Agenda

8:30am – 9:00am: Open House & Continental Breakfast

9:00am – 10:50am: Workshop
  • Industrial Waste & Pollution Prevention
  • Customer Survey
  • Finance - Budget
  • Potential Spring Flooding Procedures
  • Waste Types
  • Disposal Sites
  • Online Reporting
  • Excel Reporting Program
  • Communications

10:50am – 11:00am: Closing
Industrial Waste & Pollution Prevention

- We serve the Twin Cities Region of ~3 million people
- We serve 109 communities connected to our system
- We administer 897 active industrial discharge permits
  - 84 Liquid Waste Haulers
Industrial Waste & Pollution Prevention Section

Permittees

Standard Industrial General
- Water Treatment
- Zero Discharge Cat.
- Microbrewery
- Vactor
- Health Care

Liquid Waste Hauler

Special Permits
- Groundwater
- Leachate
- Out of Area

Public

Spills

Odor Complaints

Special Discharge Requests

Education
- Children’s Water Fest
- State Fair

Communities

Sewer Problems
- FOG
- Rags
- Solids
- Corrosion
- Explosive Cond.
- Odors
Clean Water Regulation

• Clean Water Act / 40 CFR Part 403
  – Categorical Standards
  – General Pretreatment Regulations

• EPA Region 5
  – Delegated to Minnesota PCA
  – Approval of Local Pretreatment Programs

• MCES Approved Pretreatment Program
  – Waste Discharge Rules
  – Local Limits
Customer Service Survey Results

• Thank you!
• We know your time is valuable
• Your feedback is valuable
Survey Impressions

- Our staff are knowledgeable and helpful to you.
- Our staff are responsive.
- Our staff are respectful and helpful on site visits.
- Our permitting process is transparent and generally easy.
- Our electronic reporting process is generally easy.
- Reports are timely and useful.
- Our communications are generally good, but could use improvement in certain aspects.
A Focus on Customer Service

- Strategic plan prioritizes customer service
- Survey provides an initial baseline to measure progress
- Survey also helps prioritize work that supports improved customer service
- Also rewards staff performance that supports these things
- Communicate results through our website, newsletters, through staff.
Finance
2019 Sources & Uses – $303M

- Municipal Wastewater Charges 75%
- Sewer Availability Charge (SAC) 15%
- Industrial Waste Charges 5%
- Other 5%

- Fee for service
- No state funds to run Metropolitan Disposal System
- MCES expenses only (no other Met Council expenses)

*Other includes State Appropriations (grants), Investment Earnings, and Other Misc. Revenue
Load Charges include 3 components

1. Strength Component
   - Based on methodology similar to the strength charge equation except hauled waste is assumed to have a set strength
     • Collar County and Standard load charge: 10,000 mg/L for both TSS and COD
     • Portable toilet waste: 20,000 for COD, 10,000 for TSS

2. Volume Component
   - Based on MCES Municipal Wastewater Charge

3. Facilities Component
   - The operating, maintenance and debt service cost for facilities built for receiving hauled liquid waste
### Load Charges

Load Charges (per 1,000 gallons) paid by liquid waste haulers for septage, leachate and other hauled wastes discharged to approved MCES disposal sites.

<table>
<thead>
<tr>
<th>Charge Type</th>
<th>Prelim. 2020</th>
<th>% Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Load Charge</td>
<td>$60.24</td>
<td>0</td>
</tr>
<tr>
<td>Holding Tank Rate</td>
<td>$11.22</td>
<td>1.1</td>
</tr>
<tr>
<td>Portable Toilet Waste Rate</td>
<td>$77.46</td>
<td>0</td>
</tr>
<tr>
<td>Collar County Load Charge</td>
<td>$75.24</td>
<td>0</td>
</tr>
<tr>
<td>Industrial Load Charge**</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Total Suspended Solids (TSS)</td>
<td>$0.413</td>
<td>0</td>
</tr>
<tr>
<td>2. Chemical Oxygen Demand (COD)</td>
<td>$0.2065</td>
<td>0</td>
</tr>
</tbody>
</table>

**Plus $15 per 1,000 gallons for out-of-region haulers**
Potential Spring Flooding Preparations

**MISSISSIPPI RIVER AT ST. PAUL**

Universal Time (UTC)

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
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- Latest observed value: 8.43 ft at 7:00 AM CDT on 21-Mar-2019. Flood stage is 14 ft.

- Major: 17.0 ft
- Moderate: 15.0 ft
- Minor: 14.0 ft
- Action: 10.0 ft

Graph Created (8:00AM Mar 21, 2019) - Observed - Forecast (issued 8:18PM Mar 20)

STPMS (plotting HGIRG) "Gage 0" Datum: 683.77 ft

Observations courtesy of USGS (05331000)
Potential Spring Flooding Preparations

• Metro Closing based on stream gage levels.
  – When St Paul Gage is at 9 ft, Metro begins taking action
  – When hits about 17 ft, Childs Road is closed
  – LWH’s rerouted to 3rd & Commercial

• Major flooding could close Blue Lake. Alternate sites:
  – Empire
  – Fridley

• Communication- GovDelivery, Postings at LWR
Flooding - Procedures for Disposal Sites
Backup Site - 3rd & Commercial
Liquid Waste Types

