

Thermal Supplement Instructions

Introduction

This guidance document was prepared to assist customers in completing the Thermal Supplement. Acceptance of hazardous waste at US Ecology’s Oil Reclamation Facility is limited to oil bearing waste from petroleum refining, production or transportation services.

Petroleum refining wastes are those generated by processes engaged in producing hydrocarbon products such as gasoline, kerosene, distillate fuel oils, residual fuel oils, lubricants, etc., through fractionation or straight distillation of crude oil, redistillation of unfinished petroleum derivatives, including cracking, gasification or other processes. This industry also produces aliphatic and aromatic chemicals as by-products. Waste generated through petroleum and natural gas production and transportation practices supporting this industry, such as crude petroleum extraction; transportation and bulk storage of petroleum products; natural gas extraction, transmission, distribution and storage may also be accepted by US Ecology’s Oil Reclamation Facility.

Thorough information on the Waste Profile Form and the Thermal Supplement will expedite the approval process. A current copy of the form is available from a US Ecology Customer Service Representative or in electronic form from US Ecology’s website at www.usecology.com. For questions, please contact US Ecology’s Customer Service team at one of the locations below:

US Ecology Idaho	Grand View, Idaho	(800) 274-1516
US Ecology Nevada	Beatty, Nevada	(800) 239-3943
US Ecology Michigan	Detroit, Michigan	(800) 396-3265
US Ecology Texas	Robstown, Texas	(800) 242-3209

Section A - Generator Information:

Facility Where Waste Originated	If your facility is a TSDF or other off site processor, enter the facility that originated the waste. Example: if you received a K048 waste from ABC Oil Refinery, enter “ABC Oil Refinery”. The waste must be tied to a qualifying facility.
Name of Generator	If your facility is a TSDF and you are the generator, enter your facility name. If the generator is the same as the origin facility, “same as above” can be entered.
Waste Stream Name	Enter the same name as indicated on the Waste Profile Form.

Section B-Waste Characteristics :

Thermal Desorption Qualification	The waste must be oil bearing from petroleum refining, production or transportation to qualify for thermal treatment.
Petroleum Refining Listed Waste Codes	Check all oil refining waste codes that apply to the waste, or check the box indicating “No Petroleum Refining Listed Waste Code applies”.
Detailed Description	If the waste does not carry qualifying oil refining waste codes as listed, detailed process information must be provided to back up the “yes” certification in Section A. Example: “gasoline product tank clean out at a pipeline transportation terminal”.

Section C- Waste Composition:

Primary Waste Components	This question requires completion. Enter the <u>average of the components, not the range</u> (estimates are acceptable). The numbers for these three boxes must total 100%. The Solids entry must exclude the oil fraction that is entrained in the solids. Organics/Oil/TPH must be completed, “0” oil indicates an unacceptable waste stream.
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Waste Properties	Check all boxes that apply under Physical State. If BTU and % ash are available, please supply.
Specific Waste Constituents	A number entry is required in all five boxes in this section for total concentrations (not TCLP). If none apply, enter "0", or an alternative would be ND < a number, for example "ND < 0.087". Halogens: looking for total organic halogens per 8260 & 8270 combined. Sulfur and Sulfides: Looking for total sulfur and total sulfides (not reactive sulfides). Chlorinated aliphatic hydrocarbons can be determined by 8260 total analysis (the short TCLP list does not apply). Generator knowledge is acceptable.
Reclamation Facility Coordination Questions	All six of these questions are required to be answered. Three of the questions require additional information if answered "yes".

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