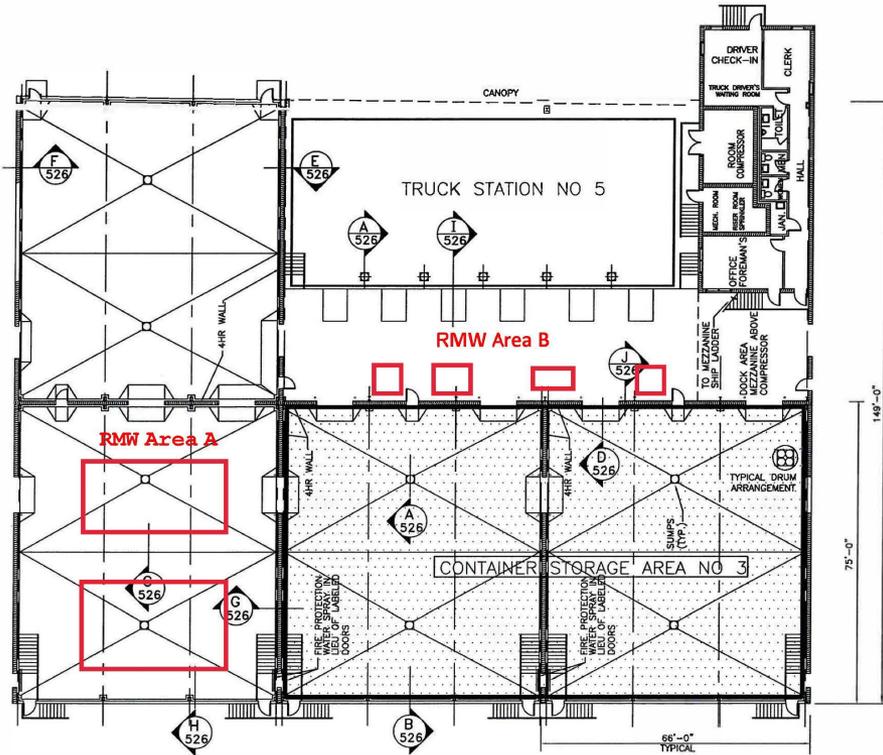
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Safety-Kleen Systems, Inc./Clean Harbors Environmental Services, Inc. Denton, TX Medical Waste Transfer Facility Registration



Safety-Kleen Systems, Inc./Clean Harbors Environmental Services, Inc. Denton, TX Medical Waste Transfer Facility Registration



Regulated Medical Waste Transfer Storage Areas

FLOOR PLAN
SCALE: 1/16"=1'-0"
-5 0 5 10 15 20

DF=B9253080

| | | | | | |
|----|-----------------------------|-----|---------|---|------------------|
| | | | | TITLE | |
| | | | | Building 7 | |
| | | | | EXISTING | |
| | | | | SAFETY-KLEEN SYSTEMS, INC | |
| | | | | 1702 CLEOPHR CHECK RD, DENTON, TX 76208 PHONE: (817) 483-5225 | |
| 0 | REDRAWN FOR PART "B" PERMIT | EDK | | PROCESS APPR. | OPERATIONS APPR. |
| | | | 5/31/18 | SCALE | DRAWN |
| NO | DESCRIPTION | BY | CHKD | APPR | DATE |
| | | | | | |
| | | | | RECYCLE CENTER | DRAWING NO. |
| | | | | DENTON, TEXAS | 92-6180B-530 |
| | | | | DATE | REV. |
| | | | | 5/31/18 | 0 |



**Safety-Kleen Systems, Inc./Clean Harbors
Environmental Services, Inc. Denton, TX
Medical Waste Transfer Facility
Registration**

Questions?

**Contact David DeSha at
desha.david@cleanharbors.com**

Action Item

The Subcommittee will discuss the registration application for a medical waste transfer station for Safety-Kleen Systems, Inc., and vote whether to recommend to the Resource Conservation Council that the application conforms to the North Central Texas Regional Solid Waste Management Plan.

Next Steps

The Resource Conservation Council will vote on the Subcommittee's recommendation regarding Safety-Kleen, Inc. at its meeting on May 12, 2022.

A letter stating the RCC's final conformance determination will be submitted to the TCEQ, and a copy will be sent to the applicant.

