

(F) THIS RESTRICTED DEBRIS HAS BEEN TREATED IN ACCORDANCE WITH 40 CFR 268.45. I certify under penalty of law that the debris has been treated in accordance with the requirements of 40 CFR 268.45. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

(G) THIS LAB PACK DOES NOT CONTAIN ANY WASTES IDENTIFIED AT APPENDIX IV TO PART 268. I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes that have not been excluded under Appendix IV to 40 CFR part 268 and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR 267.42(c). I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

(H) THIS RESTRICTED WASTE HAS BEEN TREATED TO REMOVE THE HAZARDOUS CHARACTERISTIC. I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

(I) THIS RESTRICTED WASTE HAS BEEN TREATED TO REMOVE THE HAZARDOUS CHARACTERISTIC AND HAS BEEN TREATED FOR UNDERLYING HAZARDOUS CONSTITUENTS. I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous constituents, as defined in 268.48 Universal Treatment Standards. I am aware there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

(J) THIS RESTRICTED WASTE IS SUBJECT TO AN EXEMPTION FROM LAND DISPOSAL. This waste is subject to an exemption from a prohibition on the type of land disposal method utilized for the waste (such as, but not limited to, a case-by-case extension under 40 CFR Part 268.5, an exemption under 40 CFR 268.6, or a nationwide capacity variance under 40 CFR 269 Subpart C).

(K) THIS RESTRICTED WASTE WITH TREATMENT STANDARDS EXPRESSED AS CONCENTRATIONS IN THE WASTE PURSUANT TO 268.43, IF COMPLIANCE WITH THE TREATMENT STANDARDS IN SUBPART D OF THIS PART IS BASED IN PART OR IN WHOLE ON THE ANALYTICAL DETECTION LIMIT ALTERNATIVE IN 268.439(c). 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 and that, based on my inquiry of those individuals immediately responsible for obtaining information, I believe that the nonwastewater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart O, or 40 CFR Part 265 Subpart O, or by combustion in fuel substitution units operating in accordance with the applicable technical requirements, and I have been unable to detect that nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

(L) THIS DECHARACTERIZED WASTE CONTAINS UNDERLYING HAZARDOUS CONSTITUENTS THAT REQUIRE FURTHER TREATMENT TO MEET UNIVERSAL TREATMENT STANDARDS. I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristics. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

(M) THIS WASTE HAS BEEN TREATED IN ACCORDANCE WITH THE REQUIREMENTS OF 40 CFR 268.40 TO REMOVE THE HAZARDOUS CHARACTERISTICS AND THE UNDERLYING HAZARDOUS CONSTITUENTS. AS DEFINED IN 268.2(I) HAVE BEEN TREATED ON-SITE TO MEET THE 268.48 UNIVERSAL TREATMENT STANDARDS. I certify under penalty of law that the above is true. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

(N) THIS CONTAMINATED SOIL DOES DOES NOT CONTAIN LISTED HAZARDOUS WASTE AND DOES DOES NOT EXHIBIT A CHARACTERISTIC OF HAZARDOUS WASTE AND IS SUBJECT TO COMPLIES WITH THE SOIL TREATMENT STANDARDS AS PROVIDED BY 268.49(c) OR THE UNIVERSAL TREATMENT STANDARDS. 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 and believe that it has been maintained and operated properly so as to comply with the treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

I hereby certify under penalty of law that all information submitted on this and all associated documents is complete, accurate and true to the best of my knowledge.

Generator Signature: _____ Title: _____

Printed Name: _____ Date: _____

Please use one Land Disposal Restriction & Certification form per manifest

Table 1 - Underlying Hazardous Constituents (w/ AES Z-Codes)

