

## Roles, Gary W.

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**From:** William Payton [REDACTED]  
**Sent:** Wednesday, August 27, 2014 4:27 PM  
**To:** Roles, Gary W.  
**Cc:** Ronald Hurst; Christine O'Dea  
**Subject:** Contaminated Soil from Southern California  
**Attachments:** Waste Disposal Application.pdf; Acceptance Criteria.pdf

Hi Gary,

My name is William Payton. I received your inquiry regarding disposal of contaminated soil from southern California. As you are aware, we have two facilities that can accept contaminated soil: Hay Road and Ostrom Road. Please find attached our Special Waste Disposal application and Sampling Requirements and Acceptance Criteria.

For pricing information, please contact Ronald Hurst at [REDACTED] (cc'd above).

Thank you.

**William Payton**  
Environmental Specialist I

**Recology™ Environmental Solutions, Inc.**  
235 N. First Street | Dixon, CA 95620

[REDACTED]  
WASTE ZERO

## Recology (Landfill Division) Waste Disposal Application

Date Submitted: \_\_\_\_\_  Recology Hay Road  Recology Ostrom Road

**A. Party to be Billed:** \_\_\_\_\_ Email Address: \_\_\_\_\_

Address: \_\_\_\_\_

Contact: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

**B. Generator Information:**

Address: \_\_\_\_\_

Site Address (if different): \_\_\_\_\_

County of Origin: \_\_\_\_\_ Site within city limits? Yes  No

Contact: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

**C. Submitting Consultant:**

Address: \_\_\_\_\_

Contact: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

**D. Transporter:**

Address: \_\_\_\_\_

Contact: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

**E. Waste Description/Source:**

Contaminant: Gas:  Diesel:  Waste Oil:  Metals:  Other: \_\_\_\_\_

Project/Job Name: \_\_\_\_\_ Project/Job Number: \_\_\_\_\_

Process Generating Waste/Source: Physical State: Solid: \_\_\_\_\_ Semi-Solid: \_\_\_\_\_ Powder: \_\_\_\_\_ Other: \_\_\_\_\_

Free Liquids: Yes:  No:  Water Content: \_\_\_\_\_ % Quantity: \_\_\_\_\_ Tons: \_\_\_\_\_ Yards: \_\_\_\_\_

Vehicle Type: \_\_\_\_\_ Vehicle Capacity: \_\_\_\_\_ Shipping Frequency: \_\_\_\_\_ per (wk/mo/yr)

**F. Supplemental Information:** Certified Analytical Reports: \_\_\_\_\_ Chain of Custody: \_\_\_\_\_ QA/QC: \_\_\_\_\_ Facility Map: \_\_\_\_\_

**G. Generator Certification:**

1. Does this waste profile sheet and attachments contain true and accurate descriptions of the waste/material? Yes  No
2. Has all relevant information within the possession of the generator regarding known or suspected hazards pertaining to the waste been disclosed to the facility managing the waste? Yes  No
3. Is the analytical attached derived from testing a representative sample in accordance with 40 CFR 261? Yes  No
4. Will all changes that occur in the character or classification of the waste be identified by the Generator and disclosed to the facility managing the waste prior to providing the material/waste to the management facility? Yes  No

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste. I further certify that by utilizing this profile, neither myself nor other employees of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, decommissioned radioactive waste or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

\_\_\_\_\_  
(Signature) \_\_\_\_\_  
(Date)

*Recology reserves the right to request additional information prior to acceptance.  
To be considered for disposal, please complete this application in full.  
Please fax analyses to (707) 678-5148 for review.*

Administrative Offices • 235 North First Street • Dixon, CA 95620 • Phone: (707) 678-5692 • Fax: (707) 678-5148  
Recology Hay Road • 6426 Hay Road • Vacaville, CA 95687 • Phone: (707) 678-4718 • Fax: (707) 678-5695  
Recology Ostrom Road • 5900 Ostrom Road • Wheatland, CA 95692 • Phone: (530) 743-6321 • Fax: (530) 743-8649



# Sampling Requirements and Acceptance Criteria

Recology Hay Road  
6426 Hay Road  
Vacaville, CA 95687

Recology Ostrom Road  
5900 Ostrom Road  
Wheatland, CA 95692

Revised: December 2010

## Sampling Requirements and Acceptance Criteria

### Sampling Requirements

Project Size Yards Per	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. Please contact Recology to confirm sampling requirements and required testing. Analytical results must originate from a CELAP certified laboratory. A Recology waste disposal application and final laboratory results, including QA/QC and Chain-of-Custody, must be submitted prior to approval.

### 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

Please contact Recology to obtain waste stream specific sampling requirements.

## Sampling Requirements and Acceptance Criteria

### Metals Acceptance Criteria (CCR Title 22)

METAL	TTLC (mg/kg)	STLC Threshold (10x STLC)	STLC (mg/l)
Antimony (Sb)	500	150	15
Arsenic (As)	500	50	5
Barium (Ba)	10,000	1,000	100
Beryllium (Be)	75	7.5	0.75
Cadmium (Cd)	100	10	1
Chromium (Cr)	2,500	50	560/5
Cobalt (Co)	8,000	800	80
Copper (Cu)	2,500	250	25
Lead (Pb)	1,000	50	5
Mercury (Hg)	20	2	0.2
Molybdenum (Mo)	3,500	3,500	350
Nickel (Ni)	2,000	200	20
Selenium (Se)	100	10	1
Silver (Ag)	500	50	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 the TTLC values. If total concentrations exceed 10x's the STLC, a WET (Waste Extraction Test) is required. Soluble concentration from the WET cannot equal or exceed the STLC 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

Ignitibility and toxicity testing is 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	(Toxicity)
LC <sub>50</sub> ≥ 500mg/l	

### 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
Chlordane	0.03	0.25	2.5
DDT, DDE,DDD	N/A	0.1	1
2,4-Dichlorophenoxyacetic Acid	10	10	100
Dieldrin	N/A	0.8	8
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
Kepone	N/A	2.1	21
Lead Compounds, Organic	N/A	N/A	13
Lindane	0.4	0.4	4
Methoxychlor	10	10	100
Mirex	N/A	2.1	21
Pentachlorophenol	100	1.7	17
PCB's	N/A	5	50
Toxaphene	0.5	0.5	5
TCE	0.5	204	2040
2,4,5-Trichlorophenoxypropionic Acid	1	1	10

Total concentrations cannot equal or exceed the TTLC values. If total concentrations exceed 20x's the TCLP, a TCLP is required. Soluble concentration from the WET cannot equal or exceed the STLC values. Soluble concentration from the TCLP cannot equal or exceed the TCLP values.

### Special Acceptance Provisions

Soil must be > 50% solids with no free liquids

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