

**ANALYTICAL RESULTS TABLES  
POLLUTANT GROUP 1**

APPLICANT NAME		Westmoreland Sanitary Landfill, LLC											
Treatment Facility Influent Sampling Results													
Pollutant Group 1 Parameters	Units	Concentration / Mass Present								No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
		Min Daily		Max Daily		Avg Monthly		Long-Term Avg					
		Conc	lbs/day	Conc	lbs/day	Conc	lbs/day	Conc	lbs/day				
BOD <sub>5</sub>	mg/l	103	18.9	103	18.9	103	18.9	103	18.9	1	0	30	SM 5210 B
COD	mg/l	930	218.7	3800	2223.9	2077	736.0	2077	736.0	15	0	500	HACH 8000
TOC	mg/l	246	41.4	1080	717.0	422	173.8	422	173.8	15	0	25	SM 5310 C-11
TSS	mg/l	20	3.7	20	3.7	20	3.7	20	3.7	1	0	1	SM 2540 D
Ammonia-Nitrogen	mg/l	172.0	76.8	920	356.1	589	180.8	589	180.8	15	0	10	EPA 350.1
Temperature (Winter)	°F	N/A		N/A		N/A		N/A		0	--	--	--
Temperature (Summer)	°F	N/A		N/A		N/A		N/A		0	--	--	--
pH - Minimum	S.U.	6.98						7.47		15	--	--	SM 2120 B
pH - Maximum	S.U.			7.91				7.47		15	--	--	SM 2120 B
Fecal Coliform	#/100 ml	2622		2622		2622.0		2622.0		1	0	10	SM 9222 D
Oil and Grease	mg/l	4	0.7	4	0.7	4.0	0.7	4.0	0.7	1	0	5	EPA 1664 B
TRC	mg/l	0.5		0.5		0.50		0.50		1	0	0.1	--
Total Phosphorus	mg/l	3.43	0.6	3.4	0.6	3.4	0.6	3.4	0.6	1	0	0.01	EPA 200.7
TKN	mg/l	955	175.1	955	175.1	955.0	175.1	955.0	175.1	1	0	200	HACH 10242
Nitrate + Nitrite Nitrogen	mg/l	0.05	0.0	0.05	0.0	0.1	0.0	0.1	0.0	1	0	0.05	EPA 353.2
Total Dissolved Solids	mg/l	5980	1006.9	11200	5456.8	8303	2768.0	8303	2768.0	15	0	20	SM 2540 C
Color	C.U.	600		600		600		600		1	--	--	SM 2120 B
Bromide	mg/l	1.0	0.2	1.0	0.2	1.0	0.2	1.0	0.2	1	1	2	EPA 300.0
Chloride	mg/l	2930	501.3	5610	2668.7	4164	1376.6	4164	1376.6	15	0	5	EPA 300.0
Sulfate	mg/l	18	2.2	83.1	46.1	35	13.4	35	13.4	15	5	20	EPA 300.0
Sulfide	mg/l	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	1	0	0.1	SM 4500-S2-D
Surfactants	mg/l	1.0	0.2	1.0	0.2	1.0	0.2	1.0	0.2	1	1	2.5	SM 54540 C
Fluoride	mg/l	1.0	0.1	15.4	8.5	2.7	1.3	2.7	1.3	15	13	1	EPA 300.0
Total Hardness	mg/l	1240	227.3	1240	227.3	1240	227.3	1240	227.3	1	0	10	EPA 200.7

Notes:

1. RED text indicates one or more results were "Non-Detect"

**ANALYTICAL RESULTS TABLES  
POLLUTANT GROUP 2**

**APPLICANT NAME** Westmoreland Sanitary Landfill, LLC

**Treatment Facility Influent Sampling Results**

Pollutant Group 2 Parameters	Units	Concentration / Mass Present								No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
		Min Daily		Max Daily		Avg Monthly		Long-Term Avg					
		Conc	lbs/day	Conc	lbs/day	Conc	lbs/day	Conc	lbs/day				
Aluminum, total	ug/l	86.5	0.0	86.5	0.0	87	0.0	87	0.0	1	0	10	EPA 200.8
Antimony, total	ug/l	3.5	0.0	100	0.1	89.3	0.0	89.3	0.0	15	14	1	EPA 200.8
Arsenic, total	ug/l	60	0.0	400	0.1	108.1	0.0	108.1	0.0	15	0	1	EPA 200.8
Barium, total	ug/l	2630	0.4	6380	3.0	4236	1.5	4236	1.5	15	0	500	EPA 200.8
Beryllium, total	ug/l	0.5	0.0	4	0.0	3.6	0.0	3.6	0.0	15	15	1	EPA 200.8
Boron, total	ug/l	7710	1.4	7710	1.4	7710	1.4	7710	1.4	1	0	50	EPA 200.7
Cadmium, total	ug/l	0.1	0.0	5	0.0	4.5	0.0	4.5	0.0	15	15	0.2	EPA 200.8
Chromium, total	ug/l	20	0.0	60	0.0	44.5	0.0	44.5	0.0	15	0	1	EPA 200.8
Chromium, Hexavalent	ug/l	0.5	0.0	0.5	0.0	1	0.0	1	0.0	1	1	1	USGS I-1230-85
Cobalt, total	ug/l	20	0.0	30	0.0	25	0.0	25	0.0	15	0	0.5	EPA 200.8
Copper, total	ug/l	10	0.0	12.4	0.0	10	0.0	10	0.0	15	13	1	EPA 200.8
Cyanide, total	ug/l	10	0.0	10	0.0	10	0.0	10	0.0	1	1	20	ASTM D-7511-12
Iron, total	ug/l	4340	0.7	62400	41.4	20226	9.0	20226	9.0	15	0	50	EPA 200.7
Iron, dissolved	ug/l	2860	0.5	2860	0.5	2860	0.5	2860	0.5	1	0	50	EPA 200.7
Lead, total	ug/l	1.2	0.0	20	0.0	17.9	0.0	17.9	0.0	15	14	1	EPA 200.8
Manganese, total	ug/l	980	0.2	12300	8.2	3132	1.5	3132	1.5	15	0	20	EPA 200.8
Mercury, total	ug/l	0.1	0.0	0.2	0.0	0.2	0.0	0.2	0.0	15	15	0.2	SM 3112 B
Molybdenum, total	ug/l	5.2	0.0	5.2	0.0	5.2	0.0	5.2	0.0	1	0	1	EPA 200.8
Nickel, total	ug/l	70	0.0	112	0.1	88	0.0	88	0.0	15	0	2.5	EPA 200.8
Phenols, total	ug/l	0.02	0.0	56	0.0	6	0.0	6	0.0	15	7	50	EPA 420.4
Selenium, total	ug/l	2.4	0.0	20	0.0	18.0	0.0	18.0	0.0	15	13	1	EPA 200.8
Silver, total	ug/l	0.1	0.0	10	0.0	8.9	0.0	8.9	0.0	15	14	0.2	EPA 200.8
Thallium, total	ug/l	0.1	0.0	20	0.0	17.8	0.0	17.8	0.0	15	15	0.2	EPA 200.8
Zinc, total	ug/l	30	0.0	4730	2.7	1322	0.6	1322	0.6	15	0	5	EPA 200.8

Notes:

1. RED text indicates one or more results were "Non-Detect"

**ANALYTICAL RESULTS TABLES  
POLLUTANT GROUP 3**

APPLICANT NAME		Westmoreland Sanitary Landfill, LLC											
Treatment Facility Influent Sampling Results													
Pollutant Group 3 Parameters	Units	Concentration / Mass Present								No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
		Min Daily		Max Daily		Avg Monthly		Long-Term Avg					
		Conc	lbs/day	Conc	lbs/day	Conc	lbs/day	Conc	lbs/day				
Acrolein	ug/l	2	0.0	2	0.0	2	0.0	2	0.0	1	1	5.00	EPA 624.1
Acrylonitrile	ug/l	0.5	0.0	5	0.0	4.5	0.0	4.5	0.0	15	15	1.00	EPA 624.1
Benzene	ug/l	4.6	0.0	5	0.0	5.0	0.0	5.0	0.0	15	14	0.50	EPA 624.1
Bromoform	ug/l	0.5	0.0	5	0.0	4.5	0.0	4.5	0.0	15	15	1.00	EPA 624.1
Carbon Tetrachloride	ug/l	0.2	0.0	5	0.0	4.5	0.0	4.5	0.0	15	15	0.50	EPA 624.1
Chlorobenzene	ug/l	1.1	0.0	5	0.0	4.6	0.0	4.6	0.0	15	14	0.50	EPA 624.1
Chlorodibromomethane	ug/l	0.4	0.0	5	0.0	4.5	0.0	4.5	0.0	15	15	1.00	EPA 624.1
Chloroethane	ug/l	0.3	0.0	5	0.0	4.5	0.0	4.5	0.0	15	14	0.50	EPA 624.1
2-Chloroethylvinyl Ether	ug/l	0.5	0.0	0.5	0.0	0.5	0.0	0.5	0.0	1	1	1.00	EPA 624.1
Chloroform	ug/l	0.2	0.0	5	0.0	4.5	0.0	4.5	0.0	15	15	0.50	EPA 624.1
Dichlorobromomethane	ug/l	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	1	1	0.50	EPA 624.1
1,1-Dichloroethane	ug/l	0.2	0.0	5	0.0	4.5	0.0	4.5	0.0	15	14	0.50	EPA 624.1
1,2-Dichloroethane	ug/l	0.9	0.0	5	0.0	4.5	0.0	4.5	0.0	15	14	0.50	EPA 624.1
1,1-Dichloroethene	ug/l	0.2	0.0	5	0.0	4.5	0.0	4.5	0.0	15	15	0.50	EPA 624.1
1,2-Dichloropropane	ug/l	0.2	0.0	5	0.0	4.5	0.0	4.5	0.0	15	15	0.50	EPA 624.1
1,3-Dichloropropylene	ug/l	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	1	1	0.50	EPA 624.1
1,4-Dioxane	ug/l	37.4	0.0	37.4	0.0	37.4	0.0	37.4	0.0	1	0	5.00	EPA 625.1
Ethylbenzene	ug/l	8.7	0.0	68.8	0.0	20.1	0.0	20.1	0.0	15	0	0.50	EPA 624.1
Methyl Bromide	ug/l	1	0.0	5	0.0	4.6	0.0	4.6	0.0	15	14	1.00	EPA 624.1
Methyl Chloride	ug/l	3.8	0.0	5	0.0	4.9	0.0	4.9	0.0	15	14	0.50	EPA 624.1
Methylene Chloride	ug/l	0.4	0.0	9.5	0.0	5.1	0.0	5.1	0.0	15	13	0.50	EPA 624.1
1,1,2,2-Tetrachloroethane	ug/l	0.2	0.0	5	0.0	4.5	0.0	4.5	0.0	15	15	0.50	EPA 624.1
Tetrachloroethylene	ug/l	0.4	0.0	5	0.0	4.5	0.0	4.5	0.0	15	15	0.50	EPA 624.1
Toluene	ug/l	5	0.0	94.1	0.1	21.2	0.0	21.2	0.0	15	5	0.50	EPA 624.1
1,2-Trans-dichloroethene	ug/l	0.5	0.0	5	0.0	4.5	0.0	4.5	0.0	15	15	1.00	EPA 624.1
1,1,1-Trichloroethane	ug/l	0.2	0.0	5	0.0	4.5	0.0	4.5	0.0	15	15	0.50	EPA 624.1
1,1,2-Trichloroethane	ug/l	0.5	0.0	5	0.0	4.5	0.0	4.5	0.0	15	15	1.00	EPA 624.1
Trichloroethene	ug/l	0.2	0.0	5	0.0	4.5	0.0	4.5	0.0	15	15	0.50	EPA 624.1
Vinyl Chloride	ug/l	0.4	0.0	4.4	0.0	2.1	0.0	2.1	0.0	15	13	0.50	EPA 624.1

