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## LAND DISPOSAL RESTRICTION NOTIFICATION

This notification form shall be completed by the generator and shall accompany each shipment of restricted waste subject to the Land Disposal Restrictions (40 CFR 268 Subpart C).

- ➤ Complete all information in Section I
- ➤ Check mark all appropriate Regulated Constituents in Section II, additional applicable Sections and/or complete Section III.
- > Sign and date Section IV.

CECTION

- 1						
	Manifest Line #	Approval #	Manifest Line #	Approval #	Manifest Line #	Approval #
	9b1		27b2		27b7	
	9b2		27b3		27b8	
	9b3		27b4		27b9	
	9b4		27b5		27b10	
	27b1		27b6			

SECTION	11														
GENERATOR'S	S NAME														
EPA I.D. NUME	BER														
MANIFEST NU	MANIFEST NUMBER														
TREATABILITY	GROUP		WASTEWATER NON-WASTEWATER												
HAZARDOUS [	DEBRIS		YES		NO										
EPA HAZARDO	EPA HAZARDOUS WASTE CODE(S)														
There are	no underlying hazard	lous constituents of c	oncern, or												
There are (see Secti		s constituents of cond	cern which do not me	et the treat	tment stand	dards of 40 CFR 268.	48, Table UTS – Univ	versal Treatment Star	idards						
I have use	d the following to ma	ke the above determi	ination:												
Knowledge	e of the waste produc	ing process, raw mat	erials used and react	ion produc	ts. or										
	analysis for the cons			·	,										
Waste an	alysis data attached?		YES	NO											
NON BODA W	ACTE	LIQUID	20115		/a										

NON-RCRA WASTE	LIQUID	(Check	k all that apply)													
Effective 1/31/96 -			9b1	9b2		9b3		9b4	4							
Pursuant to Section 25179.6 of the aqueous and solid waste containing		other (27b1 - 27b10)														
Land Disposal Restriction Notificat	ion requirements.															

# UNIVERSAL TREATMENT STANDARDS

### **SECTION II**

The Underlying Hazardous Constituents must be identified for waste streams which carry the EPA Waste Codes F001-F005, F039, D001 (only D001 not treated by RORGS; CMBST or POLYM), D005-D043 (only D005-D043 if treated in Non-CWA, Non-CWA equivalent or Non-SDWA facilities). The wastes identified on the aforementioned manifest document number and bearing the EPA Hazardous Waste Number(s) identified in Section I are subject to the Land Disposal Restrictions of 40 CFR 268 Subpart C. The wastes do not meet the applicable treatment standards specified in 40 CFR 268 Subpart D or exceeds the applicable prohibition levels specified in 40 CFR 268.32 (California list wastes) or RCRA Section 3004(d). In compliance with the requirements of 40 CFR 268.7 and 268.9 we are indicating below the applicable constituents of concern.

