Sampling Requirements and Acceptance Criteria

Recology Hay Road	Recology Ostrom Road
6426 Hay Road	5900 Ostrom Road
Vacaville, CA 95687	Wheatland, CA 95692

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Sampling Requirements

Project Size	Cubic Yards per 4:1 Composite Sample
0 cy - 2,500 cy	1 sample per each 250 cy
2,501 cy – 5,000 cy	10 samples for first 2,500 cy + 1 sample per each additional 500 cy
5,001 cy – 8,000 cy	15 samples for first 5,000 cy + 1 sample per each additional 750 cy
8,001 cy - 10,000 cy	19 samples for first 8,000 cy + 1 sample per each additional 1,000 cy
>10,001 cy	21 samples for first 10,000 cy + 1 sample per each additional 2,500 cy

Discrete samples are assigned a sampling frequency of two times the composite sampling frequency. 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.

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Metals Acceptance Criteria (CCR Title 22)

METAL	TTLC (mg/kg)	STLC Threshold (10x STLC)	STLC (mg/l)	TCLP (mg/l)
Antimony (Sb)	500	150	15	-
Arsenic (As)*	500	50	5	5
Barium (Ba)*	10,000	1,000	100	100
Beryllium (Be)	75	7.5	0.75	-
Cadmium (Cd)*	100	10	1	1
Chromium (Cr)*	2,500	50	560/5	5
Cobalt (Co)	8,000	800	80	-
Copper (Cu)	2,500	250	25	-
Lead (Pb)*	1,000	50	5	5
Mercury (Hg)*	20	2	0.2	0.2
Molybdenum (Mo)	3,500	3,500	350	-
Nickel (Ni)	2,000	200	20	-
Selenium (Se)*	100	10	1	1
Silver (Ag)*	500	50	5	5
Thallium (Tl)	700	70	7	-
Vanadium (Va)	2,400	240	24	-
Zinc (Zn)	5,000	2,500	250	-

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.

Total Petroleum Hydrocarbons Acceptance Criteria

TPH Range	Threshold
Gasoline	8,000 mg/kg
Diesel	8,000 mg/kg
Jet Fuel	8,000 mg/kg
Motor Oil	25,000 mg/kg
Hydraulic Oil	25,000 mg/kg
Bunker Oil	25,000 mg/kg
Fuel Oil	25,000 mg/kg
TRPH	25,000 mg/kg
Oil & Grease	25,000 mg/kg

Ignitability and toxicity testing are required if the constituents above exceed the listed threshold.

RCI & Toxicity Acceptance Criteria (CCR Title 22)

Non-Reactive	(Reactivity)
pH > 2.0 or pH < 12.5	(Corrosivity)
Flash Point ≥140°F (60°C)	(Ignitability)
Acute Aquatic 96-hour LC_{50} ≥ 500mg/L	(Toxicity)

Potentially Toxic Substances (CCR Title 22)

Substance	TCLP (mg/l)	STLC (mg/l)	TTLC (mg/kg)
Aldrin	N/A	0.14	1.4
Benzene	0.5	N/A	N/A
Carbon tetrachloride	0.5	N/A	N/A
Chlordane	0.03	0.25	2.5
Chlorobenzene	100	N/A	N/A
Chloroform	6.0	N/A	N/A
Cresol	200	N/A	N/A
DDT, DDE,DDD	N/A	0.1	1
2,4-Dichlorophenoxyacetic Acid	10	10	100
1,4-Dichlorobenzene	7.5	N/A	N/A
1,2-Dichloroethane	0.5	N/A	N/A
1,1-Dicholorethylene	0.7	N/A	N/A
Dieldrin	N/A	0.8	8
2,4-Dinitrotoluene	0.13	N/A	N/A
Dioxin (2,3,7,8,-TCDD)	N/A	0.001	0.01
Endrin	0.02	0.02	0.2
Heptachlor	0.008	0.47	4.7
Hexachlorobenzene	0.13	N/A	N/A
Hexachlorobutadiene	0.5	N/A	N/A
Hexachloroethane	3.0	N/A	N/A
Kepone	N/A	2.1	21
Lead Compounds, Organic	N/A	N/A	13
Lindane	0.4	0.4	4
Methoxychlor	10	10	100
Methyl ethyl ketone (MEK)	200	N/A	N/A
Mirex	N/A	2.1	21
Nitrobenzene	2.0	N/A	N/A
Pentachlorophenol	100	1.7	17
PCB's (all Aroclors)	N/A	5	50
Pyridine	5.0	N/A	N/A
Tetrachloroethylene	0.7	N/A	N/A
Toxaphene	0.5	0.5	5
Trichloroethylene (TCE)	0.5	204	2040
2,4,5-Trichlorophenol	400	N/A	N/A
2,4,6-Trichlorophenol	2.0	N/A	N/A
2,4,5-Trichlorophenoxypropionic Acid	1	1	10
2,4,5-TP (Silvex)	1.0	N/A	N/A
Vinyl chloride	0.2	N/A	N/A

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.

Special Acceptance Provisions

Soil must be > 50% solids with no free liquids

Contact special waste acceptance team for sulfide and cyanide acceptance.

Sludge from a wastewater treatment plant must be >15% solids for secondary treated sludge and >20% solids for primary treated sludge.