

Resource Conservation Council

Facility Conformance Subcommittee

August 6, 2020

Procedures for Call

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

1. Welcome and Introductions.

2. Presentation.

- Fort Worth C&D Landfill, Fort Worth, TX
 - Scott Graves, P.E., Geosyntec Consultants, Inc., and Gary Bartels and Elijah Vandergriff, Texas Regional Landfill Company, LP.



NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS RCC FACILITY CONFORMANCE SUBCOMMITTEE REVIEW FORT WORTH C&D LANDFILL LATERAL EXPANSION

Type IV Landfill Permit Amendment Application
Tarrant County, Texas

August 6, 2020

INTRODUCTION

- Proposed Lateral Expansion of Existing Type IV Landfill
- Meeting Purpose:
 1. Provide the RCC Facility Conformance Subcommittee with a Briefing on the Proposed Lateral Expansion
 2. Discuss NCTCOG Conformance Review Request for Consistency with *2007 Regional Solid Waste Management Plan* and the related *Planning for Sustainable Materials Management in North Central Texas 2015 – 2040*



WASTE CONNECTIONS
Connect with the Future

APPLICANT OVERVIEW

- The applicant is Texas Regional Landfill Company, LP, an affiliate company of Waste Connections (WC).
- Texas is our home state and represents one of our largest service areas.
- Our companies provide collection, hauling, transfer, recycling, and disposal services across the Lone Star State.
- The Waste Connections family owns or operates eleven landfills in Texas.
- This facility – the Fort Worth C&D Landfill – is one of two active Type IV landfills in Texas owned/operated by WC.

