ATTACHMENT III

to

FINAL RFA REPORT

RCRA FACILITY ASSESSMENT

SAMPLING VISIT
WORK PLAN OUTLINE

Hazeltine Corporation
Commack, New York
EPA ID# NYD980773691

July 7, 1989

Prepared by the NYSDEC

I. SWMU To Be Sampled

The Sampling Visit (SV) shall consist of soil sampling at the former 2100 gallon concrete underground storage tank (also called the "sump pit") located just outside of Building No. 6 near the loading/unloading area on the east side of the building (see Figure 1).

II. Sampling Locations

A. Sampling locations within a five (5) foot distance from the tank (Figure 2) shall be proposed by the Permittee. If possible, and if necessary, at least one location per side of the tank, or at least one location within the tank, should be sampled.

B. At least two (2) samples shall be collected at each location. One (1) sample shall be collected below and within five (5) feet of the elevation of the tank bottom and one (1) sample shall be collected between the bottom and mid-depth of the tank (see Figure 3).

C. The Permittee may also propose and collect soil samples from an area(s) of the facility known to be uncontaminated and unaffected by the activities of the facility which would indicate representative "background" conditions. These samples could be used for comparison with those collected around the tank.

III. Sampling Protocols

A. Type of Samples

Individual grab soil samples shall be collected at each sampling location.

B. Sampling Equipment

A split-spoon core sampler should be used to collect the samples as described in Appendix E of the RCRA Sample Visit Work Plan Guidance, June 1989.

IV. Analytical Parameters

A. At least one (1) of the samples collected below the tank bottom shall be analyzed for all of the hazardous constituents listed in 6NYCRR Subpart 373-2 Appendix 33 or all of the priority toxic pollutants designated in 40 CFR Part 136 of the Clean Water Act.

B. The remaining samples shall be analyzed for the following parameters:

1. Metals

(a) Arsenic
(b) Barium
(c) Cadmium
(d) Chromium, Total
(e) Lead
(f) Mercury
(g) Selenium
(h) Silver

2. Volatile Organics listed in Methods 8010 and 8020 of Test Methods for Evaluating Solid Waste, EPA SW-846, Third Edition

3. Oil and Grease

C. The background samples, if collected, need only be analyzed for the metals listed in 6NYCRR Subpart 373-2 Appendix 33. The background concentrations of the remaining Appendix 33 parameters will be assumed to be the detection limits, if specified, in the analytical method.

V. Sample Analysis

The soil samples shall be prepared and analyzed for the parameters listed in Item III above by the appropriate methods selected by the Permittee from Table II of the RCRA Sample Visit Work Plan Guidance, or other appropriate methods approved by the Department.

VI. Required Detection Levels

A. The expected detection level for each parameter shall be specified by the Permittee in the Work Plan.

B. The detection levels for the soil samples collected around the tank shall be the same as those for the background samples, if background samples are collected.

C. The detection levels for each parameter in each sample should be as close to the detection limit, if specified, in the analytical method.

D. For the parameters which are included in both Table D-1 and the 6NYCRR Subpart 373-2 Appendix 33 list or in the priority toxic pollutant list in 40 CFR Part 136, the detection levels must be no greater than 20% of the health-based criteria specified in Table D-1. For those parameters for which both carcinogen and systemic toxicant criteria are listed, the detection level shall be based upon the lower of the two.

