

Other PHC Projects

2020 Plant Uptake of Petroleum Hydrocarbons and Salt (NaCl) and Derivation of Soil-to-Plant Uptake Factors

2018-2020 Remediation of Hydrocarbon Contaminated Soil and Groundwater using Heat-Activated Nano Stimulators

2013 Assessment of the Environmental Significance of Vapour Emissions During Ex Situ Remediation Activities Compared to Landfill Disposal, 2013 Summary Report

- 2013 MEMS_Sampling Letter _Vapour Emissions from Ex Situ Remediation
- 2013 MEMS_Vapour Emissions Spreadsheet Tool
- 2014 MEMS_Vapours Presentation
- 2014 MEMS_Sampling Letter _Vapour Emissions from Ex Situ Remediation

2013 A Rapid Bioassay for Predicting Toxicity of PHC-Contaminated Soil, Phase 3

- 2013 ALS_Rapid Bioassay for PHC Contaminated Soil Presentation
- 2013 ALS_ A Rapid bioassay for predicting toxicity of PHC contaminated soil_Phase 3 Report
- 2014 HydroQual_Bioassay Presentation

2012 Vapour Emissions During Ex Situ Remediation Activities: Model Calibration, Evaluation of Biofilters, and Screening Tool Development

- 2012 Meridian_Vapour Emissions During Exsitu Remediation Activities
- 2012 Meridian_Vapour Emissions Spreadsheet Tool

2012 Assessment of the Environmental Significance of Vapour Emissions During Ex Situ Remediation Activities Compared to Landfill Disposal, 2012 Update

- Meridian_Vapour Emissions
- 2011 Meridian_Vapour Emissions
- 2012 Meridian_Vapour During Exsitu Remedial Activities compared to Landfill Disposal

2012 Alternative Process for Developing a Tier 2 SSR0, Phase 1

- 2013 Zajdlik and Stantec_Tier 2 SSR0s Presentation
- 2013 Stantec_Alternative Process for Developing Tier 2 SSR0s
- 2013 Stantec_SSR0_Report 09-9193-50
- 2011 WorleyParsons_Tier 2 for F2 and F3 Presentations

2011 A Rapid Bioassay for Predicting Toxicity of PHC-Contaminated Soil, Phase 2

- 2011 ALS_PHC Rapid Bioassay-913751 Report
- 2011 HydroQual_Bioassay Presentation

2011 Simplified Microtox Bioassay Procedure for Drilling Waste Testing

- 2011 ALS_PHC BioassayFinal for Drilling Waste_09-9158-50 Report

2009-2011 Crop Response to Excessive Root Zone Contamination with Petroleum Hydrocarbons Under Simulated Drought

2010 A Rapid Bioassay for Predicting Toxicity of PHC Contaminated Soil, Phase 1

- 2009 ALS_PHC Rapid Bioassay_09-9159-50 Report

2010 Petroleum Hydrocarbon Tier 2 Guideline Calculation Software

- Hydrocarbon Calculator

2008 Earthworm Chronic Testing Phase 2, Identifying Effective Soil Conditioners and Amendment Levels in Clay and Sand Reference Soil for Use in Toxicity Testing

- 2008 Stantec_Soil Conditioners and Overview of A New Bioavailability Project
- 2008 Stantec_SOIL CONDITIONERS AND AMENDMENT LEVELS IN CLAY AND SAND for TOXICITY TESTING_Phase 2

2007 Applications of Ecotoxicity Methods and Bioassay Testing for Site Specific Risk Assessments

- 2007 Stantec_Ecotoxicity and Bioassay for SiteSpecific Risk Assessments Presentation

2006 Validation of Toxicology Test Methods for Assessing Petroleum Hydrocarbon and Brine Spills in Boreal Forest and Taiga Eco-Zone Soils

- 2007 SRC_PHC and Brine Spills in Boreal Forest Soils
- 2007 SRC_PHC and Brine Spills in Boreal Forest Soils Report
- 2008 Env Canada_PHC contaminated boreal forest soil Presentation
- 2010 Env Canada_Boreal Forest Soil Toxicity Test Methods Presentation
- 2013 Env Canada_PHC contaminated boreal forest soil Presentation

2002 Test Methods for Assessing Toxicity in Contaminated Soil Presentation

- 2002 Stantec_EARTHWORM Tests PH 2 Report
- Stantec_Soil Test Methods for Assessing Toxicity in Contaminated Soil Presentation
- 2003 Stantec and UMA_Soil Toxicity Presentation
- 2004 Env Canada_Biological Test Methods for Assessing Contaminants in Soil Presentation

2002 In Situ Flushing Process for the Treatment of Mixed-Contaminated Soil

- 2004 SAIC_Remediation using insitu flushing Presentation

2002 Electro-Thermal Remediation of Hydrocarbon Contaminated Soils and Groundwater

2002 Treatment of PAHs in Soil using a Two-Phase Partitioning Bioreactor

2001 Monitored Natural Attenuation for Upstream Oil and Gas

- 2000 Komex_Uptake of Sulfolane by Cattails Report
- 2001 Komex_MNA Presentation
- 2001 UoA_Natural Attenuation
- 2002_Remediation by MNA_ERAC
- 2002 Komex_MNA Letter Update
- 2002 Komex_Diffusion Samplers in MNA Letter Update
- 2002 Armstrong_Assessment MNA Report
- 2003 ERAC_Remediation of PHC Site by MNA
- 2004 Komex_Sulfate Reduction_MNA
- 2004 Komex_MNA Presentation
- 2005 Komex_MNA Presentation

2001 Land treatment of bioremediated hydrocarbon contaminated soils

- 2002 ARC_Phytoremediation to Enhance Hydrocarbon Remediation in Landfarms

2001 Chemical Washing Oil Contaminated Soil

- 2001 Chemical Washing_Proposal

2001 Developing a method for large scale field measurement of soil gas emission

2000 Hydrophobic Soils: Site Characterization and Tests of Hypotheses Concerning their Formation

- 1998 Imperial_Hydrophobicity Project
- 2000 Imperial_Soil Hydrophobicity
- 2002 Imperial_Soil Hydrophobicity_Part 2

2000 Acute Screening and Definitive, Chronic Testing with Motor Gasoline

- 2000 Stantec_Acute Screening and Definitive, Chronic Toxicity Tests with Motor Gasoline_Presentation

2000 Degradation of Petroleum Hydrocarbons at the Soil/Root Interface in Contaminated Soils

2000 Modification of Plant Roots to Accelerate Microbial Degredation of Hydrocarbons