

**TABLE 3-1  
HIGH ACRES LANDFILL & RECYCLING CENTER  
WESTERN EXPANSION AREA AND PARKWAY EXPANSION AREAS I, II, and III and HIGH ACRES CLOSED LANDFILL  
OPERATIONAL MONITORING POINTS**

LANDFILL AREA	OVERBURDEN WELLS	SHALLOW AND DEEP BEDROCK WELLS	SURFACE WATER SAMPLING POINTS	SEDIMENT SAMPLING POINTS	PRIMARY LEACHATE SAMPLING POINTS	SECONDARY LEACHATE SAMPLING POINTS	UNDER DRAINS	GAS PROBES	Piezometers			Monitoring Program
									Shallow	Intermediate	Deep	
Western Expansion Area	MW101A*	MW101B*	ST01	SD01	PLCS1	SLCS1	UDRAIN	GP101				Overburden, Shallow Bedrock, Deep Bedrock, Surface Water and Sediment samples to be sampled quarterly and analysed for Part 360 Routine List three times per year and Part 360 Baseline List once per year. Baseline sampling event to be rotated annually.  Underdrains to be sampled semi-annually for Part 360 Baseline list until groundwater suppression is terminated  Primary and Secondary Leachate to be sampled annually for the Part 360 Expanded List of Parameters  Gas Probes to be monitored for Methane content (%), pressure and water level XXXXX per year  Piezometers to be monitored quarterly four times per year for groundwater pressure (depth to water measurement)  Leachate at Manhole MH3A to be sampled monthly for the POTW discharge permit parameters
	MW102A*	MW102B*	ST02	SD02	PLCS2	SLCS2		GP102				
	MW103A	MW103B	ST03	SD03	PLCS3	SLCS3	UDRN3	GP103				
	MW104A	MW104B	SW101		PLCS4	SLCS4	UDRN4	GP104				
	MW105A	MW105B	SW102		PLCS5	SLCS5	UDRN5	GP105				
	MW117A	MW117B			PLCS6	SLCS6	UDRN6	GP106				
	MW121A							GP107				
								GP108				
								GP109				
								GP110				
								GP111				
Phase I Expansion Area	MW112A	MW112B			PLCS7	SLCS7	UDRN7	GP112				
	MW113A	MW113B			PLCS9	SLCS9	UDRN9	GP113 !!!				
	MW114AR* !!!	MW114BRR* !!!						GP114 !!!				
	MW984A	MW984B						GP116 !!!				
Phase II Expansion Area	MW981A	MW981B			PLCS10	SLCS10						
	MW982A	MW982B			PLCS11	SLCS11						
	MW983A XXX	MW983B XXX										
	MW15AR XXX	MW15BR XXX										
	MW312A XXX	MW312B XXX										
MW16A XXX	MW16B XXX											
Phase III Expansion Area Stage 1	MW313A ***	MW313B ***	ST105		PLCS12	SLCS12	UDRN 12	GP115				
	MW314A ***	MW314B ***	ST106		PLCS13	SLCS13	UDRN13	GP116				
	MW315A ***	MW315B ***						GP117				
	MW316A ***	MW316B ***						GP118				
	MW317A ***	MW317B ***						GP119				
	MW318A	MW318B						GP120				
								GP121				
Phase III Expansion Area Stage 2	MW320A	MW320B			PLCS14	SLCS14	UDRN14	GP123				
	MW321A	MW321B			PLCS15	SLCS15	UDRN15	GP124				
	MW322A	MW322B			PLCS16	SLCS16	UDRN16	GP125				
	MW323A	MW323B			PLCS17	SLCS17	UDRN17	GP126				
	MW324A	MW324B										
	MW325A	MW325B										
High Acres Closed Landfill	MW15A		EPOND !!!		MH3A			GP3 !!!	PZ1S	PZ1I	PZ1D	
	MW16A XXX	MW16B XXX	WPOND		L1			GP4 !!!	PZ2S	PZ2I	PZ2D	
	MW17A XXX							GP5 !!!	PZ3S	PZ3I	PZ3D	
	MW18A	MW18B						GP6	PZ4S	PZ4I	PZ4D	
	MW19A							GP7	PZ5S		PZ5D	
	MW20A	MW20B						GP8	PZ6S	PZ6I	PZ6D	
	MW21A	MW21B						GP9	PZ7S	PZ7I	PZ7D	
	MW22A	MW22B						GP10	PZ8S		PZ8D	
	MW24A	MW24B						GP11	PZ9S	PZ9I	PZ9D	
	MW25A							GP12	PZ10S	PZ10I	PZ10D	
	MW26A !!!	MW26B !!!						GP13				
		MW22CR						GP14				
		MW23C										

Notes  
A wells monitor overburden  
B wells monitor bedrock  
\* Designates Upgradient Wells  
Well to be installed  
!!! Well To be Decommissioned for Phase II  
XXX Well To be Decommissioned for Phase III Stage 1  
\*\*\* Well To be Decommissioned for Phase III Stage 2

Other Wells to be Decommissioned For Phase III Expansion  
MW310A, MW310B, MW302A, MW301A, MW301B, MW303A, MW303B, MW304A, MW304B, MW305A, MW305B, MW306A, MW306B, MW307B, MW308B, MW309A, MW309B.