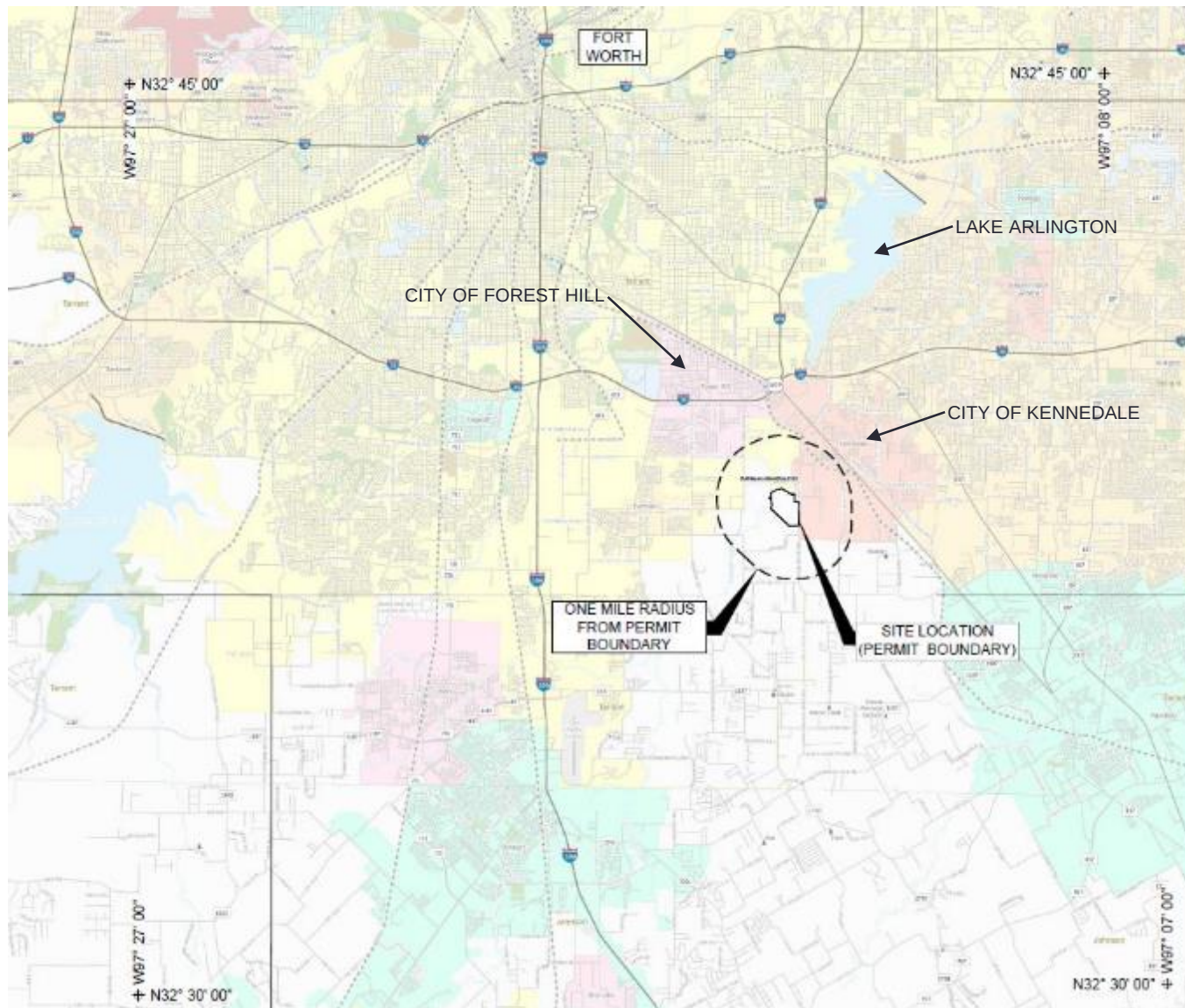


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FACILITY OVERVIEW

- Existing Type IV Landfill (construction and demolition-type waste).
- Initial permit issued: 1988.
- Disposal operations began: 1997.
- Prior to this application (Proposed Permit MSW-1983D), the permit was most recently amended in 2017 (Permit MSW-1983C).
- In June 2015, the NCTCOG RCC found that the permit amendment for Permit MSW-1983C was consistent with the goals of the Regional Plan.
- Surrounding land use is primarily agricultural, undeveloped, and low-density single-family residential. There are also industrial land uses within the area.
 - Note that the Republic Services-operated Southeast Landfill – a Type I MSW landfill – is located approximately 0.5 miles northwest of our landfill.
- This facility is one of two Type IV landfills in the DFW Metroplex area, and the only Type IV facility on the south or west side of DFW.

FACILITY LOCATION



WASTE CONNECTIONS
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SCALE IN MILES