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40 CFR 268.48 TABL	E UTS –										
Regulated constituent - common name  CAS¹ # Wastewater standard concentration in mg/r unless noted as mg/l TCLP				Regulated constituent - common name	CAS¹#	Wastewater standard concentration in mg/ <sup>2</sup>	Non-wastewater standard concentration in mg/kg³ unless noted as mg/l TCLP	Regulated constituent - common name	CAS <sup>1</sup> #	Wastewater standard concentration in mg/ <sup>2</sup>	Non-wastewater standard concentration in mg/kg³ unless noted as mg/l TCLP
☐ Acenaphthylene	208-96-8	0.059	3.4	m-Dichlorobenzene	541-73-1	0.036	6	p-Nitroaniline	100-01-6	0.028	28
Acenaphthene	83-32-9	0.059	3.4	o-Dichlorobenzene	95-50-1	0.088	6	o-Nitroaniline	88-74-4	0.27	14
Acetone	67-64-1	0.28	160	p-Dichlorobenzene	106-46-7	0.090	6	Nitrobenzene	98-95-3	0.068	14
Acetonitrile	75-05-8	5.6 1.8		Dichlorodifluoromethane	75-71-8	0.23	7.2	5-Nitro-o-toluidine	99-55-8	0.32	28
Acetophenone	96-86-2	0.010 0.059	9.7 140	1,1-Dichloroethane	75-34-3	0.059	6	o-Nitrophenol p-Nitrophenol	88-75-5	0.28	13 29
2-Acetylaminofluorene	53-96-3 107-02-8	0.059	NA NA	1,1-Dichloroethylene	107-06-2 75-34-4	0.025	6	□ p-Nitropnenoi □ N-Nitrosodiethylamine	100-02-7 55-18-5	0.12	29
☐ Acr vlamide	79-06-1	19 23	INA	trans-1,2-Dichloroethylene	156-60-5	0.054	30	□ N-Nitrosodimethylamine	62-75-9	0.40	2.3
☐ Acr ylonitrile	107-13-1	0.24	84	2,4-Dichlorophenol	120-83-2	0.044	14	□ N-Nitroso-di-n-butlyamine	924-16-3	0.40	17
Aldrin	309-00-2	0.021	0.066	2,6-Dichlorophenol	87-65-0	0.044	14	☐ N-Nitrosomethylethylamine	10595-95-6	0.40	2.3
4-Aminobiphenyl	92-67-1	0.13	NA	☐ 1,2-Dichloropropane	78-87-5	0.85	18	☐ N-Nitrosomorpholine	59-89-2	0.40	2.3
Aniline	62-53-3	0.81	14	☐ cls-1,3-Dichloropropylene	10061-01-5	0.036	18	☐ N-Nitrosopiperidine	100-75-4	0.013	35
Anthracene	120-12-7	0.059	3.4	☐ trans-1,3-Dichloropropylene	10061-02-6	0.036	18	N-Nitrosopyrrolidine	930-55-2	0.013	35
Aramite	140-57-8	0.36	NA	Dieldrin	60-57-1	0.017	0.13	Parathion	56-38-2	0.014	4.6
□ alpha-BHC	319-84-6	0.00014	0.066	Diethyl phthalate	84-66-2	0.20	28	Pentachlorobenzene	608-93-5	0.055	10
□ beta-BHC □ delta-BHC	319-85-7 319-86-8	0.00014 0.023	0.066 0.066	p-Dimethylaminoazobenzene	60-11-7 105-67-9	0.13 0.036	NA 14	☐ Pentachlorodibenzo-furans ☐ Pentachlorodibenzo-p-dioxins	NA NA	0.000035 0.000063	0.001
☐gamma-BHC	58-89-9	0.023	0.066	Dimethyl phthalate	131-11-3	0.030	28	Pentachloroethane	76-01-7	0.000003	6
Benz(a)anthracene	56-55-3	0.059	3.4	Di-n-butyl phthalate	84-74-2	0.057	28	Pentachloronitrobenzene	82-68-8	0.055	4.8
☐ Benzal chloride	98-87-3	0.055	6.0	☐ 1,4-Dinitrobenzene	100-25-4	0.32	2.3	Pentachlorophenol	87-86-5	0.089	7.4
Benzene	71-43-2	0.14	10	4,6-Dinitro-o-cresol	534-52-1	0.28	160	Phenacetin	62-44-2	0.081	16
☐ Benzo(a)pyrene	50-32-8	0.061	3.4	2,4-Dinitrophenol	51-28-5	0.12	160	Phenanthrene	85-01-8	0.059	5.6
☐ Benzo(b)fluoranthene	205-99-2	0.11	6.8	☐ 2,4-Dinitrololuene	121-14-2	0.32	140	Phenol	108-95-2	0.039	6.2
☐ Benzo(g,h,i)per ylene	191-24-2	0.0055	1.8	2,6-Dinitrotoluene	606-20-2	0.55	28	☐ Phorate	298-02-2	0.021	4.6
☐ Benzo(k)fluoranthene	207-08-9	0.11	6.8	☐ Di-n-octyl phthalate	117-84-0	0.017	28	☐ Phthalic acid	100-21-0	0.055	28
☐ bis-(2-Chloroethoxy) methane	111-91-1	0.036	7.2	☐ Di-n-propylnitrosamine	621-64-7	0.40	14	☐ Phthalic anhydride	85-44-9	0.055	28
bis-(2-Chloroethyl) ether	111-44-4	0.033	6.0	Diphenylamine	122-39-4	0.92	13	Pronamide	23950-58-5	0.093	1.5
bis-(Chloroisopropyl) ether	108-60-1	0.055	7.2	1,2-Diphenylhydrazine	122-66-7	0.087	NA 10	Propanenitrile (Ethyl cyanide)	107-12-0	0.24	360
☐ bis-(Ethylhexyl) phthalate ☐ Bromodichloromethane	117-81-7	0.28	28 15	Diphenylnitrosamine	86-30-6	0.92	13	☐ Pyrene ☐ Pyridine	129-00-0	0.067	8.2 16
☐ Bromodichioromethane	75-27-4	0.35	15	□ 1,4-Dioxane □ p-Dimethylaminoazobenzene	123-91-1 60-11-7	NA 170 0.13	NA	Safrole	110-86-1 94-59-7	0.014 0.081	22
bromide)	74-83-9	0.11	15	Disulfoton	298-04-4	0.13	6.2	Silvex (2,4,5-TP)	93-72-1	0.081	7.9
4-Bromophenyl phenyl ether	101-55-3	0.055	15	□ Endosulfan I	939-98-8	0.023	0.066	□2,4,5-T	93-76-5	0.72	7.9
☐ b-Butyl alcohol	71-36-3	5.6 2.6		□ Endosulfan II	33213-6-5	0.029	0.13	1,2,4,5-T etrachlorobenzene	95-94-3	0.055	14
☐ Butyl benzyl phthalate	85-68-7	0.017	28	☐ Endosulfan sulfate	1-31-07-8	0.029	0.13	☐ Tetrachlorodibenzo-furans	NA	0.000063	0.001
