Denton Eco-W.E.R.C.S. Complex Permit Amendment

NCTCOG Conformance Review

March 30, 2017
Introduction

- The Denton facility has been in operation since 1985 and includes several facilities
  - Home Chemical Collection, Building Material Recovery, Grease and Grit Trap Processing (not operational), Landfill Mining, Enhanced Leachate Recirculation, Landfill Gas to Energy, Source Separated Organics Composting
- Currently accepting 700-1,000 tons per day
Site Location
Site History

- 1984 – TDH Permit 1590 issued (30 ac total)
- 1985 – Waste acceptance commences
- 1997 – TNRCC Permit 1590A issued (154 ac total)
- 2009 – Enhanced Leachate Recirculation Permitted
- 2013 – Grease and Grit Trap Waste Permitted
- 2016 – Landfill Mining Approved
- 2017 – Permit Amendment Submitted
  - Increase waste footprint 107 acres, 261 acres total
Current Operations/Facilities

- Type I Landfill
- Home Chemical Collection
- Enhanced Leachate Recirculation
- Landfill Mining
- Building Material Recovery
- Citizen Drop-off areas
- Landfill Gas-to-Energy (3rd Party)
- Bio-Diesel Production (3rd Party)
- Material Recovery Facility (3rd Party)
Permit Amendment Summary

- Lateral and vertical expansion
- Incorporate additional waste streams:
  - Non-hazardous industrial waste
  - Landfill Mining (approved 2016)
  - Liquids Solidification
  - SSO Composting expansion
- Exposed Geomembrane Final Cover
Permit Amendment Summary
1-Mile Radius
Zoning
Growth Trends
Approximate Present Day Conditions
Proposed Landfill Unit 1
Proposed Landfill Unit 2
Discussion