Notes:

1. RED text indicates one or more results were "Non-Detect"

**ANALYTICAL RESULTS TABLES  
POLLUTANT GROUP 4**

APPLICANT NAME		Westmoreland Sanitary Landfill, LLC											
Treatment Facility Influent Sampling Results													
Pollutant Group 4 Parameters	Units	Concentration / Mass Present								No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
		Min Daily		Max Daily		Avg Monthly		Long-Term Avg					
		Conc	lbs/day	Conc	lbs/day	Conc	lbs/day	Conc	lbs/day				
2-Chlorophenol	ug/l	5	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	1	12.5	EPA 625.1
2,4-Dichlorophenol	ug/l	5	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	1	12.5	EPA 625.1
2,4-Dimethylphenol	ug/l	10	0.0	10.0	0.0	10.0	0.0	10.0	0.0	1	0	12.5	EPA 625.1
4,6-Dinitro-o-Cresol	ug/l	25	0.0	25.0	0.0	25.0	0.0	25.0	0.0	1	1	50	EPA 625.1
2,4-Dinitrophenol	ug/l	25	0.0	25.0	0.0	25.0	0.0	25.0	0.0	1	1	50	EPA 625.1
2-Nitrophenol	ug/l	12.5	0.0	12.5	0.0	12.5	0.0	12.5	0.0	1	1	25	EPA 625.1
4-Nitrophenol	ug/l	12.5	0.0	12.5	0.0	12.5	0.0	12.5	0.0	1	1	25	EPA 625.1
P-Chloro-m-Cresol	ug/l	5	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	1	10	EPA 625.1
Pentachlorophenol	ug/l	12.5	0.0	12.5	0.0	12.5	0.0	12.5	0.0	1	1	25	EPA 625.1
Phenol	ug/l	6.9	0.0	6.9	0.0	6.9	0.0	6.9	0.0	1	0	12.5	EPA 625.1
2,4,6-Trichlorophenol	ug/l	5	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	1	12.5	EPA 625.1

Notes:

