



Monitoring and Research Goals and Objectives for 2018

Goal: Locate three (3) new Significant Industrial Users and/or Large Commercial Industrial Users that discharge to any of the Metropolitan Water Reclamation District of Greater Chicago's (District) Water Reclamation Plants (WRP).

Objective

To identify, inspect and sample (if needed) new industrial facilities to ascertain if their discharges could adversely impact the operation of the receiving WRP or quality of biosolids.

Description

Industrial Waste Division Field Services Section staff will conduct surveillance throughout the District's service area. Unknown or new facilities conducting business, with possible process discharges to the sewerage system, will be reviewed to verify reference in the iPACS database. If not referenced, the facility will be classified, inspected and sampled (if necessary).

Measurability

Number of Significant Industrial Users and/or Large Commercial Industrial Users that discharge to any of the District's WRPs.

Effect on Biosolids Production

New facilities are inspected to determine if they have the capability to adversely impact the operation of the receiving WRP or the quality of biosolids. If so, the facility will be placed on a monitoring schedule to protect the aforementioned WRP operations and maintain biosolids quality.

Relevant EMS Outcomes

Monitoring of facilities will increase regulatory compliance, protect the receiving WRP, and reduce unwanted contaminants in biosolids.

Action Plans

Facilities will be identified through municipal contacts, review of IEPA Tier II reports, and drive-by surveillance. Newly identified facilities will be required to complete a Facility Classification Questionnaire and will be inspected and sampled within 30 days if warranted.

Tracking Progress

The Senior Environmental Specialist in each field office will schedule surveillance, verify that inspections are conducted, reports written and data entered into the pretreatment program database.

Responsible Person(s)

Senior Environmental Specialist

Funds/Resources

Funds are budgeted for 2018.

Target Date

December 2018

Goal – Locate three (3) new sources of High Strength Organic Material (HSOM) for the Enhanced Biological Phosphorus Removal Program or Biogas Utilization Program.

Objective

To locate any new facilities that could contribute hauled HSOM to enhance District biological P removal and biogas utilization through its resource recovery initiative.

Description

Industrial Waste Pretreatment and Cost Recovery Section staff will seek out prospective HSOM sources. All potential HSOMs will be chemically pre-screened by the Analytical Laboratories Division to ensure that they are not contaminated with pollutants of concern and that they meet strength criteria. Approved sources will be issued an Organic Material Delivery Authorization (OMDA).

Measurability

Number of new HSOM sources that have been issued OMDAs.

Effect on Biosolids Production

Chemical pre-screening of potential HSOMs will determine any capability to adversely impact the operation of the receiving WRP or the quality of biosolids. Prospective HSOMs must meet stringent pollutant criteria to be approved for delivery.

Relevant EMS Outcomes

Pre-screening and sampling and monitoring of actual HSOM loads by Field Services Section staff will increase regulatory compliance, protect the receiving WRP, and reduce unwanted contaminants in biosolids.

Action Plans

Prospective HSOM sources will be identified through public and on-line outreach efforts as well as via municipal contact and Industrial Waste user database search.

Tracking Progress

The Supervising Environmental Specialist in the Industrial Waste Pretreatment and Cost Recovery Section will track HSOM deliveries, monitor activities, and maintain a database of all approved sources and haulers.

Funds and Resources

Funds are budgeted for 2018.

Responsible Person(s)

Supervising Environmental Specialist

Target Date

December 2018