

Acton Wastewater Treatment Plant CNA Data Assessment

Earth Tech is assisting the Region of Halton improve the accuracy of the asset management information for the Acton wastewater treatment plant from the current 70% level to a 90%+ accuracy. This project ensures that appropriate levels of funding are in place today and in the future for the region to continue to meet service level requirements. This is to be accomplished by the following:

- Enhance/expand existing inventory to cover all assets in the plant as the existing inventory covers critical assets and may not cover the entire plant
- Improve the quality of attribute data and collect additional attribute data including installation, expected life, and replacement value
- Assess and assign condition/risk to all assets in the plant
- Develop a year-by-year spending graph for the Acton plant over the next 20 years to assess reserves and rate structures
- Assess plant replacement value
- Develop a framework for all plants in Halton including information standards and business process standards (e.g., life cycle analysis)



A four-level approach was proposed for the Acton inventory. Each of the four levels will support different business requirements. Level 1 being the facility level, Level 2 the process level, Level 3 the asset management level, and Level 4 the maintenance level. The focus of the inventory collection was to develop a comprehensive Level 2 and Level 3 inventory structure. Data will now be populated for levels 1, 2, and 3 to support asset management practices.

PROJECT DETAILS

CLIENT: Regional Municipality of Halton
LOCATION: Oakville, Ontario Canada

REFERENCE INFORMATION

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PROBLEM

The Region of Halton wished to improve the accuracy of the asset management data available for the Acton Wastewater Treatment Plant from the current 70% level to a 90%+ accuracy level.

CHALLENGES

The data available was incomplete and not all inclusive.

SOLUTION

A new data set is being built for levels 1-3, with the pertinent information populated and included to support asset management practices.

BENEFITS

Through this process, the client will develop a framework for all facilities to access plant value and collect information to support asset management practices.