LAND DISPOSAL RESTRICTION NOTIFICATION & CERTIFICATION FORM (LDR)
CHEMTRON CORPORATION
35850 SCHNEIDER COURT, AVON, OH 44011
PHONE (440) 937-6348 FAX (440) 937-6845

INSTRUCTIONS

This Land Disposal Restriction Notification & Certification Form must accompany each shipment of waste subject to the restrictions listed in 40 CFR part 268.

Generator Information
Enter the Generator name, EPA identification number, manifest number, date, signature, and printed name.

Notification and certification

- Write the manifest line number under "LINE NO."
- Enter the Chemtron approval number and the associated EPA waste number in the box provided.
- Check whether the waste has a subcategory or not. If it has a subcategory, enter the appropriate two letter code. If it does not have a subcategory, determine if the waste is a wastewater or a non-wastewate. "Wastewaters" are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). "Nonwastewaters" are wastes that do not meet the criteria for wastewaters.
- "Underlying Hazardous Constituents" or UHC'S are regulated within the universal treatment standards. Enter the appropriate number or letter from the table of UHC's. Generator's are required to identify the underlying constituents in all D001-D043 waste streams except:

  - **D001** - Ignitable Characteristic Wastes which can be treated by RORGS or CMBST
    - High TOC Ignitable Characteristic Liquids Subcategory)
  - **D003** - Subcategories S4 through S9
  - **D006** - Subcategory S10
  - **D008** - Subcategories S11 and S12
  - **D009** - Subcategories S13 through S18
  - **D011** - Radioactively contaminated silver containing batteries
  - **D012-D017** - Wastewaters

  Example: If a waste has a UHC constituent of "acetone," the number "4" should be entered in the UHC space corresponding to the manifest line item that contains the UHC. If the waste does not meet applicable treatment standards and must be treated further, the letter "A" should be entered in the Certification space corresponding to the manifest line item that requires further treatment.

Certification
Enter the appropriate Certification letter under the column marked "CERT.".

F001-F005 Spent Solvents
Write the manifest line number next to the corresponding constituent(s) for all wastes carrying EPA waste number F001, F002, F003, F004, or F005.

Example: If a waste on line item 11a. has EPA waste number F002 due to spent methylene chloride, write "11a" in the space provided for methylene chloride.

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GENERATOR NAME _____ EPA ID NUMBER _____

MANIFEST DOCUMENT NO. _____ DATE_____

SIGNATURE _____ PRINT NAME_____

*****PLEASE REFER TO INSTRUCTIONS FOR IMPORTANT INFORMATION AND CODES FOR UHC'S AND CERTIFICATION*****

COMPLETE ALL APPLICABLE ITEMS.

LINE NO.	APPROVAL NO.	EPA WASTE NO.(S)	NWW	WW	SUBCAT.	UHC'S	CERT.
	Q						
	Q						
	Q						
	Q						

FOR F001-F005 SPENT SOLVENTS, LIST THE NUMBER NEXT TO THE CONSTITUENT THAT IS PRESENT.

LINE NO.(S)	F001-F005 SOLVENT	LINE NO.(S)	F001-F005 SOLVENT	LINE NO.(S)	F001-F005 SOLVENT
	ACETONE		CYCLOHEXANONE		NITROBENZENE
	BENZENE		O-DICHLOROBENZENE		PYRIDINE
	N-BUTANOL		ETHYL ACETATE		TETRACHLOROETHYLENE
	CARBON DISULFIDE		ETHYL BENZENE		TOLUENE
	CARBON TETRACHLORIDE		ETHYL ETHER		1,1,1-TRICHLOROETHANE
	CHLOROBENZENE		ISOBUTANOL		1,1,2-TRICHLOROETHANE
	O-CRESOL		METHANOL		1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE
	M-CRESOL		METHYLENE CHLORIDE		TRICHLOROETHYLENE
	P-CRESOL		METHYL ETHYL KETONE		TRICHLOROMONOFLUOROMETHANE
	CRESOLS/CRESYLIC ACID		METHYL ISOBUTYL KETONE		XYLENES (MIXED)

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CONTINUATION PAGE

Please use the continuation page to provide any information that does not fit on the LDR Notification & Certification Form.

