



CHECKLIST

UNDERGROUND STORAGE TANK REMOVAL IN ACCORDANCE WITH ONTARIO REGULATION 213, THE FUEL OIL CODE B139-00 AND ENVIRONMENTAL PROTOCOLS FOR OPERATING FUEL HANDLING FACILITIES IN ONTARIO, GA1/99

UST REMOVAL

- All underground storage tanks (USTs) must be removed by a qualified PM-2 Contractor licensed by the TSSA's Fuel Safety Division under Ontario Regulation 216.
- Contact the Ontario Petroleum Contractors Association to locate a licensed Petroleum Contractor in your area. www.opcaonline.org

ENVIRONMENTAL ASSESSMENT AND REPORTING

- Upon the permanent removal of a UST, the owner of the property must have an assessment report completed which delineates the full extent of any petroleum product that has escaped to the environment.
- All environmental assessment activities must be completed in accordance with the requirements specified in the TSSA Fuel Safety Division's "Environmental Protocols for Operating Fuel Handling Facilities in Ontario, GA1/99".
- Following removal of the UST, the base and sidewalls of the excavation must be examined for visual and olfactory evidence of petroleum impacts and screened for the potential presence of volatile organic compounds (VOCs) using a real-time, organic vapor analyzer.
- Confirmation soil samples must be collected from locations with the highest detected VOCs concentrations directly into the laboratory supplied sample containers. The completely filled sample containers (i.e., no headspace) must be immediately placed on ice inside of a sample cooler and delivered for laboratory analyses of total petroleum hydrocarbons (fractions F1 through F4) as well as benzene, toluene, ethylbenzene and xylenes.
- The number and locations of confirmation soil samples must be selected in accordance with the procedures specified in Appendix A of the TSSA Fuel Safety Division's "Environmental Protocols for Operating Fuel Handling Facilities in Ontario, GA1/99" (i.e., a minimum of 2 floor samples and 2 sidewall samples).
- If groundwater is encountered at the base of the excavation or there is evidence of potential petroleum impacts to groundwater, confirmation groundwater samples must be collected and placed directly into the laboratory supplied sample containers. The

completely filled sample containers (i.e., no headspace) must be immediately placed on ice inside of a sample cooler and delivered for laboratory analyses of total petroleum hydrocarbons (fractions F1 through F4) as well as benzene, toluene, ethylbenzene and xylenes.

- Complete additional activities, as necessary, to delineate the full extent of any petroleum product that has escaped to the environment.
- All environmental laboratory analyses must be completed by an accredited environmental laboratory in accordance with methods and procedures specified in Ontario Regulation 153.
- All environmental assessment information must be kept in a clear, organized technical report format. The report must include a comparison of the confirmation soil analytical data to the appropriate MOE soil cleanup standards specified in the document entitled "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act".
- The report must be signed by a Qualified Person (e.g., Professional Engineer) in accordance with the requirements specified in Ontario Regulation 153.

NOTIFICATION

- Notification must be provided to the TSSA Fuel Safety Division within 90 days following decommissioning and removal of a UST.
- The MOE must be notified immediately should it be determined during the environmental assessment activities that environmental conditions at a site contravene the applicable sections of the Environmental Protection Act or the Ontario Water Resources Act.

REMEDIATION/MANAGEMENT OF PETROLEUM IMPACTED MEDIA

- Remediation or management of any associated petroleum impacted soil or groundwater must be completed in accordance with the requirements of Ontario Regulation 347.
- Any petroleum impacted soil or groundwater transported from a site for treatment and/or disposal must be characterized in accordance with Ontario Regulation 558.
- All petroleum impacted soil or groundwater must be properly manifested and transported by a qualified waste transporter licensed under Ontario Regulation 347 for treatment and/or disposal at an appropriate waste disposal facility also licensed under Ontario Regulation 347.
- All environmental laboratory analyses must be completed by an accredited environmental laboratory in accordance with methods and procedures specified in Ontario Regulation 153 and/or Ontario Regulation 558, as appropriate.

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