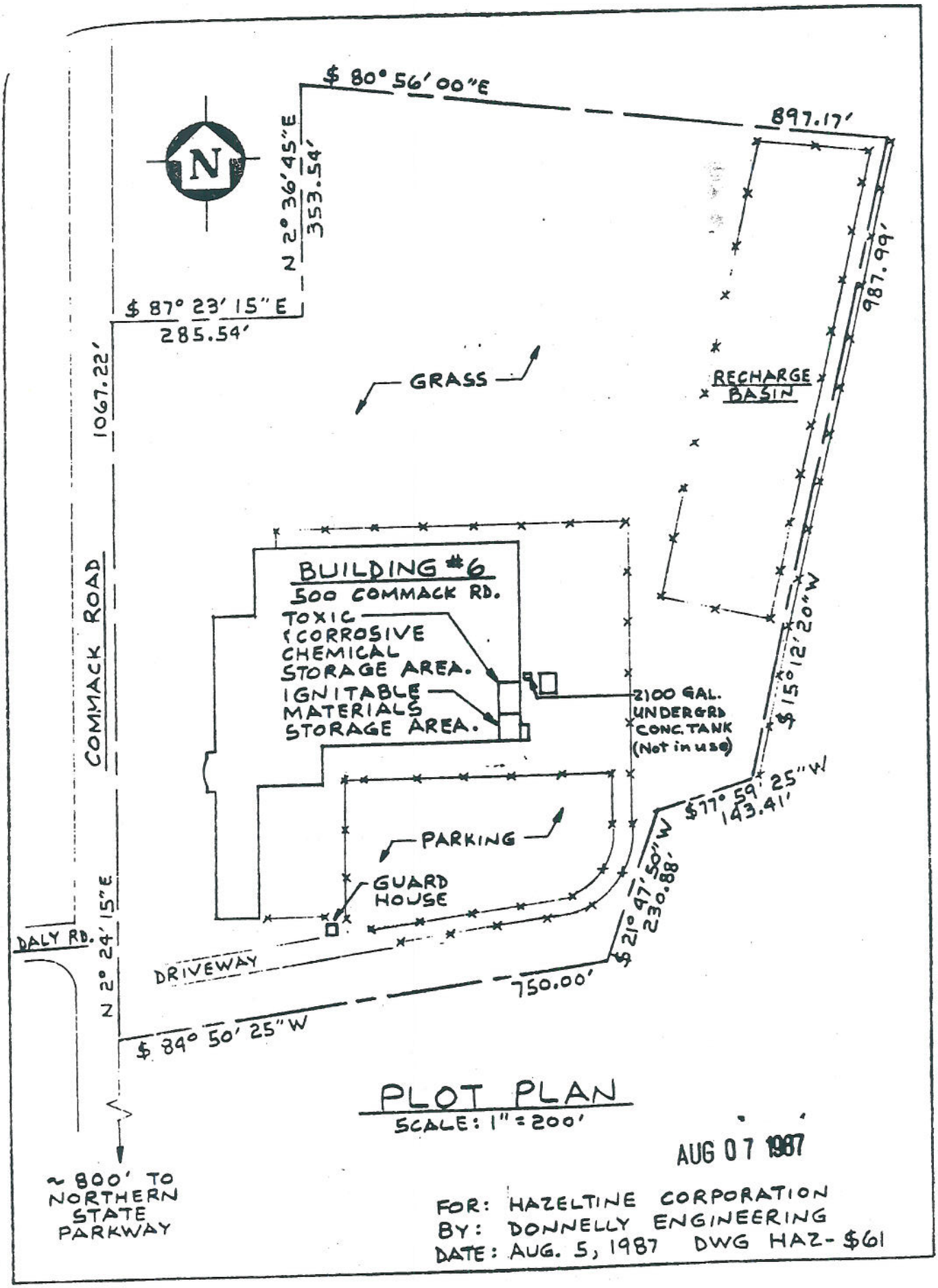