Z001 A2213	Z070 1,2-DIBROMO-3-CHLOROPROPANE	Z137 HEXACHLORO-BUTADIENE	Z201 PHYSOSTIGMINE SALICYLATE
Z002 ACENAPHTHYLENE	Z071 ETHYLENE DIBROMIDE (1,2-DIBROMOETHANE)	Z138 HEXACHLORO-CYCLOPENTADIENE	Z202 PROMECARB
Z003 ACENAPHTHENE	Z072 DIBROMOMETHANE	Z139 HxCDDs(ALL HEXACHLORO-DIBENZO-O-DIOXINS)	Z203 PRONAMIDE
Z004 ACETONE	Z073 2,4-D(2,4-DICHLOROPHENOXY-ACETIC ACID)	Z140 HxCDFx (ALL HEXACHLORO-DIBENZO-FURANS)	Z204 PROPHAM
Z005 ACETONITRILE	Z074 O,P'-DDD	Z141 HEXACHLOROETHANE	Z205 PROPOXUR
Z006 ACETOPHENONE	Z075 P,P'-DDD	Z142 HEXACHLOROPROPYLENE	Z206 PROSULFOCARB
Z007 2-ACETYLAMINOFLUORENE	Z076 O,P'-DDE	Z143 IODOMETHANE	Z207 PYRENE
Z008 ACROLEIN	Z077 P,P'-DDE	Z144 ISOBUTYL ALCOHOL	Z208 PYRIDINE
Z009 ACRYLAMIDE	Z078 O,P'-DDT	Z145 ISODRIN	Z209 SAFROLE
Z010 ACRYLONITRILE	Z079 P,P'-DDT	Z146 ISOLAN	Z210 SILVEX(2,4,6-TP)
Z011 ALDICARB SULFONE	Z080 DIBENA(A,H)ANTHRACENE	Z147 ISOSAFROLE	Z211 2,4,5-T (2,4,5-TRICHLOROPHENOXY-ACETIC ACID)
Z012 ALDRIN	Z081 DIBENZ(A,E)PYRENE	Z148 ISOSAFROLE	Z212 1,2,4,5-TETRACHLORO-BENZENE
Z013 4-AMINOBIPHENYL	Z082 M-DICHLOROBENZENE	Z149 KEPONE	Z213 TCDDs(ALL TETRACHLORO-DIBENZO-P-DIOXINS)
Z014 ANILINE	Z083 0-DICHLOROBENZENE	Z150 METHACRYLONITRILE	Z214 TCDFs (ALL TETRACHLORO-DIBENZO-FURANS)
Z015 ANTHRACENE	Z084 P-DICHLOROBENZENE	Z151 METHANOL	Z215 1,1,1,2-TETRACHLORO-ETHANE
Z016 ARAMITE	Z085 DICHLORODIFLUORO-METHANE	Z152 METHAPYRILENE	Z216 1,1,2,2-TETRACHLORO-ETHANE
Z017 ALPHA-BHC	Z086 1,1-DICHLOROETHANE	Z153 METHIACARB	Z217 TETRACHLOROETHYLENE
Z018 BETA-BHC	Z087 1,2-DICHLOROETHANE	Z154 METHOMYL	Z218 2,3,4,6-TETRACHLORO-PHENOL
Z019 DELTA-BHC	Z088 1,1-DICHLOROETHANE	Z155 METHOXYCHLOR	Z219 THIODICARB
Z020 GAMMA-BHC	Z089 TRANS-1,2-DICHLORO-ETHYLENE	Z156 3-METHYLCHOLANTHRENE	Z220 THIOPHANATE-METHYL
Z021 BARBAN	Z090 2,4-DICHLOROPHENOL	Z157 4,4-METHYLENE BIS (2-CHLOROANILINE)	Z221 TIRPATE
Z022 BENDIOCARB	Z091 2,6-DICHLOROPHENOL	Z158 INDENO(1,2,3-C,D)PYRENE	Z222 TOLUENE
Z023 BENDIOCARB PHENOL	Z092 1,2-DICHLOROPROPANE	Z159 METHYLENE CHLORIDE	Z223 TOXAPHENE
Z024 BENOMYL	Z093 CIS-1,3-DICHLORO-PROPYLENE	Z160 METHYL ETHYL KETONE	Z225 BROMOFORM (TRIBROMOMETHANE)
Z025 BENZENE	Z094 TRANS-1,3-DICHLORO-PROPYLENE	Z161 METHYL ISOBUTYL KETONE	Z226 1,2,4-TRICHLORO BENZENE
Z026 BENZ(A)ANTHRACENE	Z095 DIELDRIN	Z162 METHYL METHACRYLATE	Z227 1,1,1-TRICHLORO-ETHANE
Z027 BENZAL CHLORIDE	Z096 DIETHYLENE GLYCOL, DICARBAMATE	Z163 METHYL METHANSULFONATE	Z228 1,1,2-TRICHLORO-ETHANE
Z028 BENZO(B)FLORANTHENE	Z097 DIETHYL PHTHALATE	Z164 METHYL PARATHION	Z229 TRICHLOROETHYLENE
Z029 BENZO(K)FLUORANTHENE	Z098 2,4-DIMETHYL PHENOL	Z165 METOLCARB	Z230 TRICHLOROMONO-FLUOROMETHANE
Z030 BENZO(G,H,I)PERYLENE	Z099 DIMETHYL PHTHALATE	Z166 MEXACARBATE	Z231 2,4,5-TRICHLOROPHENOL
Z031 BENZO(A)PYRENE	Z100 DIMETILAN	Z167 MOLINATE	Z232 2,4,6-TRICHLOROPHENOL
Z032 BROMODICHLOROMETHANE	Z101 DI-N-BUTYL PHTHALATE	Z168 NAPHTHALENE	Z233 1,2,3-TRICHLOROPROPANE