TABLE 3-2  
Part 360 Parameters, Laboratory Method Detection Limits and Analytical Methods  
ROUTINE, BASELINE, EXPANDED PARAMETERS

Parameters (ug/L)	CAS RN	Method	PQL
Static water level			
Specific Conductance		9050	
Temperature			
Floater or Sinkers			
pH		9040	
Eh			
Dissolved Oxygen		360.1	1000
Field Observations			
Turbidity		180.1	1.0 NTU
Leachate Indicators (ug/L)			
Total Kjeldahl Nitrogen		351.2	100
Ammonia	7664-41-7	350.1	50
Nitrate		353.2	100
Biochemical Oxygen Demand		405.1	2000
Chemical Oxygen Demand (COD)		410.4	5000
Total Organic Carbon		9060	1000
Total Dissolved Solids		160.1	10000
Sulfate		9038	1000
Alkalinity		310.1	5000
Phenols	108-95-2	9066	5
Chloride		9252	1000
Bromide	24959-67-9	320.1	200
Total hardness as CaCO3		130.2	1000
Color		110.2	1 unit
Boron	7440-42-8	200.7	20
Inorganic Parameters (ug/L)			
Aluminum (Al)	(T)	6010	200
Antimony (Sb)	(T)	6010	15
Arsenic (As)	(T)	6010	10
Barium (Ba)	(T)	6010	200
Beryllium (Be)	(T)	6010	3
Cadmium (Cd)	(T)	6010	5
Calcium (Ca)	(T)	6010	5000
Chromium (Cr)	(T)	6010	10
Chromium (Hexavalent Cr+6)	18540-29-9	7196	10
Cobalt (Co)	(T)	6010	50
Copper (Cu)	(T)	6010	25
Cyanide	(T)	9010	10
Iron (Fe)	(T)	6010	100
Lead (Pb)	(T)	6010	3
Magnesium (Mg)	(T)	6010	5000
Manganese (Mn)	(T)	6010	15
Mercury (Hg)	(T)	7470	0.2
Nickel (Ni)	(T)	6010	40
Potassium (K)	(T)	6010	5000
Selenium (Se)	(T)	6010	5
Silver (Ag)	(T)	6010	10
Sodium (Na)	(T)	6010	5000
Sulfide	18496-25-8	376.2	100
Thallium (Tl)	(T)	6010	10
Tin (Sn)	(T)	6010	300
Vanadium (V)	(T)	6010	50
Zinc (Zn)	(T)	6010	20
Acetone	67-64-1	8260	10
Acetonitrile	75-05-8	8260	100
Acrolein	107-2-8	8260	100
Acrylonitrile	107-13-1	8260	100
Allyl Chloride	107-05-1	8260	5
Benzene	71-43-2	8260	5
Bromochloromethane	74-97-5	8260	5
Bromodichloromethane	75-27-4	8260	5
Bromoform	75-25-2	8260	5
Carbon disulfide	75-15-0	8260	5
Carbon tetrachloride	56-23-5	8260	5
Chlorobenzene	108-90-7	8260	5
Chloroethane	75-00-3	8260	5
Chloroform	67-66-3	8260	5
Chloroprene	126-99-8	8260	10
Dibromochloromethane	124-48-1	8260	5
1,2-Dibromo-3-Chloropropane	96-12-8	8260	10
1,2-Dibromoethane	106-93-4	8260	5
o-Dichlorobenzene	95-50-1	8260	5
m-Dichlorobenzene	541-73-1	8260	5
p-Dichlorobenzene	106-47-1	8260	5
trans-1,4-Dichloro-2-Butene	110-57-6	8260	10
Dichlorodifluoromethane	75-71-8	8260	5
1,1-Dichloroethane	75-34-3	8260	5
1,2-Dichloroethane	107-06-2	8260	5
1,1-Dichloroethylene	75-35-4	8260	5
cis-1,2-Dichloroethylene	156-59-2	8260	5
trans-1,2-Dichloroethylene	156-60-5	8260	5
1,2-Dichloropropane	78-87-5	8260	5
1,3-Dichloropropane	142-28-9	8260	5
2,2-Dichloropropane	594-20-7	8260	5
1,1-Dichloropropene	563-58-6	8260	5
cis-1,3-Dichloropropene	10061-1-5	8260	5
trans-1,3-Dichloropropene	10061-2-6	8260	5
Ethylbenzene	100-41-4	8260	5
Ethyl methacrylate	97-63-2	8260	10
2-Hexanone	591-78-6	8260	10
Isobutyl alcohol	78-83-1	8260	1000
Methacrylonitrile	126-98-7	8260	10
Methyl Bromide	74-83-9	8260	5
Methyl Chloride	74-87-3	8260	5
Methylene bromide	74-95-3	8260	5
Methylene chloride	75-09-2	8260	5
Methyl ethyl ketone	78-93-3	8260	10
Methyl iodide	74-88-4	8260	5
Methyl methacrylate	80-62-6	8260	10
4-Methyl-2-Pentanone	108-10-1	8260	10
Propionitrile	107-12-0	8260	100
Styrene	100-42-5	8260	5
1,1,1,2-Tetrachloroethane	630-20-6	8260	5
1,1,2,2-Tetrachloroethane	79-34-5	8260	5
Tetrachloroethylene	127-18-4	8260	5
Toluene	108-88-3	8260	5
1,1,1-Trichloroethane	71-55-6	8260	5
1,1,2-Trichloroethane	79-00-5	8260	5
Trichloroethylene	79-01-6	8260	5
Trichlorofluoromethane	75-69-4	8260	5
1,2,3-Trichloropropane	96-18-4	8260	5
Vinyl acetate	108-5-4	8260	50
Vinyl chloride	75-1-4	8260	5
m-Xylene and p-Xylene	1330-20-7	8260	5
o-Xylene	96-47-6	8260	5