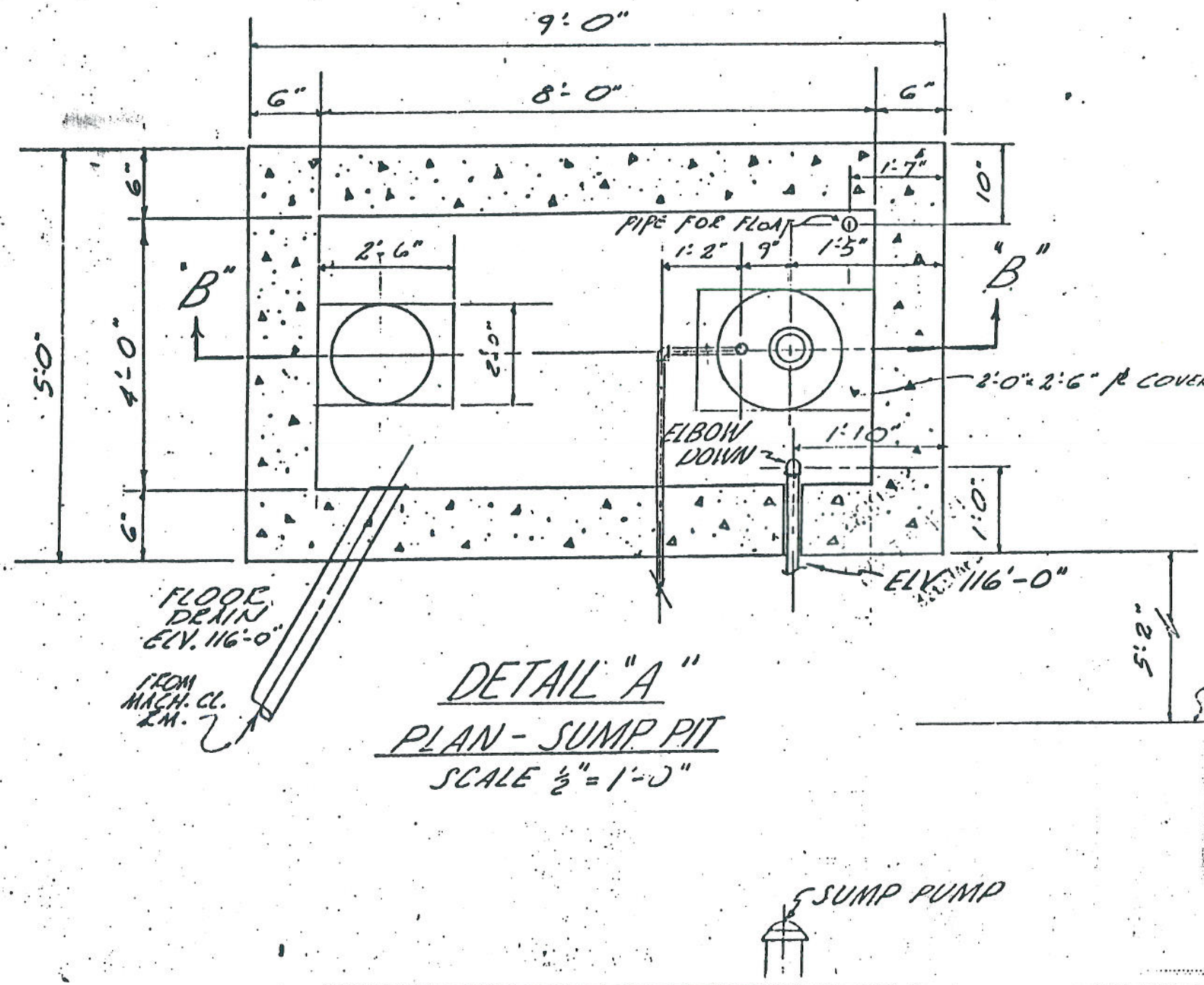

