

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.



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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*



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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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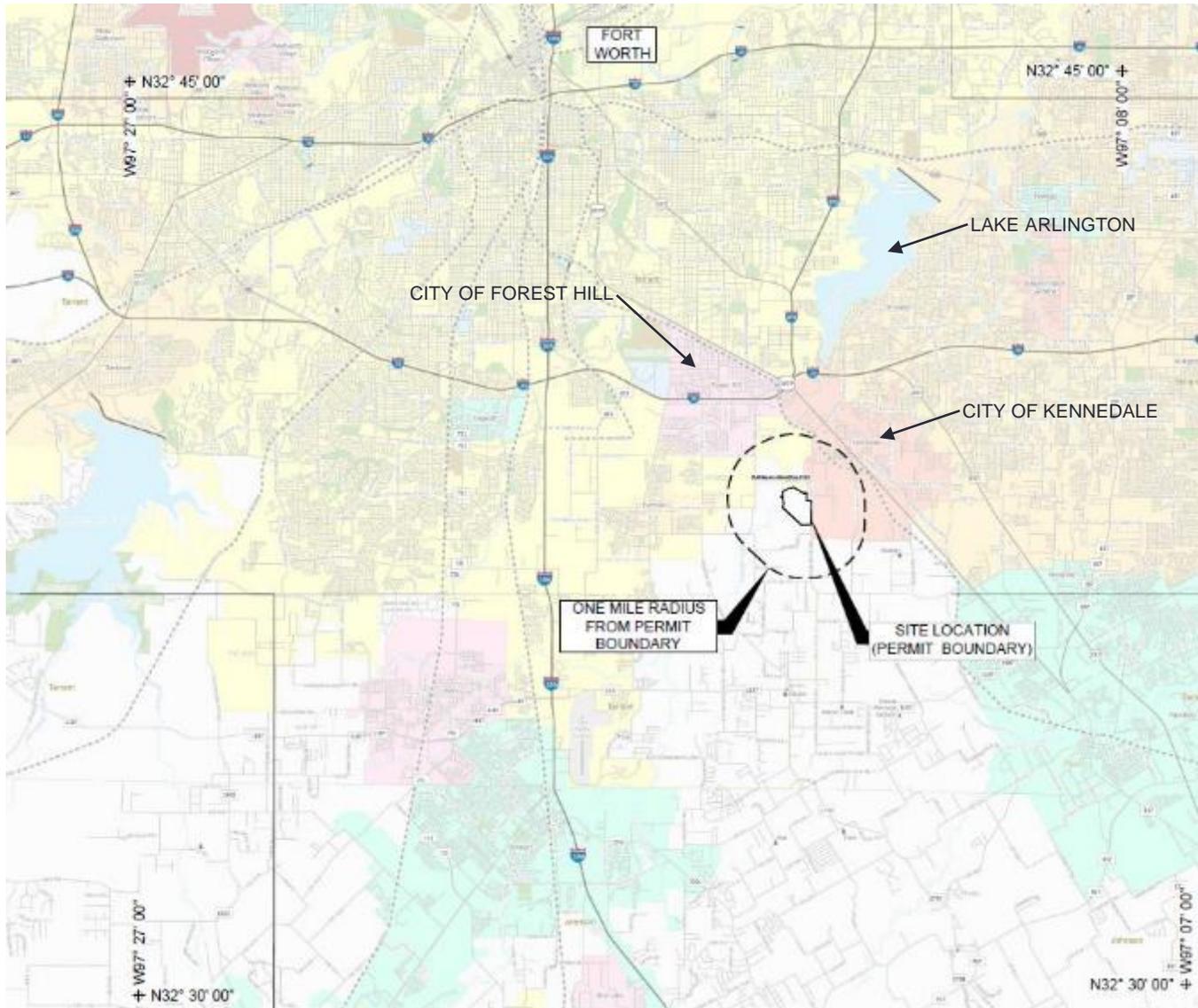
FACILITY OVERVIEW

