



Sampling Requirements and Acceptance Criteria

Recology Hay Road
6426 Hay Road
Vacaville, CA 95687

Recology Ostrom Road
5900 Ostrom Road
Wheatland, CA 95692

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Sampling Requirements and Acceptance Criteria

Sampling Requirements

| Project Size | Cubic Yards per 4:1 Composite Sample |
|----------------------|--------------------------------------|
| 0 - 2,499 cy | 250 cy |
| 2,500 - 4,999 cy | 375 cy |
| 5,000 - 7,499 cy | 500 cy |
| 7,500 cy - 10,000 cy | 750 cy |
| >10,000 cy | 1000 cy |

Discrete samples are assigned a sampling frequency of 50 cubic yards per sample. The sampling frequency for 4:1 composite samples is found on the table above. Recology reserves the right to require the generator to perform additional analytical testing for any potential hazardous waste pursuant to the guidelines outlined in Chapter 11 of CCR Title 22. Please contact Recology to confirm sampling requirements and required testing. Analytical results must originate from a CELAP certified laboratory.

Soil Analysis Guidelines

| Contaminant | Required Analyses | EPA Methods |
|--|--|--|
| Gasoline, Leaded | TPH – Gasoline BTEX Total Lead | EPA 5030/8015 EPA 8020/8260 TTLC-Lead |
| Gasoline, Unleaded | TPH – Gasoline BTEX | EPA 5030/8015 EPA 8020/8260 |
| Diesel | TPH – Diesel BTEX | EPA 3550/8015 EPA 8020/8260 |
| Jet Fuel (A, A-1, B, JP- 1,4,5,6,8) | TPH - Jet Fuel (A, A-1, B, JP- 1,4,5,6,8) BTEX | EPA 3550 or 5030/8015 EPA 8020/8260 |
| Motor Oil | TPH – Motor Oil BTEX | EPA 3550/8015 EPA 8020/8260 |
| Hydraulic Oil | TPH – Hydraulic Oil BTEX | EPA 3550/8015 EPA 8020/8260 |
| Bunker Oil | TPH – Bunker Oil BTEX | EPA 3550/8015 EPA 8020/8260 |
| Fuel Oil | TPH – Fuel Oil BTEX | EPA 3550/8015 EPA 8020/8260 |
| Kerosene | TPH – Kerosene BTEX | EPA 3550/8015 EPA 8020/8260 |
| Waste Oil | TPH – Waste Oil TPH – Diesel TPH – Gasoline VOC's SVOC's Luft 5 Metals (Cd, Cr, Pb, Ni, Zn) PCB's Dioxins (if PCP's are detected) | EPA 3550/8015 EPA 3550/8015 EPA 5030/8015 EPA 8260 EPA 8270 TTLC – Metals EPA 8080 EPA 8280 |

This document serves as a guideline only. Additional testing may be required.
Please contact Recology to obtain waste stream specific sampling requirements.