N
S 80° 56' 00" E
897.17'
N 2° 36' 45" E
353.54'
S 87° 23' 15" E
285.54'
1067.22'
987.99'
GRASS
RECHARGE BASIN
BUILDING #6
500 COMMACK RD.
TOXIC & CORROSIVE CHEMICAL STORAGE AREA.
IGNITABLE MATERIALS STORAGE AREA.
2100 GAL. UNDERGRD CONC. TANK (Not in use)
S 15° 12' 20" W
S 77° 59' 25" W
143.41'
PARKING
GUARD HOUSE
S 21° 47' 50" W
230.88'
COMMACK ROAD
DALY RD.
N 2° 24' 15" E
DRIVEWAY
750.00'
S 84° 50' 25" W
~ 800' TO NORTHERN STATE PARKWAY
PLOT PLAN
SCALE: 1" = 200'
AUG 07 1987
FOR: HAZELTINE CORPORATION
BY: DONNELLY ENGINEERING
DATE: AUG. 5, 1987 DWG HAZ-$61

Figure 1



DETAIL "A"

PLAN - SUMP PIT

SCALE ½" = 1'-0"

Figure 2 Former Sump Pit

Table D-1

EPA Health Based Criteria
for Soil Ingestion

Constituent	CAS No.	Carcinogen (mg/kg)	Systemic Toxicant (mg/kg)
ACENAPHTHENE	83-32-9		
ACENAPHTHYLENE	208-96-8		
ACETONE	67-64-1		8000
ACETONITRILE	75-05-8		500
ACETOPHENONE	98-86-2		8000
2-ACETYLAMINOFLUORENE	53-96-3		
ACROLEIN	107-02-8		
ACRYLIC ACID	79-10-7		
ACRYLONITRILE	107-13-1	1.3	
ALACHLOR	15972-60-8		
ALDICARB	116-06-3		80
ALDICARB & METHOMYL,TOTAL	116-06-3		
	16752-77-5		
ALDRIN	309-00-2	0.041	2
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	68391-01-5		
ALKYL DIPHENYL OXIDE SULFONATES	NA		
ALLYL CHLORIDE	107-05-1		
AMIBEN	133-90-4		
4-AMINOBIPHENYL	92-67-1		
AMINOCRESOLS,TOTAL	95-84-1		
	2835-95-2		
	2835-99-6		
AMINOMETHYLENE PHOSPHONIC ACID SALTS,TOTAL	NA		
AMINOPYRIDINE,TOTAL	462-08-8		
	504-24-5		
	504-29-0		
AMMONIA	7664-41-7		
ANILINE	62-53-3	270	
ANTHRACENE	120-12-7		
ANTIMONY	7440-36-0		30
ARAMITE	140-57-8		
ARSENIC	7440-38-2		
ARYLTRIAZOLES,TOTAL	NA		
ATRAZINE	1912-24-9		
AZINPHOSMETHYL	86-50-0		
AZOBENZENE	103-33-3		
BARIUM	7440-39-3		4000
BENEFIN	1861-40-1		
BENZ(a)ANTHRACENE	56-55-3	0.224	
BENZENE	71-43-2	24	
BENZIDINE	92-87-5	0.003	200
BENZISOTHIAZOLE	271-61-4		
BENZO(b)FLUORANTHENE	205-99-2		
BENZO(k)FLUORANTHENE	207-08-9		
BENZO(g,h,i)PERYLENE	191-24-2		

Table D-1

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Constituent	CAS No.	Carcinogen (mg/kg)	Systemic Toxicant (mg/kg)
BENZO(a)PYRENE	50-32-8	0.0609	
BENZYL ALCOHOL	100-51-6		
BERYLLIUM	7440-41-7	0.143	400
alpha-BHC	319-84-6		
beta-BHC	319-85-7		
delta-BHC	319-86-8		
BIS(2-CHLOROETHOXY)METHANE	111-91-1		
BIS(2-CHLOROETHYL)ETHER	111-44-4	0.64	
BIS(2-CHLORO-1-METHYLETHYL) ETHER	108-60-1		
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	83	2000
BORIC ACID, BORATES &	11113-50-1		
METABORATES,TOTAL	10043-35-3		
	1303-96-4		
BORON	7440-42-8		
BROMACIL	314-40-9		
BROMIDE	NA		
BROMOBENZENE	108-86-1		
BROMOCHLOROMETHANE	74-97-5		
BROMODICHLOROMETHANE	75-27-4		2000
BROMOFORM	75-25-2		2000
BROMOMETHANE	74-83-9		30
4-BROMOPHENYL PHENYL ETHER	101-55-3		
BUTACHLOR	23184-66-9		
BUTOXYETHOXYETHANOL	112-34-5		
BUTOXYPROPANOL	5131-66-8		
n-BUTYLBENZENE	104-51-8		
sec-BUTYLBENZENE	135-98-8		
tert-BUTYLBENZENE	98-06-6		
BUTYL BENZYL PHTHALATE	85-68-7		
BUTYL ISOPROPYL PHTHALATE	NA		
CADMIUM	7440-43-9		
CAPTAN	133-06-2		
CARBARYL	63-25-2		
CARBOFURAN	1563-66-2		
CARBON DISULFIDE	75-15-0		8000
CARBON TETRACHLORIDE	56-23-5	5.4	60
CHLORDANE	57-74-9	0.54	4
CHLORIDE	NA		
p-CHLOROANILINE	106-47-8		
CHLOROBENZENE	108-90-7		2000
CHLOROBENZILATE	510-15-6		
p-CHLORO-m-CRESOL	59-50-7		
CHLOROETHANE	75-00-3		
CHLOROFORM	67-66-3	110	800
2-CHLORONAPHTHALENE	91-58-7		
2-CHLOROPHENOL	95-57-8		
4-CHLOROPHENYL PHENYL ETHER	7005-72-3		