Parameter Tested During Routine, Baseline, and Expanded Sampling Events  
Parameter Tested During Baseline and Expanded Sampling Events  
Parameter Tested During Expanded Sampling Events

\* Total Phenols  
\*\* Parathion & Methylparathion  
\* Total Hexachlorocyclohexanes  
\*\*\* (1,2-) & 1,4-Dichlorobenzenes  
\*\*\*\* Dichloropropanes  
\*\*\*\*\* (1,2-) & 1,4-Dichlorobenzene

Parameters (ug/L)	CAS RN	Method	PQL
Semi-volatile Organic Compounds Parameters (ug/L)			
Acenaphthylene	208-96-8	8270	10
Acetophenone	98-86-2	8270	10
2-Acetylaminofluorene	53-96-3	8270	50
Aldrin	309-00-2	8081	0.05
4-Aminobiphenyl	92-67-1	8270	10
Anthracene	120-12-7	8270	10
Benzo[a]anthracene	56-55-3	8270	10
Benzo[b]fluoranthene	205-99-2	8270	10
Benzo[k]fluoranthene	207-08-9	8270	10
Benzo[ghi]perylene	191-24-2	8270	10
Benzo[a]pyrene	50-32-8	8270	10
Benzyl alcohol	100-51-6	8270	50
alpha-BHC	319-84-6	8081	0.05
beta-BHC	319-85-7	8081	0.05
delta-BHC	319-86-8	8081	0.05
gamma-BHC; Lindane	58-89-9	8081	0.05
Bis(2-chloroethoxy)methane	111-91-1	8270	10
Bis(2-chloroethyl) ether;	111-44-4	8270	10
Bis-(2-chloro-1-methylethyl) ether	180-60-1	8270	10
Bis(2-ethylhexyl)phthalate	117-81-7	8270	10
4-Bromophenyl phenyl ether	101-55-3	8270	10
Butyl benzyl phthalate	85-68-7	8270	10
Chlordane		8081	0.05
p-Chloraniline	106-47-8	8270	10
Chlorobenzilate	510-15-6	8270	10
p-Chloro-m-cresol	59-50-6	8270	10
2-Chloronaphthalene	91-58-7	8270	10
2-Chlorophenol	95-57-8	8270	10
4-Chlorophenyl phenyl ether	7005-72-3	8270	10
Chrysene	218-1-9	8270	10
m-Cresol; (3-methylphenol)	108-39-4	8270	10
o-Cresol; (2-methylphenol)	95-48-7	8270	10
p-Cresol; (4-methylphenol)	106-44-5	8270	10
2,4-Dichlorophenoxyacetic acid	94-75-7	8151	1
4,4-DDD	72-54-8	8081	0.1
4,4-DDE	72-55-9	8081	0.05
4,4-DDT	50-29-3	8081	0.1
Diallate	2303-16-4	8270	10
Dibenzo(a,h)anthracene	53-70-3	8270	10
Dibenzofuran	132-64-9	8270	10
Di-n-Butyl phthalate	84-74-2	8270	10
o-Dichlorobenzene	95-50-1	8270	10
m-Dichlorobenzene	541-73-1	8270	10
p-Dichlorobenzene	106-46-7	8270	10
3,3'-Dichlorobenzidine	91-94-1	8270	10
2,4-Dichlorophenol	120-82-2	8270	10
2,6-Dichlorophenol	87-65-0	8270	10
Dieldrin	60-57-1	8081	0.05
Diethyl Phthalate	84-66-2	8270	10
O,O'-Diethyl O-2-pyrazinyl-	297-97-2	8270	20
Dimethoate	60-51-5	8270	20
p-(Dimethylamino)azobenzene	60-11-7	8270	10
7,12-Dimethylbenz(a)anthracene	57-97-6	8270	10
3,3'-Dimethylbenzidine	119-93-7	8270	10
2,4-Dimethylphenol	105-67-9	8270	10
Dimethyl phthalate	131-11-3	8270	10