LINE NO.	APPROVAL NO.	EPA WASTE NO.(S)	NWW	WW	SUBCAT.	UHC'S	CERT.
	Q						
	Q						
	Q						
	Q						

Other Comments: _____

_____

_____

_____

Revised 11/10/03

WASTE CODES WITH SUBCATEGORY DESIGNATIONS

LDR CODE	EPA WASTE NO.	REGULATORY SUBCATEGORY
S1	D001	High TOC (greater than or equal to 10% Total Organic Carbon) Ignitable Characteristic Liquids - Nonwastewaters only
S2	D001	Ignitable characteristic wastes except for the High TOC Subcategory
S3	D002	Corrosive Characteristic Wastes
S4	D003	Reactive Cyanides Subcategory based on §261.23(a)(5)
S5	D003	Reactive Sulfides Subcategory based on §261.23(a)(5)
S6	D003	Water Reactive Subcategory based on §261.23(a)(2), (3), & (4) - Nonwastewaters only
S7	D003	Explosives Subcategory based on §261.23(a)(6), (7), & (8)
S8	D003	Other Reactives Subcategory based on §261.23(a)(1)
S9	D003	Unexploded ordinances and other explosive devices which have been the subject of an emergency response.
S10	D006	Cadmium Containing Batteries Subcategory - Nonwastewaters only
S11	D008	Lead-Acid Batteries Subcategory - Nonwastewaters only
S12	D008	Radioactive Lead Solids Subcategory - Nonwastewaters only
S13	D009	Nonwastewaters, High Mercury-Organic Subcategory (greater than or equal to 260 mg/kg total mercury that also contains organics)
S14	D009	Nonwastewaters, High Mercury-Inorganic Subcategory (greater than or equal to 260 mg/kg total mercury that are inorganic)
S15	D009	Nonwastewaters, Low Mercury Subcategory (containing less than 260 mg/kg total mercury) and are residues from RMERC only
S16	D009	Nonwastewaters, Low Mercury Subcategory (containing less than 260 mg/kg total mercury) and are not residues from RMERC
S17	D009	Elemental Mercury contaminated with Radioactive Materials - Nonwastewaters only
S18	D009	Hydraulic Oil contaminated with Mercury Radioactive Materials Subcategory
S19	F003	F003 and/or F005 solvent wastes that contain any combination of one or more of the following three solvents as the only listed F001-F005 solvents: Carbon Disulfide, Cyclohexanone, and/or Methanol [formerly §268.41(c)]
S20	F005	F005 solvent waste containing 2-Nitropropane as the only listed F001-F005 solvents
S21	F005	F005 solvent waste containing 2-Ethoxyethanol as the only listed F001-F005 solvents
S22	F025	Light Ends Subcategory
S23	F025	Spent Filters/Aids and Desiccants Subcategory
S24	K069	Calcium Sulfate (Low Lead) Subcategory
S25	K069	Non-Calcium Sulfate (High Lead) Subcategory
S26	K071	Nonwastewaters from RMERC
S27	K071	Nonwastewaters not from RMERC
S28	K106	Nonwastewaters that contain greater than or equal to 260 mg/kg total mercury
S29	K106	Nonwastewaters, less than or equal to 260 mg/kg total mercury that are residues from RMERC
S30	K106	Nonwastewaters, less than 260 mg/kg total mercury that are not residues from RMERC
S31	P065	Nonwastewaters, regardless of total mercury content, not incinerator or RMERC residues
S32	P065	Nonwastewaters, either incinerator or RMERC residues and contain greater than or equal to 260 mg/kg total mercury
S33	P065	Nonwastewater residues from RMERC and contain less than 260 mg/kg total mercury
S34	P065	Nonwastewaters that are incinerator residues and contain less than 260 mg/kg total mercury
S35	P092	Nonwastewaters, regardless of total mercury content, not incinerator or RMERC residues
S36	P092	Nonwastewaters, incinerator residues or residues from RMERC and still contain greater than or equal to 260 mg/kg total mercury
S37	P092	Nonwastewater residues from RMERC and contain less than 260 mg/kg total mercury
S38	P092	Nonwastewaters that are incinerator residues and contain less than 260 mg/kg total Mercury
S39	U151	Nonwastewaters that contain less than 260 mg/kg total mercury and are incinerator residues from RMERC only
S40	U151	Nonwastewaters that contain less than 260 mg/kg total mercury that are not residues from RMERC
S41	U151	Nonwastewaters that contain greater than or equal to 260 mg/kg
S42	U151	Elemental Mercury Contaminated with Radioactive Materials