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Constituent	CAS No.	Carcinogen (mg/kg)	Systemic Toxicant (mg/kg)
CHLOROPRENE	126-99-8		
2-CHLOROTOLUENE	95-49-8		
4-CHLOROTOLUENE	106-43-4		
5-CHLORO-o-TOLUIDINE	95-79-4		
CHROMIUM	7440-47-3		
CHROMIUM (HEXAVALENT)	18540-29-9		400
CHRYSENE	218-01-9		
COPPER	7440-50-8		
m-CRESOL	108-39-4		
o-CRESOL	95-48-7		
p-CRESOL	106-44-5		
CYANIDE	57-12-5		2000
DDT, DDD & DDE,TOTAL			
4,4'-DDD	72-54-8	2.9	
4,4'-DDE	72-55-9	2.1	
4,4'-DDT	50-29-3	2.1	40
DEMETON	8065-48-3		
	298-03-3		
	126-75-0		
DIALLATE	2303-16-4		
DIAZINON	333-41-5		
DIBENZ(a,h)ANTHRACENE	53-70-3	0.0143	
DIBENZOFURAN	132-64-9		
DIBROMOCHLOROMETHANE	124-48-1		
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.0317	
DIBROMODICHLOROMETHANE	NA		
1,2-DIBROMOETHANE	106-93-4		
DIBROMOMETHANE	74-95-3		
2,2-DIBROMO-3-NITRILOPROPIONAMIDE &	10222-01-2		
DIBROMOACETONITRILE,T	3252-43-5		
DI-n-BUTYLPHTHALATE	84-74-2		8000
DICAMBA	1918-00-9		
1,2-DICHLOROBENZENE &	95-50-1		
1,4-DICHLOROBENZENE,TOTAL	106-46-7		
1,2-DICHLOROBENZENE	95-50-1		
1,3-DICHLOROBENZENE	541-73-1		
1,4-DICHLOROBENZENE	106-46-7		
3,3'-DICHLOROBENZIDINE	91-94-1		
trans-1,4-DICHLORO-2-BUTENE	110-57-6		
DICHLORODIFLUOROMETHANE	75-71-8		20000
1,1-DICHLOROETHANE	75-34-3		
1,2-DICHLOROETHANE	107-06-2	7.7	
1,1-DICHLOROETHYLENE	75-35-4	12	700
cis-1,2-DICHLOROETHYLENE	NA		
trans-1,2-DICHLOROETHYLENE	156-60-5		
DICHLOROFLUOROMETHANE	75-43-4		
2,4-DICHLOROPHENOL	120-83-2		200