Z033 METHYL BROMIDE (BROMOMETHANE)	Z102 1,4-DINITROBENZENE	Z169 2-NAPHTHYLAMINE	Z234 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE
Z034 4-BROMOPHENYL PHENYL ETHER	Z103 4,6-DINITRO-O-CRESOL	Z170 0-NITROANILINE	Z235 TRIETHYLAMINE
Z035 N-BUTYL ALCOHOL	Z104 2,4-DINITROPHENOL	Z171 P-NITROANILINE	Z236 TRIS-(2,3-DEBROMOPROPYL) PHOSPHATE
Z036 BUTYLATE	Z105 2,4-DINITROTOLUENE	Z172 NITROBENZENE	Z237 VERNOLAGE
Z037 BUTYL BENZYL PHTHALATE	Z106 2,6-DINITROTOLUENE	Z173 5-NITRO-0-TOLUIDINE	Z238 VINYL CHLORIDE
Z038 2-SEC-BUTYL-4,6-DINITROPHENOL (DINOSEB)	Z107 DI-N-OCTYL PHTHALATE	Z174 0-NITROPHENOL	Z239 XYLENES-MIXED ISOMERS (SJM OF O-M- AND P-XYLENE CONCENTRATIONS)
Z039 CARBARYL	Z108 P. DIMETHYLAMINOAZO-BENZENE	Z175 P-NITROPHENOL	Z240 ANTIMONY
Z040 CARBENZADIM	Z109 DI-N-PROPYLNITROSAMINE	Z176 N-NITROSODIETHYLAMINE	Z241 ARSENIC
Z041 CARBOFURAN	Z110 1,4-DIOXANE	Z177 N-NITROSODIMETHYLAMINE	Z242 BARIUM
Z042 CARBOFURAN PHENOL	Z111 DIPHENYLAMINE	Z178 N-NITROSO-DI-N-BUTYLAMINE	Z243 BERYLLIUM
Z043 CARBON DISULFIDE	Z112 DIPHENYLNITROSAMINE	Z179 N-NITROSOMETHYL-AMINE	Z244 CADMIUM
Z044 CARBON TETRACHLORIDE	Z113 1,2-DIPHENYLHYDRAZINE	Z180 N-NITROSOMORPHOLINE	Z245 CHROMIUM (TOTAL)
Z045 CARBONSULFAN	Z114 DISULFOTON	Z181 N-NITROSOPIPERIDINE	Z246 CYANIDES (TOTAL)
Z046 CHLORDANE (ALPHA AND GAMA ISOMERS)	Z115 DITHIOCARBAMATES (TOTAL)	Z182 N-NITROSOPYRROLIDINE	Z247 CYANIDES (AMENABLE)
Z047 P-CHLOROANILINE	Z116 ENDOSULFAN 1	Z183 OXAMYL	Z248 FLOURIDE
Z048 CHLOROBENZENE	Z117 ENDOSULFAN 11	Z184 PARATHION	Z249 LEAD
Z049 CHLOROBENZILATE	Z118 ENDOSULFAN SULFATE	Z185 TOTAL PCS'S (SUM OF ALL ISOMERS OR ALL AROCLORS)	Z250 MERCURY-NONWASTE-WATERS FROM RETORT
Z050 2-CHLORO-1,3-BUTADIENE	Z119 ENDRIN	Z186 PEBULATE	Z251 MERCURY (ALL OTHERS)
Z051 CHLORODIBROMOMETHANE	Z120 ENDRIN ALDEHYDE	Z187 PENTACHLOROBENZENE	Z252 NICKEL
Z052 CHLOROETHANE	Z121 EPTC	Z188 PeCDDs (ALL PENTACHLORO-DIBENZO-P-DIOXINS)	Z253 SELENIUM (NOT UHC-TC=UHC)
Z053 BIS(2-CHLOROETHOXY) METHANE	Z122 ETHYL ACETATE	Z189 PeCDFs (ALL PENTACHLORO-DIBENZO-FURANS)	Z254 SILVER
Z054 BIS(2-CHLOROETHYL) ETHER	Z123 ETHYL CYANIDE-(PROPANENITRILE)	Z190 PENTACHLOROETHANE	Z255 SULFIDE*
Z055 CHLOROFORM	Z124 ETHYLBENZENE	Z191 PENTACHLORO-NITROBENZENE	Z256 THALLIUM
Z056 BIS (2-CHLOROISO-PROPYL) ETHER	Z125 ETHYL ETHER	Z192 PENTACHLOROPHENOL	Z257 VANADIUM*
Z057 P-CHLORO-M-CRESOL	Z126 (BIS(2-ETHYL HEXYL) PHTHALATE	Z193 PHENACETIN	Z258 ZINC*
Z058 2-CHLOROMETHYL VINYL ETHER	Z127 ETHYL METHACRYLANE	Z194 PHENANTHRENE	
Z059 CHLOROMETHANE	Z128 ETHYLENE OXIDE	Z195 PHENOL	
Z060 2-CHLORONAPHTHANENE	Z129 FAMHUR	Z196 O-PHENYLENE-DIAMINE	
Z061 2-CHLOROPHENOL	Z130 FLUORANTHENE	Z197 PHORATE	
Z062 3-CHLOROPROPYLENE	Z131 FLOURENE	Z198 PHTHALIC ACID (CAS 100-21-0)	
Z063 CHRYSENE	Z132 FORMETANATE HYDROCHLORIDE	Z199 PHTHALIC ANHYDRIDE (CAS 85-44-9)	
Z064 0-CRESOL	Z133 FORMPARANATE	Z200 PHYSOSTIGMINE	
Z065 M-CRESOL	Z134 HEPTACHLOR		
Z066 P-CRESOL	Z135 HEPTACHLOR EPOXIDE		
Z067 M-CUMENYL METHYL CARBAMATE	Z136 HEXACHLOROBENZENE		
Z069 CYCLOHEXANONE			