☐ 2-sec-Butyl-4,6-dinitrophenol dinoseb	88-85-7	0.066	2.5	Endrin	72-20-8	0.0028	0.13	Tetrachlorodibenzo-p-dioxins	NA	0.000063	0.001
☐ Carbon disulfide	75-15-0	3.8 4.8 TCL		☐ Endrin aldehyde	7421-93-4	0.025	0.13	☐1,1,1,2-T etrachloroethane	630-20-6	0.057	6.0
☐ Carbon tetrachloride	56-23-5	0.057	6.0	☐ Ethyl acetate	141-78-6	0.34	33	☐1,1,2,2-T etrachloroethane	79-34-6	0.057	6.0
☐ Chlordane (alpha & gamma				Ethylbenzene	100-41-4	0.057	10	Tetrachloroethylene	127-18-4	0.056	6.0
isomers)	57-74-9	0.0033	0.26	☐ Ethyl ether	60-29-7	0.12	160	2,3,4,6-T etrachlorophenol	58-90-2	0.030	7.4
□ p-Chloroaniline □ Chlorobenzene	106-47-8	0.46	16	Ethyl methacr ylate	97-63-2	0.14	160	Toluene	108-88-3	0.080	10
□ Chlorobenzilate	108-90-7 510-15-6	0.057 0.10	6.0 NA	☐ Ethylene oxide ☐ Famphur	75-21-8 52-85-7	0.12 0.017	NA 15	☐ Toxaphene ☐ Tribromomethane (bromoform)	8001-35-2 75-25-2	0.0095 0.63	2.6 15
2-Chloro-1,3-butadiene	126-99-8	0.057	0.28	Fluoranthene	206-44-0	0.017	3.4	1,2,4-T richlorobenzene	120-82-1	0.055	19
☐ Chlorodibromomethane	124-48-1	0.057	15	Fluorene	86-73-7	0.059	3.4	1,1,1-T richloroethane	71-55-6	0.054	6.0
Chloroethane	75-00-3	0.27	6.0	Heptachlor	76-44-8	0.0012	0.066	1,1,2-T richloroethane	79-00-5	0.054	6.0
Chloroform	67-66-3	0.046	6.0	Heptachlor epoxide	1024-57-3	0.016	0.066	Trichloroethylene	79-01-6	0.054	6.0
p-Chloro-m-cresol	59-50-7	0.018	14	Hexachlorobenzene	118-74-1	0.055	10	Trichloromonofluoromethane	75-69-4	0.020	30
2-Chloroethyl vinyl ether	110-75-8	0.062	NA	Hexachlorobutadiene	87-68-3	0.055	5.6	☐2,4,5-T richlorophenol	95-95-4	0.18	7.4
Chloromethane (methyl	7/1 07 9	0.19	30	☐ Hexachlorodibenzo-furans	NA	0.000063	0.001	2,4,6-T richlorophenol	88-06-2	0.035	7.4
chloride)  2-Chloronaphthalene	74-87-3 91-8-7	0.19	5.6	Hexachlorodibenzo-p-dioxins	NA	0.000063	0.001	1,2,3-T richloropropane	96-18-4	0.85	30
2-Chlorophenol	95-57-8	0.033	5.7	Hexachlorocyclopentadiene	77-47-4	0.057	2.4	1,1,2-T richloro-1,2,2- trifluoroethane	76-13-1	0.057	30
☐3-Chloropropylene	107-05-1	0.036	30	Hexachloroethane	67-72-1	0.055	30	☐ Vinyl chloride	75-01-4	0.037	6.0
☐ Chr ysene	218-01-9	0.059	3.4	☐ Hexachloropropylene ☐ Indena (1,2,3-c,d)pyrene	1888-71-7	0.035	30 3.4	☐ Xylenes (total)	1330-20-7	0.32	30
□ p-Cresol	106-44-5	0.77	5.6	☐ Indena (1,2,3-c,d)pyrene ☐ Iodomethane	193-39-5 74-88-4	0.0055 0.19	3.4 65	☐ Total PCBs	1336-36-3	0.1	10
☐ m-Cresol	108-39-4	0.77	5.6	☐ Isobutyl alcohol	78-83-1	5.6 170	00	Antimony	7440-36-0	1.9	0.07 TCLP
☐ o-Cresol	95-48-7	0.11	5.6	Isodrin	465-73-6	0.021	0.066	Arsenic	7440-38-2	1.4	5.0 TCLP
Cyclohexanone	108-94-1	0.36	0.75 TC LP	☐ Isosafrole	120-58-1	0.081	2.6	Barium	7440-39-3	1.2	21 TCLP
☐ 2-4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	0.72	10	☐ Kepone	143-50-8	0.0011	0.13	☐ Ber yllium	7440-41-7	0.82	0.02 TCLP
0,p'-DDD	53-19-0	0.023	0.087	☐ Methacr ylonitrile	126-98-7	0.24	84	Cadmium	7440-43-9	0.69	0.2 TCLP
□p,p'-DDD	72-54-8	0.023	0.087	Methanol	67-56-1	5.6 0.75 TC	LP	Chromium (total)	7440-47-3	2.77	0.85 TCLP
□o,p'-DDE	3424-82-6	0.031	0.087	Methapyrilene	91-80-5	0.081	1.5	Cyanide (total)	57-12-5 57-12-5	1.2 0.86	590 <sup>4</sup>
□p,p'-DDE	72-55-9	0.031	0.087	Methoxychlor	72-43-5	0.25	0.18	☐ Cyanide (amenable) ☐ Fluoride	57-12-5 16964-48-8	35	NA
□o,p'-DDT	789-02-6	0.0039	0.087	3-Methylchloanthrene	56-49-5	0.0055	15	Lead	7439-92-1	0.69	0.75 TCLP
□p,p'-DDT	50-29-3	0.0039	0.087	4,4-Methylene-bis- (2-chloroaniline)	101-14-4	0.50	30	☐ Mer cury – NWW from Retort	7439-97-6	0.15	0.70 TCLP
Dibenzo(a,e)pyrene	192-65-4	0.061	NA	Methylene chloride	75-09-2	0.089	30	Mer cury – all others	7439-97-6	0.15	0.025 TCLP
Dibenzo(a,h)anthracene	53-70-3	0.055	8.2	☐ Methyl ethyl ketone	78-93-3	0.28	36	Nickel	7440-02-0	3.98	13.6 TCLP
☐ tris-(2,3-Dibromopropyl)	126-72-7	0.11	0.10	☐ Methyl isobutyl ketone	108-10-1	0.14	33	☐ Selenium <sup>5</sup>	7782-49-2	0.82	5.7 TCLP
				☐ Methyl methacr ylate	80-62-6	0.14	160	Silver	7440-22-4	0.43	0.11 TCLP
phosphate	96-12-8	0.11	15	- Ivietilyi illetilati yiate	00 02 0						
phosphate  1,2-Dibromo-3-Chloropropane  1,2-Dibromoethane (ethylene	96-12-8			☐ Methyl methansulfonate	66-27-3	0.018	NA	Sulfide	8496-25-8	14.0	NA
phosphate  1,2-Dibromo-3-Chloropropane  1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.028	15	☐ Methyl methansulfonate ☐ Methyl Parathion		0.018 0.014	NA 4.6	☐Thallium	8496-25-8 7440-28-0	14.0 1.4	NA 0.20 TCLP
phosphate  1,2-Dibromo-3-Chloropropane  1,2-Dibromoethane (ethylene				☐ Methyl methansulfonate	66-27-3						