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Constituent	CAS No.	Carcinogen (mg/kg)	Systemic Toxicant (mg/kg)
2,6-DICHLOROPHENOL	87-65-0		
2,4-DICHLOROPHENOXYACETIC ACID	94-75-7		800
DICHLOROPROPANES,TOTAL	78-99-9		
	26638-19-7		
1,2-DICHLOROPROPANE	78-87-5		
1,3-DICHLOROPROPANE	142-28-9		
2,2-DICHLOROPROPANE	NA		
1,1-DICHLOROPROPENE	NA		
cis-1,3-DICHLOROPROPENE	10061-01-5		
trans-1,3-DICHLOROPROPENE	10061-02-6		
DIELDRIN	60-57-1	0.044	4
DIETHYL PHTHALATE	84-66-2		60000
o,o-DIETHYL o-2-PYRAZINYL PHOSPHOROTHIOATE	297-97-2		
DIMETHOATE	60-51-5		2000
p-(DIMETHYLAMINO)AZOBENZENE	60-11-7		
n,n-DIMETHYLANILINE	121-69-7		
7,12-DIMETHYLBENZ(a)ANTHRACENE	57-97-6		
3,3'-DIMETHYLBENZIDINE	119-93-7		
DIMETHYLFORMAMIDE	68-12-2		
alpha, alpha-DIMETHYLPHENETHYLAMINE	122-09-8		
2,4-DIMETHYLPHENOL	105-67-9		
DIMETHYL PHTHALATE	131-11-3		
1,3-DINITROBENZENE	99-65-0		
4,6-DINITRO-o-CRESOL	534-52-1		
2,4-DINITROPHENOL	51-28-5		200
2,4-DINITROTOLUENE	121-14-2	2.27	
2,6-DINITROTOLUENE	606-20-2		
DINOSEB	88-85-7		80
DI-n-OCTYL PHTHALATE	117-84-0		
1,4-DIOXANE	123-91-1	143	
DIPHENYLAMINE	122-39-4		2000
1,2-DIPHENYLHYDRAZINE	122-66-7	0.88	
DISULFOTON	298-04-4		3
DITHANE	142-59-6		
DODECYLGUANIDINE SALTS,TOTAL	13590-97-1		
	2439-10-3		
DYPHYLLINE	479-18-5		
ENDOSULFAN	115-29-7		4
ENDOSULFAN I	959-98-8		
ENDOSULFAN II	33213-65-9		
ENDOSULFAN SULFATE	1031-07-8		
ENDRIN	72-20-8		20
ENDRIN ALDEHYDE	7421-93-4		
ETHYLBENZENE	100-41-4		8000
ETHYLENE CHLOROHYDRIN	107-07-3		
ETHYLENE GLYCOL	107-21-1		

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Constituent	CAS No.	Carcinogen (mg/kg)	Systemic Toxicant (mg/kg)
ETHYLENE OXIDE	75-21-8	2	
ETHYLENETHIOUREA	96-45-7		
ETHYL METHACRYLATE	97-63-2		
ETHYL METHANESULFONATE	62-50-0		
FAMPHUR	52-85-7		
FERBAM	14484-64-1		
FLUORANTHENE	206-44-0		
FLUORENE	86-73-7		
FLUORIDE	NA		
FOLPET	133-07-3		
GROSS ALPHA RADIATION	NA		
GROSS BETA RADIATION	NA		
GUAIFENESIN	93-14-1		
HEPTACHLOR & HEPTACHLOR EPOXIDE,TOTAL	76-44-8		
	1024-57-3		
HEPTACHLOR	76-44-8	0.16	40
HEPTACHLOR EPOXIDE	1024-57-3	0.077	0.8
HEXACHLOROBENZENE	118-74-1	0.407	
HEXACHLOROBUTADIENE	87-68-3	90	200
HEXACHLOROCYCLOHEXANES,TOTAL	58-89-9		
	319-84-6		
	319-85-7		
	319-86-8		
	6108-10-7		
	608-73-1		
HEXACHLOROCYCLOPENTADIENE	77-47-4		600
HEXACHLOROETHANE	67-72-1	500	80
HEXACHLOROPHENE	70-30-4		
HEXACHLOROPROPENE	1888-71-7		
2-HEXANONE	591-78-6		
HYDRAZINE	302-01-2	0.23	
HYDROGEN SULFIDE	7783-06-4		200
HYDROQUINONE	123-31-9		
1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID	2809-21-4		
2-(2-HYDROXY-3,5-DI-TERTPENTYLPHENYL)-BENZOTRIAZOLE	25973-55-1		
INDENO(1,2,3-cd)PYRENE	193-39-5		
IRON	7439-89-6		
ISOBUTYL ALCOHOL	78-83-1		20000
ISODECYL DIPHENYL PHOSPHATE	29761-21-5		
ISODRIN	465-73-6		
ISOPHORONE	78-59-1		20000
ISOPROPYLBENZENE	98-82-8		
p-ISOPROPYLTOLUENE	99-87-6		
ISOSAFROLE	120-58-1		
KEPONE	143-50-0		