- 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



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SCALE IN MILES

LANDFILL EXPANSION OVERVIEW

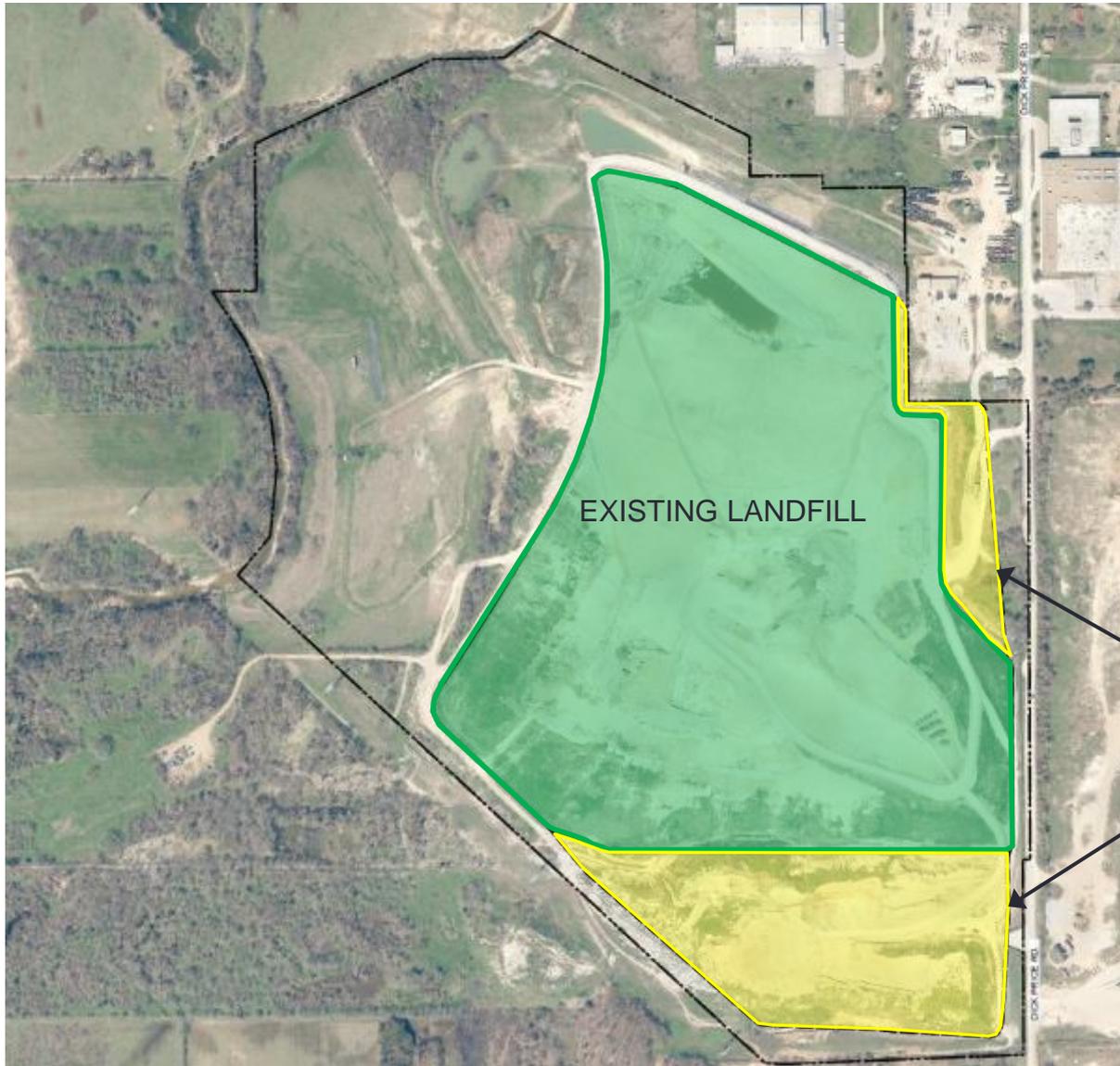


- Current condition: 78-acre landfill on 152-acre permit boundary.
 - To-date, all landfill sectors have been constructed.
- Proposed Lateral Expansion: 100-acre landfill on 174-acre permit boundary.
 - Increase of 22-acres of landfill area.
 - Gain in waste disposal capacity of 4.5 million cubic yards.
 - 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.