1. RED text indicates one or more results were "Non-Detect"

**ANALYTICAL RESULTS TABLES  
POLLUTANT GROUP 5**

**APPLICANT NAME** Westmoreland Sanitary Landfill, LLC

**Treatment Facility Influent Sampling Results**

Pollutant Group 5 Parameters	Units	Concentration / Mass Present								No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
		Min Daily		Max Daily		Avg Monthly		Long-Term Avg					
		Conc	lbs/day	Conc	lbs/day	Conc	lbs/day	Conc	lbs/day				
Acenaphthene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Acenaphthylene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Acrylamide	ug/l	49	0.0	49	0.0	49	0.0	49	0.0	1	1	10000	EPA 8015 C
Anthracene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Benzidene	ug/l	12.5	0.0	12.5	0.0	12.5	0.0	12.5	0.0	1	1	25	EPA 625.1
Benzo(a)Anthracene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Benzo(a)Pyrene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
3,4-Benzo-fluoranthene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Benzo(ghi)Perylene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Benzo(k)Fluoranthene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Bis(2-Chloro-ethoxy)Methane	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Bis(2-Chloroethyl)Ether	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Bis(2-Chloro-isopropyl)Ether	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Bis(2-Ethylhexyl)Phthalate	ug/l	50.0	0.0	50	0.0	50	0.0	50	0.0	1	1	5	EPA 625.1
4-Bromophenyl Phenyl Ether	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Butyl Benzyl Phthalate	ug/l	20	0.0	20	0.0	20	0.0	20	0.0	1	1	50	EPA 625.1
2-Chloronaphthalene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
4-Chlorophenyl Phenyl Ether	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Chrysene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Dibenzo(a,h)Anthracene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
1,2-Dichlorobenzene	ug/l	2.5	0.0	5.0	0.0	4.7	0.0	4.7	0.0	15	15	5	EPA 625.1
1,3-Dichlorobenzene	ug/l	2.5	0.0	5.0	0.0	4.7	0.0	4.7	0.0	15	15	5	EPA 625.1
1,4-Dichlorobenzene	ug/l	2.5	0.0	5.0	0.0	4.7	0.0	4.7	0.0	15	15	5	EPA 625.1
3,3-Dichlorobenzidene	ug/l	12.5	0.0	12.5	0.0	12.5	0.0	12.5	0.0	1	1	25	EPA 625.1
Diethyl Phthalate	ug/l	25	0.0	25	0.0	25.0	0.0	25.0	0.0	1	1	50	EPA 625.1
Dimethyl Phthalate	ug/l	25	0.0	25	0.0	25.0	0.0	25.0	0.0	1	1	50	EPA 625.1
Di-n-Butyl Phthalate	ug/l	25	0.0	25	0.0	25.0	0.0	25.0	0.0	1	1	50	EPA 625.1
2,4-Dinitrotoluene	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	1	12.5	EPA 625.1
2,6-Dinitrotoluene	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	1	12.5	EPA 625.1
Di-n-Octyl Phthalate	ug/l	25	0.0	25	0.0	25.0	0.0	25.0	0.0	1	1	50	EPA 625.1
1,2-Diphenylhydrazine as Azobenzene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Fluoranthene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Fluorene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Hexachlorobenzene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Hexachlorobutadiene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Hexachlorocyclopentadiene	ug/l	12.5	0.0	12.5	0.0	12.5	0.0	12.5	0.0	1	1	25	EPA 625.1
Hexachloroethane	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Ideno(1,2,3-cd)Pyrene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Isophorone	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	1	12.5	EPA 625.1

**ANALYTICAL RESULTS TABLES  
POLLUTANT GROUP 5**

**APPLICANT NAME** Westmoreland Sanitary Landfill, LLC

**Treatment Facility Influent Sampling Results**

Pollutant Group 5 Parameters	Units	Concentration / Mass Present								No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
		Min Daily		Max Daily		Avg Monthly		Long-Term Avg					
		Conc	lbs/day	Conc	lbs/day	Conc	lbs/day	Conc	lbs/day				
Napthalene	ug/l	9.2	0.0	9.2	0.0	9.2	0.0	9.2	0.0	1	0	5	EPA 625.1
Nitrobenzene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
N-Nitroso-di-methylamine	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
N-Nitroso-di-n-propylamine	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
N-Nitroso-di-n-phenylamine	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
Phenanthrene	ug/l	3.5	0.0	3.5	0.0	3.5	0.0	3.5	0.0	1	0	5	EPA 625.1
Pyrene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1
1,2,4-Trichlorobenzene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	1	5	EPA 625.1

Notes:

1. RED text indicates one or more results were "Non-Detect"

**ANALYTICAL RESULTS TABLES  
POLLUTANT GROUP 6**

APPLICANT NAME		Westmoreland Sanitary Landfill, LLC											
Treatment Facility Influent Sampling Results													
Pollutant Group 6 Parameters	Units	Concentration / Mass Present								No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
		Min Daily		Max Daily		Avg Monthly		Long-Term Avg					
		Conc	lbs/day	Conc	lbs/day	Conc	lbs/day	Conc	lbs/day				
Aldrin	ug/l	0.02	0.0	0.02	0.0	0.020	0.0	0.020	0.0	1	1	0.051	EPA 608.3
Alpha BHC	ug/l	0.01	0.0	0.01	0.0	0.010	0.0	0.010	0.0	1	1	0.051	EPA 608.3
Beta BHC	ug/l	0.020	0.0	0.02	0.0	0.020	0.0	0.020	0.0	1	1	0.051	EPA 608.3
Gamma BHC	ug/l	0.02	0.0	0.02	0.0	0.020	0.0	0.020	0.0	1	1	0.051	EPA 608.3
Delta BHC	ug/l	0.02	0.0	0.02	0.0	0.020	0.0	0.020	0.0	1	1	0.051	EPA 608.3
Chlordane	ug/l	0.51	0.0	0.51	0.0	0.51	0.0	0.51	0.0	1	1	1	EPA 608.3
4,4-DDT	ug/l	0.02	0.0	0.02	0.0	0.020	0.0	0.020	0.0	1	1	0.051	EPA 608.3
4,4-DDE	ug/l	0.02	0.0	0.02	0.0	0.02	0.0	0.02	0.0	1	1	0.051	EPA 608.3
4,4-DDD	ug/l	0.02	0.0	0.02	0.0	0.020	0.0	0.020	0.0	1	1	0.051	EPA 608.3
Dieldrin	ug/l	0.02	0.0	0.02	0.0	0.020	0.0	0.020	0.0	1	1	0.051	EPA 608.3
Alpha-Endosulfan	ug/l	0.02	0.0	0.02	0.0	0.020	0.0	0.020	0.0	1	1	0.051	EPA 608.3
Beta-Endosulfan	ug/l	0.02	0.0	0.02	0.0	0.020	0.0	0.020	0.0	1	1	0.051	EPA 608.3
Endosulfan Sulfate	ug/l	0.02	0.0	0.02	0.0	0.020	0.0	0.020	0.0	1	1	0.051	EPA 608.3
Endrin	ug/l	0.020	0.0	0.02	0.0	0.020	0.0	0.020	0.0	1	1	0.051	EPA 608.3
Endrin Aldehyde	ug/l	0.02	0.0	0.02	0.0	0.020	0.0	0.020	0.0	1	1	0.051	EPA 608.3
Heptachlor	ug/l	0.01	0.0	0.01	0.0	0.010	0.0	0.010	0.0	1	1	0.051	EPA 608.3
Heptachlor Epoxide	ug/l	0.02	0.0	0.02	0.0	0.020	0.0	0.020	0.0	1	1	0.051	EPA 608.3
PCB-1242	ug/l	0.1	0.0	0.081	0.0	0.1	0.0	0.1	0.0	1	1	0.4	EPA 608.3
PCB-1254	ug/l	0.1	0.0	0.081	0.0	0.1	0.0	0.1	0.0	1	1	0.4	EPA 608.3
PCB-1221	ug/l	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	1	1	0.4	EPA 608.3
PCB-1232	ug/l	0.2	0.0	0.16	0.0	0.2	0.0	0.2	0.0	1	1	0.4	EPA 608.3
PCB-1248	ug/l	0.2	0.0	0.16	0.0	0.2	0.0	0.2	0.0	1	1	0.4	EPA 608.3
PCB-1260	ug/l	0.2	0.0	0.24	0.0	0.2	0.0	0.2	0.0	1	1	0.4	EPA 608.3
PCB-1016	ug/l	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	1	1	0.4	EPA 608.3
Toxaphene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	2	EPA 608.3