2,4-Dinitrophenol	51-28-5	8270	50
2,4-Dinitrotoluene	121-14-2	8270	10
2,6-Dinitrotoluene	606-2-2	8270	10
Dinoseb; (DNBP)	88-85-7	8151	1
Di-n-octyl phthalate	117-84-0	8270	10
Diphenylamine	122-39-4	8270	10
Disulfoton	298-04-4	8270	10
Endosulfan I	959-98-8	8081	0.05
Endosulfan II	33213-65-9	8081	0.05
Endosulfan Sulfate	1031-07-8	8081	0.1
Endrin	72-20-8	8081	0.1
Endrin Aldehyde	7421-93-4	8081	0.1
Ethylmethanesulfonate	62-50-0	8270	10
Famphur	52-85-7	8270	20
Fluoranthene	206-44-0	8270	10
Fluorene	86-73-7	8270	10
Heptachlor	76-44-8	8081	0.05
Heptachlor Epoxide	1024-57-3	8081	0.05
Hexachlorobutadiene	118-74-1	8270	10
Hexachlorobutadiene	87-68-3	8270	10
Hexachlorocyclopentadiene	77-47-4	8270	10
Hexachloroethane	67-72-1	8270	10
Hexachloropropene	1888-71-7	8270	10
Indeno(1,2,3-cd)pyrene	193-39-5	8270	10
Isodrin	465-73-6	8270	20
Isophorone	78-59-1	8270	10
Isosafrole	120-58-1	8270	10
Kepon	143-50-0	8081	0.1
Methapyrilene	91-80-5	8270	10
Methoxychlor	72-43-5	8081	0.5
3-Methylcholanthrene	56-49-5	8270	10
Methylmethanesulfonate	66-27-3	8270	10
2-Methylnaphthalene	91-57-6	8270	10
Methyl parathion	298-00-0	8270	10
Naphthalene	91-20-3	8270	10
1,4-Naphthoquinone	130-15-4	8270	20
1-Naphthylamine	134-32-7	8270	10
2-Naphthylamine	91-59-8	8270	10
o-Nitroaniline;	88-74-7	8270	50
m-Nitroaniline;	99-09-2	8270	50
p-Nitroaniline;	100-01-6	8270	20
Nitrobenzene	98-95-3	8270	10
o-Nitrophenol	88-75-5	8270	10
p-Nitrophenol	100-02-7	8270	50
N-Nitrosodi-n-butylamine	924-16-3	8270	10
N-Nitrosodimethylamine	55-18-5	8270	10
N-Nitrosodipropylamine	62-75-9	8270	10
N-Nitrosodiphenylamine	86-30-6	8270	10
N-Nitrosodipropylamine	621-64-7	8270	10
N-Nitrosomethylethylamine	10595-95-6	8270	10
N-Nitrosopiperidine	100-75-4	8270	10
N-Nitrosopyrrolidine	930-55-2	8270	10
5-Nitro-o-toluidine	99-55-8	8270	10
Parathion	56-38-2	8270	10
Pentachlorobenzene	608-93-5	8270	10
Pentachloronitrobenzene	82-68-8	8270	20
Pentachlorophenol	87-86-5	8270	20
Phenacetin	62-44-5	8270	10
Phenanthrene	85-1-8	8270	10
Phenol	108-95-2	8270	10
p-Phenylenediamine	106-50-3	8270	50
Phorate	298-02-2	8270	10
Polychlorinated Biphenyls		8082	0.065
Pronamide	23950-58-5	8270	10
Pyrene	129-00-0	8270	10
Safrole	94-59-7	8270	10
Silvex	93-72-1	8151	2
2,4,5-Trichlorophenoxyacetic acid	93-76-5	8151	1
1,2,4,5-Tetrachlorobenzene	95-94-3	8270	10
2,3,4,6-Tetrachlorophenol	58-90-2	8270	10
o-Toluidine	95-53-4	8270	10
Toxphene	8001-35-2	8081	2
1,2,4-Trichlorobenzene	120-82-1	8270	10
2,4,5-Trichlorophenol	95-95-4	8270	10