LANDFILL PROPERTY – AERIAL VIEW



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0 200 400
SCALE IN FEET

EXISTING LANDFILL

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)



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- 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

LANDFILL DESIGN FEATURES

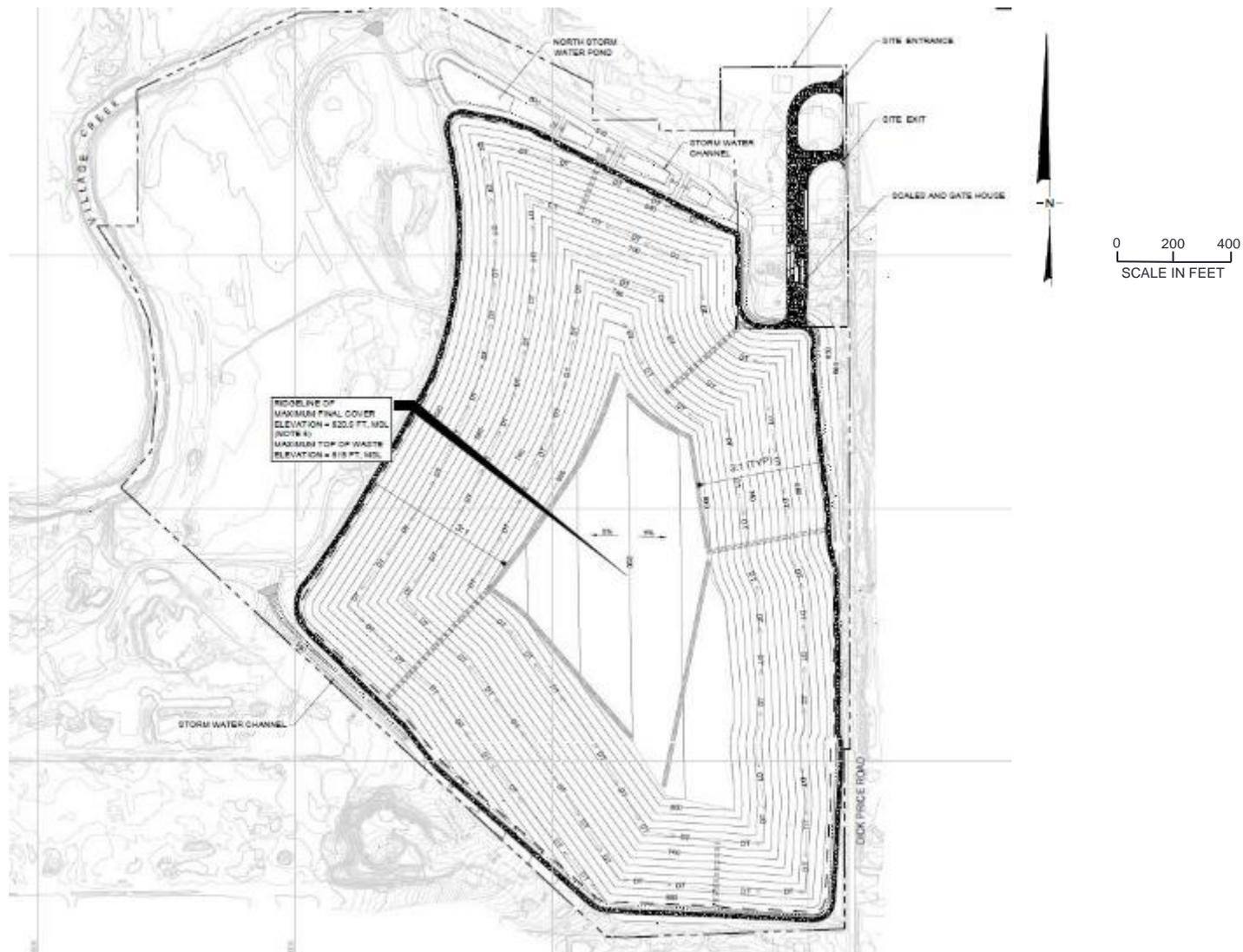


- Standard Type IV Liner System (3-ft low-permeability recompact clay, or 4-ft low-permeability in situ clay)
(No Changes Proposed)
- Standard Type IV Final Cover System (1.5-ft low-permeability clayey soil plus topsoil & vegetated)
(No Changes Proposed)
- Elevation of Deepest Excavation – No Change
- 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.

LANDFILL COMPLETION PLAN



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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



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- 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



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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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