Sampling Requirements and Acceptance Criteria

| Metals Acceptance Criteria (CCR Title 22) | | | | | Potentially Toxic Substances (CCR Title 22) | | | |
|---|-----------------|---------------------------------|----------------|----------------|---|----------------|----------------|-----------------|
| METAL | TTLC (mg/kg) | STLC Threshold (10x STLC) | STLC (mg/l) | TCLP (mg/l) | Substance | TCLP (mg/l) | STLC (mg/l) | TTLC (mg/kg) |
| Antimony (Sb) | 500 | 150 | 15 | - | Aldrin | N/A | 0.14 | 1.4 |
| Arsenic (As)* | 500 | 50 | 5 | 5 | Benzene | 0.5 | N/A | N/A |
| Barium (Ba)* | 10,000 | 1,000 | 100 | 100 | Carbon tetrachloride | 0.5 | N/A | N/A |
| Beryllium (Be) | 75 | 7.5 | 0.75 | - | Chlordane | 0.03 | 0.25 | 2.5 |
| Cadmium (Cd)* | 100 | 10 | 1 | 1 | Chlorobenzene | 100 | N/A | N/A |
| Chromium (Cr)* | 2,500 | 50 | 560/5 | 5 | Chloroform | 6.0 | N/A | N/A |
| Cobalt (Co) | 8,000 | 800 | 80 | - | Cresol | 200 | N/A | N/A |
| Copper (Cu) | 2,500 | 250 | 25 | - | DDT, DDE,DDD | N/A | 0.1 | 1 |
| Lead (Pb)* | 1,000 | 50 | 5 | 5 | 2,4-Dichlorophenoxyacetic Acid | 10 | 10 | 100 |
| Mercury (Hg)* | 20 | 2 | 0.2 | 0.2 | 1,4-Dichlorobenzene | 7.5 | N/A | N/A |
| Molybdenum (Mo) | 3,500 | 3,500 | 350 | - | 1,2-Dichloroethane | 0.5 | N/A | N/A |
| Nickel (Ni) | 2,000 | 200 | 20 | - | 1,1-Dichloroethylene | 0.7 | N/A | N/A |
| Selenium (Se)* | 100 | 10 | 1 | 1 | Dieldrin | N/A | 0.8 | 8 |
| Silver (Ag)* | 500 | 50 | 5 | 5 | 2,4-Dinitrotoluene | 0.13 | N/A | N/A |
| Thallium (Tl) | 700 | 70 | 7 | - | Dioxin (2,3,7,8,-TCDD) | N/A | 0.001 | 0.01 |
| Vanadium (Va) | 2,400 | 240 | 24 | - | Endrin | 0.02 | 0.02 | 0.2 |
| Zinc (Zn) | 5,000 | 2,500 | 250 | - | Heptachlor | 0.008 | 0.47 | 4.7 |
| Total concentrations cannot equal or exceed TTLC values. If total concentrations equal or exceed 10x STLC, a WET (Waste Extraction Test) is required. WET results cannot equal or exceed the STLC values. *If total concentrations equal or exceed 20x TCLP, a TCLP is required. TCLP results cannot equal or exceed the TCLP values. | | | | | Hexachlorobenzene | 0.13 | N/A | N/A |
| Total Petroleum Hydrocarbons Acceptance Criteria | | | | | Hexachlorobutadiene | 0.5 | N/A | N/A |
| TPH Range | | | | | Hexachloroethane | 3.0 | N/A | N/A |
| Threshold | | | | | Kepone | N/A | 2.1 | 21 |
| Gasoline | | | | | Lead Compounds, Organic | N/A | N/A | 13 |
| Diesel | | | | | Lindane | 0.4 | 0.4 | 4 |
| Jet Fuel | | | | | Methoxychlor | 10 | 10 | 100 |
| Motor Oil | | | | | Methyl ethyl ketone (MEK) | 200 | N/A | N/A |
| Hydraulic Oil | | | | | Mirex | N/A | 2.1 | 21 |
| Bunker Oil | | | | | Nitrobenzene | 2.0 | N/A | N/A |
| Fuel Oil | | | | | Pentachlorophenol | 100 | 1.7 | 17 |
| TRPH | | | | | PCB's (all Aroclors) | N/A | 5 | 50 |
| Oil & Grease | | | | | Pyridine | 5.0 | N/A | N/A |
| Oil & Grease | | | | | Tetrachloroethylene | 0.7 | N/A | N/A |
| Oil & Grease | | | | | Toxaphene | 0.5 | 0.5 | 5 |
| Oil & Grease | | | | | Trichloroethylene (TCE) | 0.5 | 204 | 2040 |
| Oil & Grease | | | | | 2,4,5-Trichlorophenol | 400 | N/A | N/A |
| Oil & Grease | | | | | 2,4,6-Trichlorophenol | 2.0 | N/A | N/A |
| Oil & Grease | | | | | 2,4,5- Trichlorophenoxypropionic Acid | 1 | 1 | 10 |
| Oil & Grease | | | | | 2,4,5-TP (Silvex) | 1.0 | N/A | N/A |
| Oil & Grease | | | | | Vinyl chloride | 0.2 | N/A | N/A |
| Ignitability and toxicity testing are required if the constituents above exceed the listed threshold. | | | | | Total concentrations cannot equal or exceed TTLC values. If total concentrations equal or exceed 20x TCLP, a TCLP is required. If total concentrations equal or exceed 10x STLC, a STLC is required Soluble concentration from the WET cannot equal or exceed STLC values. TCLP results cannot equal or exceed the TCLP values. | | | |
| RCI & Toxicity Acceptance Criteria (CCR Title 22) | | | | | Special Acceptance Provisions | | | |
| Non-Reactive (Reactivity) | | | | | Soil must be > 50% solids with no free liquids | | | |
| pH > 2.0 or pH < 12.5 (Corrosivity) | | | | | Contact special waste acceptance team for sulfide and cyanide acceptance. | | | |
| Flash Point ≥140°F (60°C) (Ignitability) | | | | | Sludge from a wastewater treatment plant must be >15% solids for secondary treated sludge and >20% solids for primary treated sludge. | | | |
| Acute Aquatic 96-hour (Toxicity) | | | | | | | | |
| LC ₅₀ ≥ 500mg/L | | | | | | | | |