Notes:

1. RED text indicates one or more results were "Non-Detect"

**ANALYTICAL RESULTS TABLES  
POLLUTANT GROUP 7**

APPLICANT NAME		Westmoreland Sanitary Landfill, LLC											
Treatment Facility Influent Sampling Results													
Pollutant Group 7 Parameters	Units	Concentration / Mass Present								No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
		Min Daily		Max Daily		Avg Monthly		Long-Term Avg					
		Conc	lbs/day	Conc	lbs/day	Conc	lbs/day	Conc	lbs/day				
Gross Alpha	pCi/L	5.76 ± 26.3	N/A	5.76 ± 26.3	N/A	5.76 ± 26.3	N/A	5.76 ± 26.3	N/A	1	0	50.7	EPA 900.0
Beta, Total	pCi/L	387 ± 73.3	N/A	387 ± 73.3	N/A	387 ± 73.3	N/A	387 ± 73.3	N/A	1	0	20.5	EPA 900.0
Radium 226/228	pCi/L	21.23 ± 11.87	N/A	21.23 ± 11.87	N/A	21.23 ± 11.87	N/A	21.23 ± 11.87	N/A	1	0	11.1	EPA 903.1 / 904.0
Strontium, Total	ug/l	3560.0	0.7	3560.0	0.7	3560.0	0.7	3560.0	0.7	1	1	10	EPA 200.7
Uranium, Total	ug/l	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1	0	1	EPA 200.8
Osmotic Pressure	mOsm/kg	430.0	N/A	430.0	N/A	430.0	N/A	430.0	N/A	1	0	200	PA-DEP 391-20000
<b>Additional Parameters</b>													
Alkalinity	mg/L	1850.0	0.3	2840.0	787.2	2286.3	99.1	2286.3	99.1	14	0	10	ASTM D1067-11
Bicarbonate	mg/L	1840.0	0.3	2820.0	781.7	2280.0	98.4	2280.0	98.4	14	0	10	SM 4500-CO2 D
Calcium	mg/L	164.0	0.0	1840.0	57.1	443.1	9.8	443.1	9.8	15	0	1	EPA 200.7
Magnesium	mg/L	114.0	0.0	214.0	56.3	160.6	10.4	160.6	10.4	15	0	1	EPA 200.7
Potassium	mg/L	279.0	0.0	493.0	136.7	386.8	17.2	386.8	17.2	14	0	1	EPA 200.7
Specific Conductance	micromhos/cm	11200.0	N/A	20300.0	N/A	15250.0	N/A	15250.0	N/A	14	0	5	EPA 120.1
Sodium	mg/L	1360.0	0.2	2470.0	684.6	1896.3	86.2	1896.3	86.2	14	5	10	EPA 200.7
Nitrate-Nitrogen	mg/L	0.1	0.0	1.6	0.0	0.4	0.0	0.4	0.0	14	0	0.1	EPA 353.2
Turbidity	mg/L	34.0	0.0	290.0	41.6	140.5	5.2	140.5	5.2	14	3	10	EPA 180.1
Vanadium	µg/L	10.0	0.0	20.0	0.0	15.0	0.0	15.0	0.0	14	7	10	EPA 200.7
Acetone	µg/L	100.0	0.0	1520.0	1.0	408.8	0.2	408.8	0.2	14	13	100	EPA 8260 D
Carbon Disulfide	µg/L	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	14	3	5	EPA 8260 D
MEK	µg/L	5.0	0.0	3360.0	2.2	716.7	0.4	716.7	0.4	14	0	5	EPA 8260 D

Notes:  
1. RED text indicates one or more results were "Non-Detect"