Presentation

- Major permit amendment application for the Turkey Creek Landfill, a Type I facility in Johnson County, Texas.

- Nevzat Turan, P.E., Principal, Weaver Consultants Group, LLC

TURKEY CREEK LANDFILL MAJOR PERMIT AMENDMENT

NCTCOG CONFORMANCE REVIEW



WASTE CONNECTIONS
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Applicant Information

- The applicant for this application is Texas Regional Landfill Company, LP, a subsidiary of Waste Connections.
- The Turkey Creek Landfill has provided municipal solid waste (MSW) disposal needs for Johnson County and surrounding counties for 35 years.

Site History

- 1983 Permitted as a 91-acre Type I MSW landfill.
- 1988 Permit Amendment to make more efficient use of the permitted area.
- 1991 Major Permit Amendment expanded the permit boundary to 219.6 acres with waste footprint of 146.4 ac.
- 2019 Major Permit Amendment which vertically expanded the landfill from 834 feet mean sea level (ft-msl) to 946 ft-msl.

Proposed Landfill Expansion Summary

- Vertical and horizontal expansion of the permitted waste footprint
- Maximum height increase from 946 feet mean sea level (ft-msl) to 996 ft-msl.
- Waste disposal footprint increase from 146.4 ac. to 172 ac.
- 219.6-ac. permit boundary does not change.
- Capacity increase of 10.8 million cubic yards.
- Expanded site life is projected to be 12.9 years.



PERMITTED COMPLETION PLAN
 (TCEQ PERMIT NO. MSW-1417C)



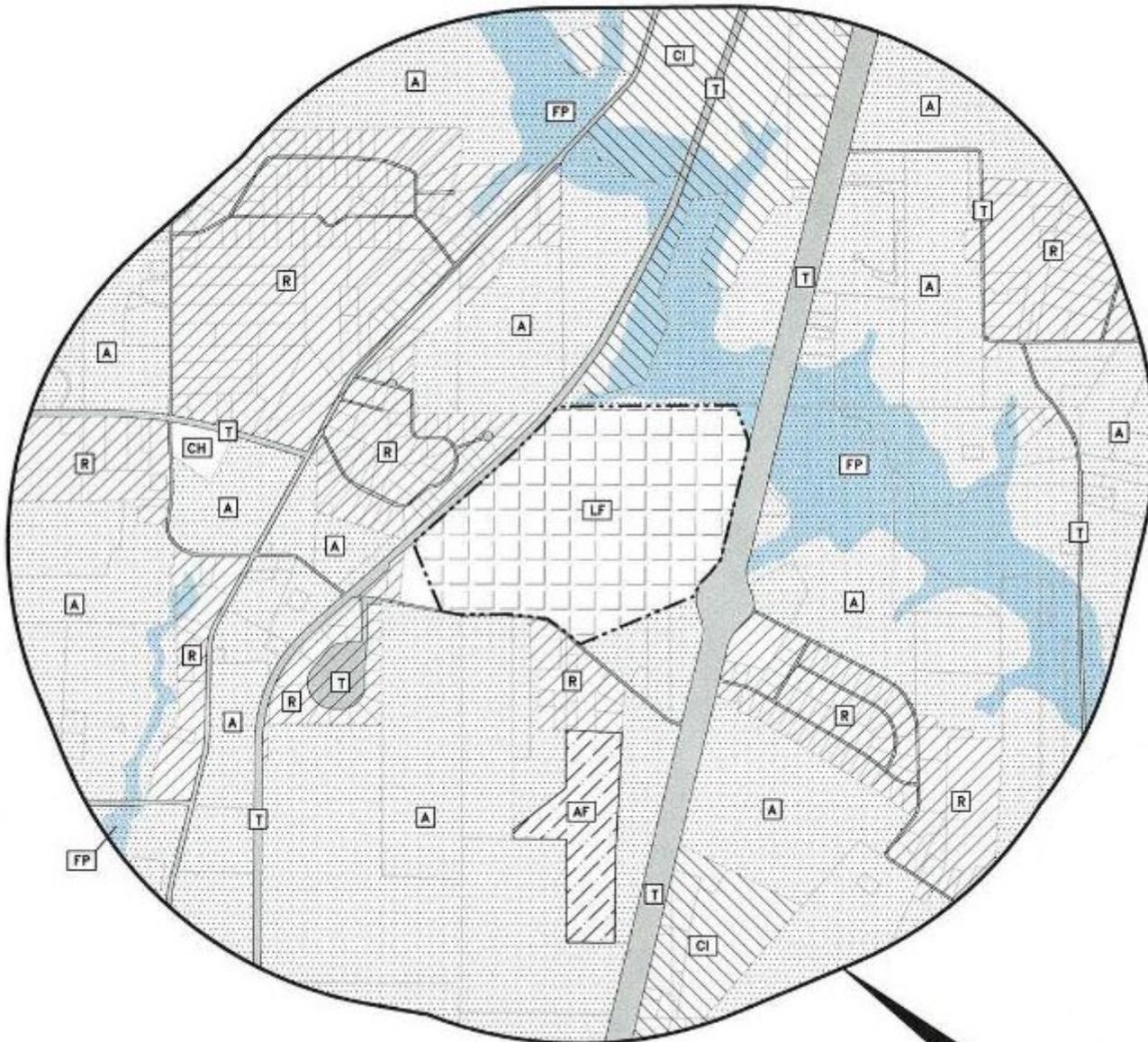
PROPOSED COMPLETION PLAN
 (TCEQ PERMIT NO. MSW-1417D)