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#### 40 CFR 268.48 TABLE UTS - UNIVERSAL TREATMENT STANDARDS (Continued)

- <sup>1</sup>CAS means Chemical Abstract Services. When the waste code and/or regulated constituents are described as a combination of a chemical with its salts and/or esters, the CAS number is given for the parent compound only.
- <sup>2</sup> Concentration standards for wastewaters are expressed in mg/l are based on analysis of composite samples.
- <sup>3</sup> Except for Cyanides (Total and Amenable) the non-wastewater treatment standards expressed as a concentration were established, in part, based upon incineration in units operated in accordance with the technical requirements of 40 CFR part 264, subpart 0 or 40 CFR part 265, subpart 0, or based upon combustion in fuel substitution units operating in accordance with applicable technical requirements. A facility may comply with these treatments standards according to provisions in 40 CFR 268.40(d). All concentration standards for nonwastewaters are based on analysis of grab samples.
- Both Cyanides (Total) and Cyanides (Amenable) for non-wastewaters are to be analyzed using Method 9010 or 9012, found in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA Publication SW-846, as incorporated by reference in 40 CFR 260.11, with a sample size of 10 grams and a distillation time of one hour and 15 minutes
- <sup>5</sup>These constituents are not "underlying hazardous constituents" in characteristic wastes, according to the definition at §268.2 (i).
- Between August 26, 1996, and August 26, 1997, these constituents are not "underlying hazardous constituents" as defined at §268.2 (i) of this Part.