**ANALYTICAL RESULTS TABLES  
POLLUTANT GROUP 1**

<b>APPLICANT NAME</b>		<b>Westmoreland Sanitary Landfill, LLC</b>											
<b>Outfall / IMP Number 004</b>													
<b>Pollutant Group 1 Parameters</b>	<b>Units</b>	<b>Concentration / Mass Present</b>								<b>No. Analyses</b>	<b>No. "Non-Detect"</b>	<b>QL Used</b>	<b>Method Used</b>
		<b>Min Daily</b>		<b>Max Daily</b>		<b>Avg Monthly</b>		<b>Long-Term Avg</b>					
		<b>Conc</b>	<b>lbs/day</b>	<b>Conc</b>	<b>lbs/day</b>	<b>Conc</b>	<b>lbs/day</b>	<b>Conc</b>	<b>lbs/day</b>				
BOD <sub>5</sub>	mg/l	31	15.5	31.0	15.5	31.0	15.5	31.0	15.5	1	0	N/A	SM 5210 B
COD	mg/l	1038	519.8	1038	519.8	1038	519.8	1038	519.8	1	0	N/A	HACH 8000
TOC	mg/l	211	105.7	211	105.7	211	105.7	211	105.7	1	0	N/A	SM 5310 C-11
TSS	mg/l	20	10.0	20	10.0	20	10.0	20	10.0	1	0	N/A	SM 2540 D
Ammonia-Nitrogen	mg/l	87.0	43.6	87.0	43.6	87.0	43.6	87.0	43.6	1	0	N/A	EPA 350.1
Temperature (Winter)	°F	N/A		N/A		N/A		N/A		0	--	--	--
Temperature (Summer)	°F	N/A		N/A		N/A		N/A		0	--	--	--
pH - Minimum	S.U.	7.5						7.5		1	--	--	SM 2120 B
pH - Maximum	S.U.			7.50				7.5		1	--	--	SM 2120 B
Fecal Coliform	#/100 ml	2622		2622.0		2622.0		2622.0		1	0	N/A	SM 9222 D
Oil and Grease	mg/l	4	2.0	4.0	2.0	4.0	2.0	4.0	2.0	1	0	N/A	EPA 1664 B
TRC	mg/l	0.5		0.5		0.50		0.50		1	0	N/A	--
Total Phosphorus	mg/l	3.4	1.7	3.4	1.7	3.4	1.7	3.4	1.7	1	0	N/A	EPA 200.7
TKN	mg/l	178	89.1	178	89.1	178.0	89.1	178.0	89.1	1	0	N/A	HACH 10242
Nitrate + Nitrite Nitrogen	mg/l	777	389.1	777	389.1	777.0	389.1	777.0	389.1	1	0	N/A	EPA 353.2
Total Dissolved Solids	mg/l	6185	3097.2	6185	3097.2	6185	3097.2	6185	3097.2	1	0	N/A	SM 2540 C
Color	C.U.	600		600		600		600		--	--	N/A	SM 2120 B
Bromide	mg/l	1	0.5	1	0.5	1.0	0.5	1.0	0.5	1	0	N/A	EPA 300.0
Chloride	mg/l	4160	2083.2	4160	2083.2	4160	2083.2	4160	2083.2	1	0	N/A	EPA 300.0
Sulfate	mg/l	35	17.5	35	17.5	35	17.5	35	17.5	1	0	N/A	EPA 300.0
Sulfide	mg/l	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	1	0	N/A	SM 4500-S2-D
Surfactants	mg/l	1	0.5	1.0	0.5	1.00	0.5	1.00	0.5	1	0	N/A	SM 54540 C
Fluoride	mg/l	2.69	1.3	3	1.3	2.7	1.3	2.7	1.3	1	0	N/A	EPA 300.0
Total Hardness	mg/l	1240	620.9	1240	620.9	1240	620.9	1240	620.9	1	0	N/A	EPA 200.7

Notes:

1. RED text indicates one or more results were "Non-Detect"

**ANALYTICAL RESULTS TABLES  
POLLUTANT GROUP 2**

<b>APPLICANT NAME</b>		<b>Westmoreland Sanitary Landfill, LLC</b>											
<b>Outfall / IMP Number 004</b>													
<b>Pollutant Group 2 Parameters</b>	<b>Units</b>	<b>Concentration / Mass Present</b>								<b>No. Analyses</b>	<b>No. "Non-Detect" Results</b>	<b>QL Used</b>	<b>Method Used</b>
		<b>Min Daily</b>		<b>Max Daily</b>		<b>Avg Monthly</b>		<b>Long-Term Avg</b>					
		<b>Conc</b>	<b>lbs/day</b>	<b>Conc</b>	<b>lbs/day</b>	<b>Conc</b>	<b>lbs/day</b>	<b>Conc</b>	<b>lbs/day</b>				
Aluminum, total	ug/l	90	0.0	90.0	0.0	90	0.0	90	0.0	1	0	N/A	EPA 200.8
Antimony, total	ug/l	90.0	0.0	90.0	0.0	90.0	0.0	90.0	0.0	1	0	N/A	EPA 200.8
Arsenic, total	ug/l	76.0	0.0	76.0	0.0	76.0	0.0	76.0	0.0	1	0	N/A	EPA 200.8
Barium, total	ug/l	4250	2.1	4250.0	2.1	4250	2.1	4250	2.1	1	0	N/A	EPA 200.8
Beryllium, total	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 200.8
Boron, total	ug/l	7710	3.9	7710	3.9	7710	3.9	7710	3.9	1	0	N/A	EPA 200.7
Cadmium, total	ug/l	1.4	0.0	1.4	0.0	1.4	0.0	1.4	0.0	1	0	N/A	EPA 200.8
Chromium, total	ug/l	20.0	0.0	20.0	0.0	20.0	0.0	20.0	0.0	1	0	N/A	EPA 200.8
Chromium, Hexavalent	ug/l	1	0.0	0.5	0.0	1	0.0	1	0.0	1	0	N/A	USGS I-1230-85
Cobalt, total	ug/l	25	0.0	25.1	0.0	25	0.0	25	0.0	1	0	N/A	EPA 200.8
Copper, total	ug/l	4	0.0	4.0	0.0	4	0.0	4	0.0	1	0	N/A	EPA 200.8
Cyanide, total	ug/l	4	0.0	4.1	0.0	4	0.0	4	0.0	1	0	N/A	ASTM D-7511-12
Iron, total	ug/l	135	0.1	135	0.1	135	0.1	135	0.1	1	0	N/A	EPA 200.7
Iron, dissolved	ug/l	25	0.0	25	0.0	25	0.0	25	0.0	1	0	N/A	EPA 200.7
Lead, total	ug/l	8.0	0.0	8.0	0.0	8.0	0.0	8.0	0.0	1	0	N/A	EPA 200.8
Manganese, total	ug/l	3150	1.6	3150	1.6	3150	1.6	3150	1.6	1	0	N/A	EPA 200.8
Mercury, total	ug/l	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	1	0	N/A	SM 3112 B
Molybdenum, total	ug/l	6.0	0.0	6.0	0.0	6.0	0.0	6.0	0.0	1	0	N/A	EPA 200.8
Nickel, total	ug/l	62	0.0	62.0	0.0	62	0.0	62	0.0	1	0	N/A	EPA 200.8
Phenols, total	ug/l	2	0.0	1.5	0.0	2	0.0	2	0.0	1	0	N/A	EPA 420.4
Selenium, total	ug/l	18.0	0.0	18.0	0.0	18.0	0.0	18.0	0.0	1	0	N/A	EPA 200.8
Silver, total	ug/l	3.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0	1	0	N/A	EPA 200.8
Thallium, total	ug/l	20.0	0.0	20.0	0.0	20.0	0.0	20.0	0.0	1	0	N/A	EPA 200.8
Zinc, total	ug/l	170	0.1	170.0	0.1	170	0.1	170	0.1	1	0	N/A	EPA 200.8

Notes:

1. RED text indicates one or more results were "Non-Detect"

**ANALYTICAL RESULTS TABLES  
POLLUTANT GROUP 3**

<b>APPLICANT NAME</b>		<b>Westmoreland Sanitary Landfill, LLC</b>											
<b>Outfall / IMP Number 004</b>													
<b>Pollutant Group 3 Parameters</b>	<b>Units</b>	<b>Concentration / Mass Present</b>								<b>No. Analyses</b>	<b>No. "Non-Detect" Results</b>	<b>QL Used</b>	<b>Method Used</b>
		<b>Min Daily</b>		<b>Max Daily</b>		<b>Avg Monthly</b>		<b>Long-Term Avg</b>					
		<b>Conc</b>	<b>lbs/day</b>	<b>Conc</b>	<b>lbs/day</b>	<b>Conc</b>	<b>lbs/day</b>	<b>Conc</b>	<b>lbs/day</b>				
Acrolein	ug/l	2.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0	1	0	N/A	EPA 624.1
Acrylonitrile	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
Benzene	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
Bromoform	ug/l	5	0.0	5.0	0.0	5	0.0	5	0.0	1	0	N/A	EPA 624.1
Carbon Tetrachloride	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
Chlorobenzene	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
Chlorodibromomethane	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
Chloroethane	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
2-Chloroethylvinyl Ether	ug/l	0.5	0.0	0.5	0.0	0.5	0.0	0.5	0.0	1	0	N/A	EPA 624.1
Chloroform	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
Dichlorobromomethane	ug/l	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	1	0	N/A	EPA 624.1
1,1-Dichloroethane	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
1,2-Dichloroethane	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
1,1-Dichloroethene	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
1,2-Dichloropropane	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
1,3-Dichloropropylene	ug/l	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	1	0	N/A	EPA 624.1
1,4-Dioxane	ug/l	40.0	0.0	40.0	0.0	40.0	0.0	40.0	0.0	1	0	N/A	EPA 625.1
Ethylbenzene	ug/l	4.0	0.0	4.0	0.0	4.0	0.0	4.0	0.0	1	0	N/A	EPA 624.1
Methyl Bromide	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
Methyl Chloride	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
Methylene Chloride	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
1,1,2,2-Tetrachloroethane	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
Tetrachloroethylene	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
Toluene	ug/l	1.5	0.0	1.5	0.0	1.5	0.0	1.5	0.0	1	0	N/A	EPA 624.1
1,2-Trans-dichloroethene	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
1,1,1-Trichloroethane	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
1,1,2-Trichloroethane	ug/l	5	0.0	5.0	0.0	5	0.0	5	0.0	1	0	N/A	EPA 624.1
Trichloroethene	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 624.1
Vinyl Chloride	ug/l	2.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0	1	0	N/A	EPA 624.1