UHC'S - SELECT THE NUMBER IN THE SHADED BOX CORRESPONDING TO THE UHC

NO.	CONSTITUENT	NO.	CONSTITUENT	NO.	CONSTITUENT	NO.	CONSTITUENT
1	A2213	63	Chrysene	125	Hexachlorobenzene	187	Promecarb
2	Acenaphthylene	64	o-Cresol	126	Hexachlorobutadiene	188	Pronamide
3	Acenaphthene	65	m-Cresol	127	Hexachlorocyclopentadiene	189	Propham
4	Acetone	66	p-Cresol	128	HxCDDs (All Hexachlorodibenzo-p-dioxins)	190	Propoxur
5	Acetonitrile	67	m-Cumenyl methylcarbamate	129	HxCDFs (All Hexachlorodibenzo-furans)	191	Prosulfocarb
6	Acetophenone	68	Cyclohexanone	130	Hexachloroethane	192	Pyrene
7	2-Acetylaminofluorene	69	o,p'-DDD	131	Hexachloropropylene	193	Pyridine
8	Acrolein	70	p,p'-DDD	132	Indeno (1,2,3-c,d) pyrene	194	Safrole
9	Acrylamide	71	o,p'-DDE	133	Iodomethane	195	Silvex/2,4,5-TP
10	Acrylonitrile	72	p,p'-DDE	134	Isobutyl alcohol	196	1,2,4,5-Tetrachlorobenzene
11	Aldicarb sulfone	73	o,p'-DDT	135	Isodrin	197	TCDDs (All Tetrachlorodi-benzo-p-dioxins)
12	Aldrin	74	p,p'-DDT	136	Isolan	198	TCDFs (All Tetrachlorodibenzofurans)
13	4-Aminobiphenyl	75	Dibenz(a,h)anthracene	137	Isosafrole	199	1,1,1,2-Tetrachloroethane
14	Aniline	76	Dibenz(a,e)pyrene	138	Kepone	200	1,1,2,2-Tetrachloroethane
15	Anthracene	77	1,2-Dibromo-3-chloropropane	139	Methacrylonitrile	201	Tetrachloroethylene
16	Aramite	78	1,2-Dibromoethane/Ethylene dibromide	140	Methanol	202	2,3,4,6-Tetrachlorophenol
17	alpha-BHC	79	Dibromomethane	141	Methapyrilene	203	Thiodicarb
18	beta-BHC	80	m-Dichlorobenzene	142	Methiocarb	204	Thiophanate-methyl
19	delta-BHC	81	o-Dichlorobenzene	143	Methomyl	205	Tirpate
20	gamma-BHC	82	p-Dichlorobenzene	144	Methoxychlor	206	Toluene
21	Barban	83	Dichlorodifluoromethane	145	3-Methylcholanthrene	207	Toxaphene
22	Bendiocarb	84	1,1-Dichloroethane	146	4,4-Methylene bis(2-chloroaniline)	208	Triallate
23	Bendiocarb phenol	85	1,2-Dichloroethane	147	Methylene chloride	209	Tribromomethane/Bromoform
24	Benomyl	86	1,1-Dichloroethylene	148	Methyl ethyl ketone	210	2,4,6-Tribromophenol
25	Benzene	87	trans-1,2-Dichloroethylene	149	Methyl isobutyl ketone	211	1,2,4-Trichlorobenzene
26	Benz(a)anthracene	88	2,4-Dichlorophenol	150	Methyl methacrylate	212	1,1,1-Trichloroethane
27	Benzalchloride	89	2,6-Dichlorophenol	151	Methyl methansulfonate	213	1,1,2-Trichloroethane
28	Benzo(b)fluoranthene	90	Dimetilan	152	Methyl parathion	214	Trichloroethylene
29	Benzo(k)fluoranthene	91	Di-n-butylphthalate	153	Metolcarb	215	Trichloromonofluoromethane
30	Benzo(g,h,i)perylene	92	1,4-Dinitrobenzene	154	Mexacarbate	216	2,4,5-Trichlorophenol
31	Benzo(a)pyrene	93	4,6-Dinitro-o-cresol	155	Molinate	217	2,4,6-Trichlorophenol
32	Bromodichloromethane	94	2,4-Dinitrophenol	156	Naphthalene	218	2,4,5-Trichlorophenoxyacetic acid/2,4,5-T
33	Bromomethane/Methyl bromide	95	2,4-Dinitrotoluene	157	2-Naphthylamine	219	1,2,3-Trichloropropane
34	4-Bromophenyl phenyl ether	96	2,6-Dinitrotoluene	158	o-Nitroaniline	220	1,1,2-Trichloro-1,2,2-trifluoroethane
35	n-Butyl alcohol	97	Di-n-octyl phthalate	159	p-Nitroaniline	221	Triethylamine
36	Butylate	98	Di-n-propylnitrosamine	160	Nitrobenzene	222	tris-(2,3-Dibromopropyl) phosphate
37	Butyl benzyl phthalate	99	1,4-Dioxane	161	5-Nitro-o-toluidine	223	Vernolate
38	2-sec-Butyl-4,6-dinitrophenol/Dinoseb	100	Diphenylamine	162	o-Nitrophenol	224	Vinyl chloride
39	Carbaryl	101	Diphenylnitrosamine	163	p-Nitrophenol	225	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)
40	Carbenzadim	102	1,2-Diphenylhydrazine	164	N-Nitrosodiethylamine		**Inorganic Constituents:**
41	Carbofuran	103	Disulfoton	165	N-Nitrosodimethylamine	226	Antimony
42	Carbofuran phenol	104	Dithiocarbamates (total)	166	N-Nitroso-di-n-butylamine	227	Arsenic
43	Carbon disulfide	105	Endosulfan I	167	N-Nitrosomethylethylamine	228	Barium
44	Carbon tetrachloride	106	Endosulfan II	168	N-Nitrosomorpholine	229	Beryllium
45	Carbosulfan	107	Endosulfan sulfate	169	N-Nitrosopiperidine	230	Cadmium
46	Chlordane (alpha and gamma isomers)	108	Endrin	170	N-Nitrosopyrrolidine	231	Chromium (Total)
47	p-Chloroaniline	109	Endrin aldehyde	171	Oxamyl	232	Cyanides (Total)
48	Chlorobenzene	110	EPTC	172	Total PCBs (sum of all PCB isomers or all Aroclors)	233	Cyanides (Amenable)
49	Chlorobenzilate	111	Ethyl acetate	173	Pebulate	234	Fluoride
50	2-Chloro-1,3-butadiene	112	Ethyl benzene	174	Pentachlorobenzene	235	Lead
51	Chlorodibromomethane	113	Ethyl cyanide/Propanenitrile	175	PeCDDs (All Pentachlorodibenzo-p-dioxins)	236	Mercury--Non-wastewater from Retort
52	Chloroethane	114	Ethyl ether	176	PeCDFs (All Pentachlorodibenzo-furans)	237	Mercury--All Others
53	bis(2-Chloroethoxy)methane	115	bis(2-Ethylhexyl) phthalate	177	Pentachlorophenol	238	Nickel
54	bis(2-Chloroethyl)ether	116	Ethyl methacrylate	178	Phenacetin	239	Selenium
55	Chloroform	117	Ethylene oxide	179	Phenanthrene	240	Silver
56	bis(2-Chloroisopropyl)ether	118	Famphur	180	Phenol	241	Sulfide
57	p-Chloro-m-cresol	119	Fluoranthene	181	o-Phenylenediamine	242	Thallium
58	2-Chloroethyl vinyl ether	120	Fluorene	182	Phorate	243	Vanadium
59	Chloromethane/Methyl chloride	121	Formetanate hydrochloride	183	Phthalicacid	244	Zinc
60	2-Chloronaphthalene	122	Formparanate	184	Phthalicanhydride		
61	2-Chlorophenol	123	Heptachlor	185	Physostigmine		
62	3-Chloropropylene	124	Heptachlor epoxide	186	Physostigmine salicylate		

