

ECO Canada
Greenhouse Gas Project
Walters Tubua, Manager
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AQVE Annual Conference



Overview

- About ECO Canada
- GHG Project
 - Project background and objectives
 - NOS Documentation and Personnel Certification



ABOUT
ECO CANADA



ECO Canada is...

- National Sector Council since 1992
- Committed to ensuring an adequate supply of people with the demonstrated competence to meet the HR needs of the environment sector



ECO Canada Services

- Career information
- Online job board
- Internship programs
- Professional development
- Professional recognition
- Research of workforce trends
- Occupational standards



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GHG Project

National Occupational Standards
Development and Personnel
Certification



Project Background

- Partnership between Standards Council of Canada, Natural Resources Canada (TEAM), and Human Resources and Skills Development Canada (HRSDC)
- To address the gap in the GHG industry of what a QUALIFIED GHG practitioner is



Project Objectives

- To document the competencies required of a qualified GHG Verifier and Quantification Practitioner
- ISO Compliance:
 - GHG NOS is intended to be consistent with ISO 14066 (in development), as well as 14064 and 14065



Project Objectives (cont'd)

- To establish and administer a certification program that evaluates and recognizes competent GHG Verifiers and Quantification Practitioners
- More than **200 GHG Practitioners** have opted to volunteer in this project



What are National Occupational Standards?

- Competency statements required of an individual to successfully perform work within an occupation (i.e. to be considered competent)
- Competencies are developed from knowledge, skills and attributes.
- NOS have served as a recruitment tool for employers, a tool to guide curriculum development, and the foundation for the certification of environmental practitioners in Canada .



NOS Documentation

- Two NOS profiles are being documented:
 - GHG Verifier
 - GHG Quantification Practitioner: Organization level & Project Level
- Refinement over Fall 2008
- National Validation Winter/Spring 2009
- Finalized Summer 2009



NOS Development to Date

Activity	Date
May 2008	Expert Advisor Workshop
June/July 2008	NOS Refinement (teleconferences)
Aug/Sept 2008	Integration with ISO 14064 &14065
Oct 2008	NOS Finalization (Focus Groups)
Feb-May 2009	NOS National Online Validation
June 2009	Final Focus Groups



NOS Profile layout

- **GHG Quantification practitioner NOS**
8 Areas of Competency
64 Tasks
- **GHG verifier NOS**
7 Areas of Competency
67 Tasks



Main areas of competency

- GHG Program expertise
- Quantification expertise
- Data and information auditing expertise
- Facility/Project expertise
- Lead expertise
- Financial production expertise
- QA/QC (GHG QP specific)



NOS Maintenance

- Review the GHG NOS profiles every 3-5 years
 - First review will be when ISO 14066 is released (2011)

Call for action

- Visit www.eco.ca/ghg to participate in this project



GHG Personnel Certification

- Will be informed by NOS
- To be administered by the Canadian Environmental Certification Approvals Board (CECAB)
 - Accredited to ISO 17024
- Will be a self assessment with 3 peer review



Certification Criteria

Education: Must have a university degree or equivalent, in a field relevant to GHG.

Work experience: Minimum of 5 years relevant work experience

Work Logs: Must demonstrate competence in the relevant areas of competence for the specialization



Designations

- **Certified GHG Verifier (CGV)**
 - CGV Quantification – CGV (Q)
 - CGV Auditing – CGV (A)
 - CGV Leader – CGV (L)
- **Certified GHG Quantification Practitioner (CGQP)**
 - Specializations are to be determined



NOS Self Assessment Sample

STATEMENTS	EXPERIENCE	LEVEL	REGENCY
A1 - Air Quality Environmental Assessments, Remediation, Restoration, and Reclamation			
Assess qualitative and quantitative environmental issues, risks or problems, including their cumulative effect and corresponding socio-economic impacts, to develop mitigative plans and measures.			
Identify the geographic, social, economic, and environmental scope and parameters to be used for the impact assessment study.			
Consult with stakeholders (including regulators, municipalities, public, interest groups, Aboriginals, NGOs, etc.) to gather information regarding the perceived impacts of development activities on the communities, the environment and the natural resources.			



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