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Constituent	CAS No.	Carcinogen (mg/kg)	Systemic Toxicant (mg/kg)
LEAD	7439-92-1		
LINDANE	58-89-9	5.4	20
MAGNESIUM	7439-95-4		
MALATHION	121-75-5		
MANEB	12427-38-2		
MANGANESE	7439-96-5		
MCPA	94-74-6		
MERCAPTOBENZOTHIAZOLE	149-30-4		
MERCURY	7439-97-6		
METHACRYLIC ACID	79-41-4		
METHACRYLONITRILE	126-98-7		8
METHAPYRILENE	91-80-5		
METHOXYCHLOR	72-43-5		
METHOXYETHYLBENZENE	3558-60-9		
	4013-34-7		
METHYLBENZ(a)ANTHRACENES,TOTAL	NA		
METHYL CHLORIDE	74-87-3		
3-METHYLCHOLANTHRENE	56-49-5	0.0741	
METHYLENE BISTHIOCYANATE	6317-18-6		
METHYLENE CHLORIDE	75-09-2	93	5000
4-(1-METHYLETHOXY)-1-BUTANOL	31600-69-8		
2-METHYLETHYL-1,3-DIOXOLANE	126-39-6		
METHYL ETHYL KETONE	78-93-3		4000
METHYL IODIDE	74-88-4		
METHYL ISOBUTYL KETONE	108-10-1		4000
METHYL METHACRYLATE	80-62-6		
METHYL METHANESULFONATE	66-27-3		
2-METHYLNAPHTHALENE	91-57-6		
METHYL PARATHION	298-00-0		20
MIREX	2385-85-5		
NAPHTHALENE	91-20-3		
1,4-NAPHTHOQUINONE	130-15-4		
1-NAPHTHYLAMINE	134-32-7		
2-NAPHTHYLAMINE	91-59-8		
NIACINAMIDE	98-92-0		
NICKEL	7440-02-0		2000
NITRALIN	4726-14-1		
NITRATE (as N)	NA		
NITRILOTRIACETATE (NTA)	NA		
o-NITROANILINE	88-74-4		
m-NITROANILINE	99-09-2		
p-NITROANILINE	100-01-6		
NITROBENZENE	98-95-3		40
o-NITROPHENOL	88-75-5		
p-NITROPHENOL	100-02-7		
4-NITROQUINOLINE 1-OXIDE	56-57-5		
n-NITROSODI-n-BUTYLAMINE	924-16-3	0.13	

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Constituent	CAS No.	Carcinogen (mg/kg)	Systemic Toxicant (mg/kg)
n-NITROSODIETHYLAMINE	55-18-5	0.0046	
n-NITROSODIMETHYLAMINE	62-75-9	0.014	
n-NITROSODIPHENYLAMINE	86-30-6		
n-NITROSODIPROPYLAMINE	621-64-7	0.1	
n-NITROSOMETHYLETHYLAMINE	10595-95-6	0.032	
n-NITROSOMORPHOLINE	59-89-2		
n-NITROSOPIPERIDINE	100-75-4		
n-NITROSOPYRROLIDINE	930-55-2	0.33	
5-NITRO-o-TOLUIDINE	99-55-8		
PARAQUAT	4685-14-7		
PARATHION & METHYL PARATHION,TOTAL	56-38-2		
	298-00-0		
PARATHION	56-38-2		20
PENTACHLOROBENZENE	608-93-5		60
PENTACHLOROETHANE	76-01-7		
PENTACHLORONITROBENZENE	82-68-8	27.3	200
PENTACHLOROPHENOL	87-86-5		2000
PHENACETIN	62-44-2		
PHENANTHRENE	85-01-8		
PHENOL	108-95-2		3000
PHENOLIC COMPOUNDS (TOTAL PHENOLS)	NA		
p-PHENYLENEDIAMINE	106-50-3		
PHENYL ETHER	101-84-8		
PHENYLPROPANOLAMINE	14838-15-4		
PHORATE & DISULFOTON,TOTAL	298-02-2		
	298-04-4		
PHORATE	298-02-2		
2-PICOLINE	109-06-8		
POLYCHLORINATED BIPHENYLs (PCBs)	1336-36-3	0.091	
POLYCHLORINATED DIBENZO-p-DIOXINs(PCDDs)			
POLYCHLORINATED DIBENZOFURANs(PCDFs)			
PRONAMIDE	23950-58-5		6000
PROPACHLOR	1918-16-7		
PROPANIL	709-98-8		
PROPAZINE	139-40-2		
PROPIONITRILE	107-12-0		
n-PROPYLBENZENE	103-65-1		
PYRENE	129-00-0		
PYRIDINE	110-86-1		80
RADIUM 226	NA		
RADIUM 226 PLUS RADIUM 228	NA		
SAFROLE	94-59-7		
SELENIUM	7782-49-2		200
SILVER	7440-22-4		200
SIMAZINE	122-34-9		
SODIUM	7440-23-5		

