OVERVIEW

- Purpose of POTW Permit Conditions
- SB 1383
- Typical POTW Source Categories
- Key Elements of a Permit Condition
- General Operational Parameters
- Emission Standards
- Monitoring
- Source Testing
- Recordkeeping
- Questions and Answers
PURPOSE OF POTW PERMIT CONDITIONS

- Allow the District to ensure that sources comply with District, state, and federal regulations
- Permit conditions must be enforceable
- Must allow measurement of emitted toxic and criteria pollutants
- Permit conditions help to ensure that equipment is operating as designed
SB 1383 – SHORT-LIVED CLIMATE POLLUTANTS (SLCP): ORGANIC WASTE METHANE EMISSIONS REDUCTIONS

- Signed in 2016 to reduce SLCP in California
- Compared to 2014, 50% reduction in organic waste by 2020 and 75% reduction by 2025
- CalRecycle is given regulatory authority for SB 1383
- Now, CA recycles 10 million tons organic waste
- To reach goal, need to recycle 20 million tons
TYPICAL POTW SOURCE CATEGORIES

- Wastewater Treatment Operations
- Anaerobic Digesters & Flares
- Engines/Microturbines
- Boilers
KEY ELEMENTS OF A PERMIT CONDITION

1. General Operational Parameters
2. Emission Standards
3. Monitoring
4. Source Testing
5. Recordkeeping
GENERAL OPERATIONAL PARAMETERS

• Throughput Limit
  – Wastewater Effluent, Natural Gas/Digester Gas, Digester Gas Production

• Operational Parameters
  – Maintenance of Abatement Devices
  – Abatement of odors at all times
EMISSION STANDARDS

- Volumetric Concentration
- Emission Factors
  - Source Test Results
  - Manufacturer’s Specifications
  - Criteria Pollutants
  - Toxics (H₂S, etc)
MONITORING

- Installation and Operation of Pressure Sensors
- Flow Meter
- Criteria Pollutant Content
- Toxics Content ($\text{H}_2\text{S}$)
- Temperature (flare, engine exhaust)
SOURCE TESTING

- Perform Source Test within 60 days of startup
- Submit Source Test Protocol at least 7 days prior to testing to the Source Test Division
- Submit Results within 60 days of Testing
- Source Tests Performed using District-Approved Testing Methods
- District-Approved Testing Configuration
• Handheld Monitoring Logs
• Startups and Shutdowns
• Throughput
• Over-Pressurization
• Maintain Records for District Requests
Thank you

Questions/Comments?