TABLE 2 - WASTE CODES WITH SUBCATEGORIES

Waste Codes	Subcategory Number	Subcategory
D001	1	High TOC ignitable liquids
D001	2	Low TOC ignitable liquids managed in CWA/CWA equivalent/Class 1 SDWA systems
D001	3	Low TOC ignitable liquids managed in non-CWA/non-CWA equivalent/non Class 1 SDWA systems
D002	4	Corrosive waste managed in CWA/CWA equivalent/Class 1 SDWA systems
D002	5	Corrosive waste managed in non-CWA/non-CWA equivalent/non-Class 1 SDWA systems
D003	6	Water reactive
D003	7	Reactive cyanides
D003	8	Reactive sulfides
D003	9	Other reactive wastes
D006	10	Characteristic for cadmium based on extraction procedure
D006	11	Cadmium-containing batteries
D008	12	Characteristic for lead based on extraction procedure
D008	13	Lead acid batteries
D009	14	Low mercury (<260 ppm total mercury)
D009	15	High mercury (>260 ppm total mercury)
F003	16	Wastes that contain only one or more of the following solvents: carbon disulfide, cyclohexanone and/or methanol
F005	17	Contains only 2-nitropropane
F005	18	Contains only 2-Ethoxyethanol
F025	19	Light ends
F025	20	Spent filters/aids and desiccants
K006	21	Anhydrous
K006	22	Hydrated
U151	23	Nonwastewaters that contain >260 ppm total mercury
U151	24	All U151 wastewaters
K071	25	Nonwastewaters that are residues from RMERC
K071	26	Nonwastewaters that are not residues from RMERC
K071	27	All K071 wastewaters
P047	28	4,6-Dinitro-o-cresol
P047	29	4,6-Dinitro-o-cresol salts
P065	30	Nonwastewaters, not incinerator or RMERC residues
P065	31	Nonwastewaters from RMERC with less than 260 ppm mercury
P065	32	Nonwastewaters from incinerator residues with less than 260 ppm mercury
P065	33	All P065 wastewaters
P092	34	Nonwastewaters, not incinerator or RMERC residues
P092	35	Nonwastewaters from RMERC with less than 260 ppm mercury
P092	36	Nonwastewaters from incinerator residues with less than 260 ppm mercury
P092	37	All P092 wastewaters
U240	38	2,4-D (2,4-Dichlorophenoxyacetic acid)
U240	39	2,4-D (2,4-Dichlorophenoxyacetic acid) salts and esters