Revised 2/19/01

CERTIFICATIONS

Please check with your Chemtron representative prior to using certification C-G.

A. This waste must be treated to the applicable treatment standards set forth in 40 C.F.R. part 268 or requires further treatment prior to land disposal.

B. I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 C.F.R. part 268 subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

C. I certify under penalty of law that I personally have examined this contaminated soil and it does contain listed hazardous waste and it does exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 40 C.F.R. §268.49(c).

D. I certify under penalty of law that I personally have examined this contaminated soil and it does contain listed hazardous waste and it does not exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 40 C.F.R. §268.49(c).

E. I certify under penalty of law that I personally have examined this contaminated soil and it does not contain listed hazardous waste and it does exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 40 C.F.R. §268.49(c).

F. I certify under penalty of law that I personally have examined this contaminated soil and it does not contain listed hazardous waste and it does not exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 40 C.F.R. §268.49(c).

G. 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 C.F.R. 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 C.F.R. 268.42(c). I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

FOR TREATMENT FACILITIES ONLY BELOW THIS LINE

H. 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 C.F.R. §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.

I. 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 nonwastewater organic constituents have been treated by combustion units as specified in 268.42, Table 1. I have been unable to detect the nonwastewater 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.

J. I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 C.F.R. §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 here are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

K. I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 C.F.R. 268.40 to remove the hazardous characteristic and that underlying hazardous constituents, as defined in §268.2(i) have been treated on-site to meet the §268.48 Universal Treatment Standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.