Note: NA means not applicable.

#### PLEASE COMPLETE AS APPLICABLE:

Wastes with organic constituents having treatment standards expressed as concentration levels based in whole or in part on the analytical detection limit alternative specified in §268.40(d).

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the non-wastewater organic constituents have been treated by combustion units as specified in 268.42. Table 1. I have been unable to detect the non-wastewater organic constituents, despite having used best good-faith efforts to analyze for such constituents. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

Wastes with treatment standards expressed as concentrations in the waste extract Toxicity Characteristic Leaching Procedure (TCLP).

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards specified in 40 CFR 268.40 without impermissible dilution of the prohibited waste. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

Antimative ineatment chanten a cast ack														
Manifest Line No.														
been excluded under Ap	pendix IV t lab packs a	to 40 CFR P at 40 CFR 2	art 268 and	that this lab	pack will be	the waste and that the lab pack contains only wastes that have not e sent to a combustion facility in compliance with the alternative significant penalties for submitting a false certification, including								

I hereby certify under penalty of law that there are no PCBs (polychlorinated biphenyls) contained in the oil waste being manifested to Pacific Resource Recovery. I also understand that a sample of the load will be retained and that the generator will be responsible for the clean-up of contaminated equipment, tanks, etc. if PCBs are present in the waste.

#### Benzene NESHAP Control Requirement:

Manifest Line No.

Alternative Treatment Standard Lah Dack

For Chemical Manufacturers, Petroleum Refineries, Coke By-Product Facilities and RCRA TSDFs handling wastes subject to 40 CFR 61 subpart FF ONLY:

This waste is a "Controlled Benzene Waste" which is subject to the notification requirements of 40 CFR 61 Subpart FF.

Califo	rnia	List	Was	tes:

Liquid hazardous wastes having a pH less than or equal to 2.0

Liquid hazardous wastes containing PCBs at a concentration greater than or equal to 50 ppm

Liquid hazardous wastes that contain HOCs in total concentration greater than or equal to 1000 mg/l  $\,$ 

Nonliquid hazardous wastes containing HOCs in total concentration greater than or equal to 1000 mg/kg

Free (amenable to chlorination) cyanides greater than or equal to 1000 mg/l

One or more of the following metals greater than or equal to the following:

Arsenic and/or compounds: 500 mg/l Cadmium and/or compounds: 100 mg/l Chromium and/or compounds: 500 mg/l Lead and/or compounds: 500 mg/l Mercury and/or compounds: 20 mg/l Nickel and/or compounds: 134 mg/l Selenium and/or compounds: 100 mg/l Thallium and/or compounds: 130 mg/l



# ADDITIONAL RESTRICTED WASTE IDENTIFICATION

# TREATMENT STANDARDS AND CERTIFICATION FORM

### **SECTION III**

Complete Section III if the restricted wastes (i.e., EPA Hazardous Waste Code) as listed in Section I do not meet the applicable treatment standards in 40 CFR 268.40 (Treatment Standards for Hazardous Wastes) and have not been identified as required in Section II.

EPA HAZARDOUS WASTE CODE	SUBCATEGORY (IF APPLICABLE)	APPROPRIATE TREATMENT STANDARD	ALTERNATIVE TREATMENT TECHNOLOGY (DEBRIS)

	CT	10	V	V
-		ш		W

I hereby	certify (	that a	ll inforn	nation	submi	tted	in th	iis and	l al	l associated	d d	locumen	is is	comple	ete a	nd	accurat	e to	the	best	of n	ny k	nowledg	ge an	d informa	ation.
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COMPANY NAME

AUTHORIZED SIGNATURE

PRINTED NAME

DATE