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for Soil Ingestion

Constituent	CAS No.	Carcinogen (mg/kg)	Systemic Toxicant (mg/kg)
STRONTIUM 90	NA		
STYRENE	100-42-5	23	20000
SULFATE	NA		
SULFIDES, TOTAL	NA		
SULFIDE	18496-25-8		
2,4,5-T	93-76-5		200
TETRACHLOROBENZENES,TOTAL	95-94-3		
	634-66-2		
	634-90-2		
1,2,4,5-TETRACHLOROBENZENE	95-94-3		20
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN (TCDD)	1746-01-6		
1,1,1,2-TETRACHLOROETHANE	630-20-6		
1,1,2,2-TETRACHLOROETHANE	79-34-5	35	
TETRACHLOROETHYLENE	127-18-4	140	800
2,3,4,6-TETRACHLOROPHENOL	58-90-2		2000
TETRAETHYL DITHIOPYROPHOSPHATE	3689-24-5		
TETRAHYDROFURAN	109-99-9		
THALLIUM	7440-28-0		
THEOPHYLLINE	58-55-9		
THIRAM	137-26-8		400
TIN	7440-31-5		
TOLUENE	108-88-3		20000
o-TOLUIDINE	95-53-4		
TOLYLTRIAZOLE	29385-43-1		
TOXAPHENE	8001-35-2	0.64	
2,4,5-TP (SILVEX)	93-72-1		600
TRIBUTYLTIN OXIDE	56-35-9		
TRICHLOROBENZENES,TOTAL	108-70-3		
	12002-48-1		
1,2,3-TRICHLOROBENZENE	87-61-6		
1,2,4-TRICHLOROBENZENE	120-82-1		2000
1,1,1-TRICHLOROETHANE	71-55-6		7000
1,1,2-TRICHLOROETHANE	79-00-5	120	20000
TRICHLOROETHYLENE	79-01-6	64	
TRICHLOROFLUOROMETHANE	75-69-4		20000
2,4,5-TRICHLOROPHENOL	95-95-4		8000
2,4,6-TRICHLOROPHENOL	88-06-2	35	
1,2,3-TRICHLOROPROPANE	96-18-4		80
TRICHLOROTRIFLUOROETHANES,TOTAL	26523-64-8		
	354-58-5		
	76-13-1		
O,O,O-TRIETHYL PHOSPHOROTHIOATE	126-68-1		
TRIFLURALIN	1582-09-8		
TRIMETHYLBENZENES,TOTAL	25551-13-7		
	526-73-8		
	108-67-8		

Table D-1

EPA Health Based Criteria
for Soil Ingestion

Constituent	CAS No.	Carcinogen (mg/kg)	Systemic Toxicant (mg/kg)
1,2,4-TRIMETHYLBENZENE	95-63-6		
1,3,5-TRIMETHYLBENZENE	108-67-8		
TRIMETHYLPYRIDINE (COLLIDINE)	108-75-8		
	1462-84-6		
sym-TRINITROBENZENE	99-35-4		
TRIPHENYLPHOSPHATE	115-86-6		
VINYL ACETATE	108-05-4		
VINYL CHLORIDE	75-01-4		
XYLENES,TOTAL	1330-20-7		200000
m-XYLENE	108-38-3		
o-XYLENE	95-47-6		
p-XYLENE	106-42-3		
ZINC	7440-66-6		
ZINEB	12122-67-7		
ZIRAM	137-30-4		