Land Use Summary Within 1 Mile

| Land Use | Acres | Percent |
|--------------------------------|--------|---------|
| Agriculture/Open Space | 2020.4 | 54.6 |
| Air Field | 49.5 | 1.3 |
| Church | 9.0 | 0.2 |
| Commercial/Industrial | 247.1 | 7.4 |
| Floodplain | 389.8 | -- |
| Residential/ Rural Residential | 537.9 | 14.5 |
| Transportation Corridor | 590.3 | 16.1 |
| Turkey Creek Landfill | 219.3 | 5.9 |
| Total | 3700.9 | 100 |

* The area of floodplain is not used to calculate the percent area or total acreage.



LEGEND

-  LANDFILL PERMIT BOUNDARY
-  AGRICULTURE/OPEN SPACE
(INCLUDING SCATTERED RESIDENCES)
-  AIR FIELD
-  CHURCH
-  COMMERCIAL, LIGHT INDUSTRIAL
-  FLOODPLAIN
-  RESIDENTIAL, RURAL RESIDENTIAL
-  TRANSPORTATION CORRIDOR
-  TURKEY CREEK LANDFILL

1 MILE RADIUS

Types of Waste Accepted

- Types of waste accepted will remain consistent with the current permit.
 - MSW from residential, commercial, community, institutional, and recreational activities.
 - Class 1, Class 2, Class 3 non-hazardous industrial solid waste.
 - Construction and demolition waste.
 - Special waste.

Consistent with Regional Plan Goals

- NCTCOG Regional Plan supports the need for landfill facilities as a long-term component of the region's solid waste management program.
- Additional capacity gained (10.8 million cubic yards) will contribute to meeting the NCTCOG's goal of maintaining 10+ years of disposal capacity in this region.

Action Item

The Subcommittee will discuss the major permit amendment application for the Turkey Creek Landfill and vote whether to recommend to the Resource Conservation Council that the application conforms to the North Central Texas Regional Solid Waste Management Plan.

Next Steps

The Resource Conservation Council will vote on the Subcommittee's recommendation regarding the Turkey Creek Landfill at its meeting on May 12, 2022.

A letter stating the RCC's final conformance determination will be submitted to the TCEQ, and a copy will be sent to the applicant.

Subcommittee Discussion

Updating NCTCOG's Conformance Review Process.

➡ Elena Berg, NCTCOG

Subcommittee Discussion

Updating NCTCOG's Conformance Review Process.

- Undergoing internal review, then to Subcommittee for approval.
- If needed, we will schedule another meeting to discuss.

Subcommittee Discussion

Updating NCTCOG's Conformance Review Process.

➤ 3 components of Updated Review

➤ 1. Updated MSW Facility Application Evaluation Form

(changed name, some re-phrasing of questions, updated all citations to TAC, Title 30, Part 1, Chapter 330, and used objectives from the most current, adopted regional plan)

➤ 2. Public-facing document of conformance review process

➤ 3. Internal document of conformance process (highly detailed – contacts, sample letter, etc.)

Contact

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