LANDFILL EXPANSION OVERVIEW

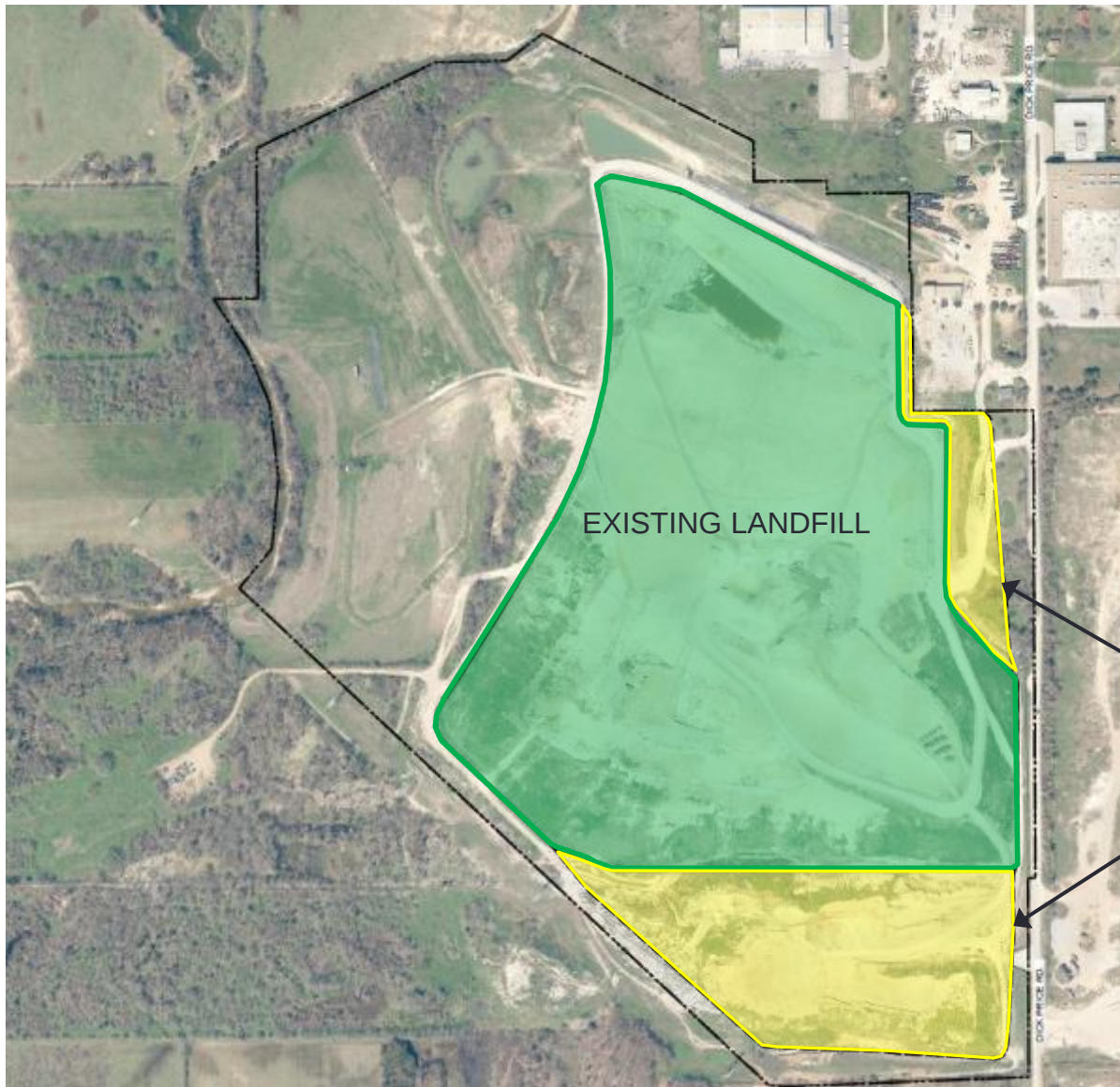


- Current condition: 78-acre landfill on 152-acre permit boundary.
 - To-date, all landfill sectors have been constructed.
- Proposed Lateral Expansion: 100-acre landfill on 174-acre permit boundary.
 - Increase of 22-acres of landfill area.
 - Gain in waste disposal capacity of 4.5 million cubic yards.
 - Adds 7 years of site life.
- The landfill will serve individuals, businesses, and communities in Tarrant County and surrounding counties (Johnson, Parker, Collin, Dallas, and Denton).
- The Fort Worth C&D Landfill is the only Type IV landfill in Tarrant County. The only other Type IV landfill in the DFW Metroplex is over 35 miles away.



WASTE CONNECTIONS
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LANDFILL PROPERTY – AERIAL VIEW



0 200 400
SCALE IN FEET

EXPANSION AREAS

PERMITTING SCHEDULE

- Permit Amendment Application (MSW-1983D) Submitted and Received by TCEQ on **May 22, 2020**
- Request for NCTCOG Conformance Review and Copy of Part I and II of Application Submitted to NCTCOG concurrently
- TCEQ Declared Application Administratively Complete on **June 12, 2020**
- Public Notice #1 Published on **June 30, 2020 (English)** and **July 4, 2020 (Spanish)**
- Technical Review by TCEQ Currently **Ongoing**
 - 1st technical review comments received by TCEQ **July 28, 2020**

TYPES OF WASTE ACCEPTED (NO CHANGES PROPOSED)