TABLE 3 - CALIFORNIA LIST WASTES

- | | |
|--|-----------------------------|
| 1) PCB > or = 50 ppm | 3) Nickel > or = 134 mg/l |
| 2) Halogenated Organic Carbon (HOC's) > or = 1000 mg/l | 4) Thallium > or = 130 mg/l |

TABLE 4 - REGULATED CONSTITUENTS FOR F001 - F005

- | | | |
|---------------------------------|-----------------------------------|---|
| 5) Acetone | 15) Ethyl Acetate | 24) Pyridine |
| 6) Benzene | 16) Ethyl Benzene | 25) Tetrachloroethylene |
| 7) N-Butyl Alcohol | 17) Ethyl Ether | 26) Toluene |
| 8) Carbon Disulfide | 18) Isobutanol (isobutyl alcohol) | 27) 1,1,1 Trichloroethane |
| 9) Carbon Tetrachloride | 19) Methanol | 28) 1,1,2 Trichloroethane |
| 10) Chlorobenzene | 20) Methylene Chloride | 29) 1,1,2 Trichloro 1,2,2 Trifluoroethane |
| 11) Cresols (o, m or p isomers) | 21) Methyl Ethyl Ketone | 30) Trichloroethylene |
| 12) Cresylic Acid | 22) Methyl Isobutyl Ketone | 31) Trichlorofluoroethane |
| 13) Cyclohexanone | 23) Nitrobenzene | 32) Xylene (Total) |
| 14) 1,2-Dichlorobenzene | | |

Land Disposal Restriction Form
2005 Revision
Instructions for Completion

- 1) Enter the number of pages used, not including the Table 1 through Table 4 Attachments. This will need to be entered on each page.
- 2) Enter the name of the generator, as it appears on the manifest, on each page of the land ban.
- 3) Enter the generator's EPA ID number on page 1.
- 4) Enter the generator's address, as it appears on the manifest, on page 1.
- 5) Enter the manifest document number on each page. Note that federal regulations require that this be a **5-digit** alpha-numeric on hazardous waste manifests.
- 6) Enter the state manifest document, if any, on page 1.
- 7) Check the appropriate box on page 1 indicating whether waste analysis has been performed.
- 8) Indicate the manifest line for each line of hazardous waste on the manifest; i.e., 11a, 28d(2), 28c(5), etc.
- 9) Indicate the profile number for each line. Waste should not be shipped until the profile is approved, recertified as needed, and any addenda submitted have been approved by the profile committee.
- 10) Indicate the appropriate RCRA waste codes for each line item or "none" for non-hazardous waste.
- 11) Indicate any subcategory codes from Table 2 which apply to these waste codes. If none apply, put N/A in this box.
- 12) Indicate whether the material is a wastewater (ww) or non-wastewater (nww). A wastewater is any material which contains < 1% by weight total organic carbon and < 1% by weight total suspended solids [40 CFR 268.2(f)].
- 13) Indicate whether the waste contains any of the California list materials from Table 3. Note that neither Morgantown nor Calvert City is permitted to accept PCB waste greater than 50 ppm. If the material is manifested to either AES facility, there should **never** be a 1 listed in this column.
- 14) Indicate regulated solvents and underlying hazardous constituents for each line item from Tables 4 and 1 respectively.
 - For each F001 through F005 code you must indicate at least one solvent from Table 4 which matches that waste code. Note that the F001 and F002 solvents are the same. F001 should apply only when those solvents have been used in degreasing operations. Any other use for the solvents should result in the use of F002.
 - If there are no D001-D043 codes on the line item, do not list any UCHs. If the material has a D001 code and is not an oxidizer, do not list any UHCs. If the material has a D001(ox)-D043, list any Z code from Table 1 which applies. Note that any material for which there is already a waste code attached is not a UHC. For example, if the material has a D008 code for lead, you do not need to list Z249 in this box.
- 15) Place an "A" in the certification box for all wastes bearing EPA codes. Place an "N/A" in this box for all wastes which do not have an EPA waste code. Other certification may apply in special circumstances. Please contact Corporate Compliance before using any code other than "A".
- 16) Have the generator fill out the appropriate items at the bottom of page 2 and ensure that one copy of the land ban remains with the generator and one copy accompanies the load.