- Domestic
- Commercial
- Industrial
- Out of Service Area (OSA) Domestic & Commercial Waste
- Out of Service (OSA) Industrial Waste
Disposal Sites

- Metro Plant
- Blue Lake
- Fridley
- Empire
Liquid Waste Receiving Facility Locations
Metro Liquid Waste Receiving (LWR)

Located at the Metropolitan WWTP in St. Paul, MN

- Controlled Access: 70’ Truck Scale, Card Readers, & Traffic Control Signs
- 6 Discharge Holes
  - 2 discharge holes dedicated to MCES Trucks only
  - 2 discharge holes with yellow piping for landfill leachate
- 2 Water Cabinets
- Driver’s Lounge & Restroom
- 2018 = 17,000 Loads (60-96 Loads/day)
- 2018 Discharge Volume = 51,000,000 Gallons
Metro LWR Service

- Accessibility
- Short term shutdowns and long term shutdowns
- Snow removal and ice melting system
- Drop holes types
- Hose cabinets and wash water
- Drive and equipment condition
- Hauler lounge and restroom
- Operations response and availability
Metro LWR Top Issues

• Hose drops
• Dumping large debris
  - plastic sheets
  - clothing/boards
  - large quantity of rocks and grit
• Poor housekeeping
  Not washing buckets
  Not turning the wash buckets upside down

Please let us know about any issues or problems
Blue Lake Liquid Waste Receiving (LWR)

Located at the Blue Lake WWTP in Shakopee, MN

- Controlled Access: 50’ Truck Scale, Card Readers, & Traffic Control Signs
- 2 Discharge Holes
- Water Cabinet
- Pavement Deicing
- No Restroom Facility Available
- 2018 Discharge Volume = 15,000,000 Gallons
  Loads = 11,000 Loads
Fridley Liquid Waste Receiving (LWR)
Located in Business Park in Fridley, MN

- Tributary to the Metro WWTP
- Controlled Access: Security Guard
- 2 Indoor Discharge Sites: Couple Connections
- Volume Measurement: Magnetic Flow Meters
- Water available in bay for cleanup
- Restroom Available
- 2018 Discharge Volume = 7,000,000 Gallons
  Loads = 4,000 loads
Empire Liquid Waste Receiving (LWR)

Located at the Empire WWTP in Empire Township, MN

- Controlled Access: Security Guard
- 2 Discharge Holes
- Water Cabinet
- No Restroom Facility Available
- Haulers required to complete Receipts at Security
- 2018 Discharge Volume = 3,100,000 Gallons
  Loads = 1,400 loads
Online Reporting

• The MCES IORS launched June 30, 2016
• Online reporting became mandatory as of 2/1/2019
• Permit renewal application are online too
Enrollment is Easy

1. Create your user account in the IORS
   - Responsible Officials can sign, certify and submit submissions
   - Consultants can help prepare submissions

2. Complete, sign and submit the Electronic Signature Agreement (ESA)
Online Reporting

IORS Login Page

Every submission has four easy steps…

1. Perform data entry
2. Attach the supporting Excel file and summary sheet
3. Complete validation/verification of data
4. Certify, sign and submit!
Excel Reporting Program

- We wanted to develop a uniform method to record and report LWH load volumes.
- #1 priority - It should be easy to use and provide value to you, the Liquid Waste Hauler.
- It should help with using the Online Reporting System by organizing the information to match the data entry flow.

**Liquid Waste Hauler (Permit #9999)**
**2018 Load Volume Summary - 1st Quarter**

<table>
<thead>
<tr>
<th>Waste Type</th>
<th>Volumes (gallons) by Location</th>
<th>Total Volumes (Gallons)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Metro LWR</td>
<td>Fridley LWR</td>
</tr>
<tr>
<td>Domestic Septage</td>
<td>552</td>
<td>2550</td>
</tr>
<tr>
<td>Industrial</td>
<td>6777</td>
<td></td>
</tr>
<tr>
<td>Landfill Leachate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commercial</td>
<td>1223</td>
<td></td>
</tr>
<tr>
<td>Portable Toilet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Holding Tank</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSA-Hauled</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>8551</td>
<td>2550</td>
</tr>
</tbody>
</table>

- **Select Year**
  - 2018

- **Select Quarter**
  - 1

Click to Open Log Form
Click for Instructions
Click to Create your SMR Submittal

Comments:
You can enter any type of comments or notes in here to submit with your Quarterly Self Monitoring Report.
Training & Support

• In-person training: 4/1/2019 at 8:00 AM – 10:00 AM
  – Demo of system and Excel file
  – Optional working session

• Training materials available on the IORS Homepage

• IORS Support Team is available to help you!
  – Monday – Friday from 8 AM to 4 PM
  – MCESIndustrialOnlineReporting@metc.state.mn.us
  – (651) 602-4789
Communication - IWPP Website

https://metrocouncil.org/
Other Communication

• Open Channel News
• GovDelivery
  – METC@public.govdelivery.com
  – Report Due Dates
  – Workshops and Trainings
  – Disposal Site Notifications
  – NOT SPAM!!
  – We send important information via the GovDelivery email. Please add to your contacts so you do not miss out!
Thank You!