

Day One - Track One

Wednesday, March 22nd, 2017

3:00 p.m. – 3:30 p.m.

Environmental Technology Verification (ETV) Program Update: The shift to ISO 14034 and the new Oil Grit Separator verifications

Presenters: Tim Van Seters, Toronto and Region Conservation Authority
Jose Luis Hernandez, CSA Group

Biographies



Tim Van Seters manages the Sustainable Technologies Evaluation Program (STEP) at the Toronto and Region Conservation Authority. He has over 15 years experience designing and implementing stormwater technology monitoring studies and developing best practice guidance on the implementation, operation and monitoring of these practices. Throughout his career, Tim has provided advice on the design and construction of stormwater facilities and published several scientific reports and journal articles on hydrology and low impact development stormwater management. He holds a Master's degree specializing in water resource science from the University of Waterloo and a Bachelor of Science degree from the University of Toronto.



Jose-Luis Hernandez works for CSA Group as Program Manager, Environment and Climate Change. He has extensive standards development and conformity assessment experience in North America and at the International level in the areas of environment and energy. He has also held the International Secretary of various ISO Committees related to climate change, environment, and sustainable development. Jose Luis has worked for NEMA, ANCE, and most recently as VP of the World Council on City Data.

Abstract

Environmental Technology Verification (ETV) is a process designed to verify the environmental performance claims of technologies. The recently published ISO 14034 Standard on Environmental

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Technology Verification aims to standardize the ETV process globally so that companies interested in becoming verified will have results that will be recognized in local, national, and global markets. The first part of this presentation will provide a brief overview of the benefits of independent validation of technology environmental performance claims and discuss how adoption of the new ISO 14034 standard will affect the process of product testing and verification under the Canadian ETV program.

The second part of the presentation will provide an update on testing and verification of oil grit separators (OGS), and how these verifications can be used by municipalities and other agencies as part of their approval process. In 2013, TRCA worked with a 22 member advisory committee to develop a standard laboratory test procedure for evaluating the performance of OGS technologies on behalf of the ETV program. Over the past year, a number of OGS vendors have completed testing and verified their products under the ETV program. The test data presented as fact sheets on the ETV website provide approval agencies with an independent assessment of how these technologies perform under standardized laboratory test conditions. Guidance will be provided in this presentation on how these data could be interpreted for the purposes of approving the technologies, and what agencies should look out for when evaluating vendor claims.

Learning Objectives

1. Learn about the new ISO standard and what it means for product verifications through the Canadian ETV program;
2. Understand how new testing of OGS and other stormwater technologies through the ETV program can help agencies make informed decisions on the management of stormwater; and
3. Learn how new testing data for OGS technologies could be interpreted to ensure that expected outcomes are achieved in practice.