- Construction and Demolition (C&D) Waste
- Rubbish
- Inert Material
- Brush
- Certain Special Wastes (limited to only those allowed at Type IV landfills – must be consistent with C&D waste/rubbish)
- Certain Class 2 and 3 Industrial Wastes (limited to only those allowed at Type IV landfills – must be consistent with C&D waste/rubbish)
- Putrescible Waste, Household Wastes, Hazardous Waste, Class 1 ISW, and Liquid Wastes will NOT be accepted



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LANDFILL DESIGN FEATURES

- Standard Type IV Liner System (3-ft low-permeability recompact clay, or 4-ft low-permeability in situ clay)
(No Changes Proposed)
- Standard Type IV Final Cover System (1.5-ft low-permeability clayey soil plus topsoil & vegetated)
(No Changes Proposed)
- Elevation of Deepest Excavation – No Change
- Maximum Height/Elevation – No Change
- Enlarged North Storm Water Detention Pond
- Minor Updates to Groundwater Monitoring System and Landfill Gas Monitoring Probe Network – for complete coverage around expansion areas.



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LANDFILL COMPLETION PLAN



CONFORMANCE REVIEW PACKAGE



- MSW Facility Application Evaluation Form Submitted to NCTCOG in August 2020. Summary Information:
 - No changes to waste stream (remains C&D-type waste).
 - Surrounding Land Use:

Land Use	Percent of Total Area Within One Mile of Facility
Undeveloped / Agricultural Land	35.0 %
Single-Family Residential	19.2 %
Industrial	9.9 %
Other permitted landfill(s)	7.2 %

- Landfill Appearance:
 - Facility has been co-existing with surroundings for over 23 years.
 - Site is in rolling terrain and a valley – helping it blend in.
 - Trees along road to help screen. Large buffer to the west.
 - Nearby Type I landfill (not affiliated with this facility) of similar prominence/height.

NCTCOG REGIONAL PLAN – CONSISTENCY



- Fort Worth C&D Efforts to Assist with Meeting NCTCOG Regional Plan Goals:
 - Recycling
 - ✓ The facility conducts the following waste processing activities for recycling of re-usable materials received at the site:
 - Wood processing
 - C&D recyclable materials recovery
 - White goods/large item recovery
 - ✓ Materials that cannot be recycled elsewhere are beneficially reused on site whenever possible.
 - Stop Illegal Dumping
 - ✓ The facility checks and cleans local roads of litter and debris. Citizens will respect a clean and well-maintained area and be less likely to illegally dump on the roadside.

NCTCOG REGIONAL PLAN – CONSISTENCY



- Fort Worth C&D Efforts to Assist with Meeting NCTCOG Regional Plan Goals:
 - Assuring Capacity for Trash
 - ✓ Expansion of this existing landfill will contribute additional disposal capacity for the region.
 - ✓ Expansion of an existing landfill is a better use of land, resources, and infrastructure than siting a new greenfield landfill elsewhere in the region.
 - ✓ The facility is conveniently located in the region, well known, and frequently used by low volume customers.
 - ✓ One of only two Type IV landfills in the DFW Metroplex; only one on the south and west side.
 - ✓ Proposed expansion is environmentally sound, complies with applicable regulations, and incorporates best industry practices.

COMMUNITY INVOLVEMENT – GOOD NEIGHBOR



- Annual cleanup days for the City of Kennedale
- Community brush box for the City of Forest Hill
- Tours for local community groups
- Daily cleanup of roadways within 2 miles of site entrance
- LEED Certified McKinney MRF collects and sorts recyclables from the DFW area
- Road maintenance assistance provided to local government
- This Type IV facility reduces pressure on airspace and limited site life of the City of Fort Worth's Type I landfill .5 miles to the north



Thank You for This Opportunity to
Present on the Fort Worth C&D
Landfill Expansion

Questions?

Action Items

3. The Subcommittee will discuss the application for the Fort Worth C&D 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.

Discussion

4. Next Steps - The Resource Conservation Council will vote on the Subcommittee's recommendation for the Fort Worth C&D Landfill at its next meeting on August 20, 2020. After this meeting, a letter stating the RCC's final conformance determination will be submitted to the TCEQ, with a copy to be sent to the applicant.

5. Adjournment

Contact

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