Notes:

1. **RED** text indicates one or more results were "Non-Detect"

**ANALYTICAL RESULTS TABLES  
POLLUTANT GROUP 4**

APPLICANT NAME		Westmoreland Sanitary Landfill, LLC											
Outfall / IMP Number 004													
Pollutant Group 4 Parameters	Units	Concentration / Mass Present								No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
		Min Daily		Max Daily		Avg Monthly		Long-Term Avg					
		Conc	lbs/day	Conc	lbs/day	Conc	lbs/day	Conc	lbs/day				
2-Chlorophenol	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 625.1
2,4-Dichlorophenol	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 625.1
2,4-Dimethylphenol	ug/l	10.0	0.0	10.0	0.0	10.0	0.0	10.0	0.0	1	0	N/A	EPA 625.1
4,6-Dinitro-o-Cresol	ug/l	25.0	0.0	25.0	0.0	25.0	0.0	25.0	0.0	1	0	N/A	EPA 625.1
2,4-Dinitrophenol	ug/l	25.0	0.0	25.0	0.0	25.0	0.0	25.0	0.0	1	0	N/A	EPA 625.1
2-Nitrophenol	ug/l	12.5	0.0	12.5	0.0	12.5	0.0	12.5	0.0	1	0	N/A	EPA 625.1
4-Nitrophenol	ug/l	12.5	0.0	12.5	0.0	12.5	0.0	12.5	0.0	1	0	N/A	EPA 625.1
P-Chloro-m-Cresol	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 625.1
Pentachlorophenol	ug/l	12.5	0.0	12.5	0.0	12.5	0.0	12.5	0.0	1	0	N/A	EPA 625.1
Phenol	ug/l	1.5	0.0	1.5	0.0	1.5	0.0	1.5	0.0	1	0	N/A	EPA 625.1
2,4,6-Trichlorophenol	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 625.1

Notes:

1. RED text indicates one or more results were "Non-Detect"

**ANALYTICAL RESULTS TABLES  
POLLUTANT GROUP 5**

**APPLICANT NAME** Westmoreland Sanitary Landfill, LLC

**Outfall / IMP Number** 004

Pollutant Group 5 Parameters	Units	Concentration / Mass Present								No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
		Min Daily		Max Daily		Avg Monthly		Long-Term Avg					
		Conc	lbs/day	Conc	lbs/day	Conc	lbs/day	Conc	lbs/day				
Acenaphthene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	0.0	0.0	1	0	N/A	EPA 625.1
Acenaphthylene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Acrylamide	ug/l	49	0.0	49	0.0	49.0	0.0	49	0.0	1	0	N/A	EPA 8015 C
Anthracene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Benzenidene	ug/l	12.5	0.0	12.5	0.0	12.5	0.0	12.5	0.0	1	0	N/A	EPA 625.1
Benzo(a)Anthracene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Benzo(a)Pyrene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
3,4-Benzo-fluoranthene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Benzo(ghi)Perylene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Benzo(k)Fluoranthene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Bis(2-Chloro-ethoxy)Methane	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Bis(2-Chloroethyl)Ether	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Bis(2-Chloro-isopropyl)Ether	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Bis(2-Ethylhexyl)Phthalate	ug/l	50.0	0.0	50.0	0.0	50.0	0.0	50.0	0.0	1	0	N/A	EPA 625.1
4-Bromophenyl Phenyl Ether	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Butyl Benzyl Phthalate	ug/l	20.0	0.0	20.0	0.0	20.0	0.0	20.0	0.0	1	0	N/A	EPA 625.1
2-Chloronaphthalene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
4-Chlorophenyl Phenyl Ether	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Chrysene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Dibenzo(a,h)Anthracene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
1,2-Dichlorobenzene	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 625.1
1,3-Dichlorobenzene	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 625.1
1,4-Dichlorobenzene	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 625.1
3,3-Dichlorobenzidene	ug/l	12.5	0.0	12.5	0.0	12.5	0.0	12.5	0.0	1	0	N/A	EPA 625.1
Diethyl Phthalate	ug/l	25.0	0.0	25.0	0.0	25.0	0.0	25.0	0.0	1	0	N/A	EPA 625.1
Dimethyl Phthalate	ug/l	25.0	0.0	25.0	0.0	25.0	0.0	25.0	0.0	1	0	N/A	EPA 625.1
Di-n-Butyl Phthalate	ug/l	25.0	0.0	25.0	0.0	25.0	0.0	25.0	0.0	1	0	N/A	EPA 625.1
2,4-Dinitrotoluene	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 625.1
2,6-Dinitrotoluene	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 625.1
Di-n-Octyl Phthalate	ug/l	25.0	0.0	25.0	0.0	25.0	0.0	25.0	0.0	1	0	N/A	EPA 625.1
1,2-Diphenylhydrazine as Azobenzene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Fluoranthene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Fluorene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Hexachlorobenzene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Hexachlorobutadiene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Hexachlorocyclopentadiene	ug/l	12.5	0.0	12.5	0.0	12.5	0.0	12.5	0.0	1	0	N/A	EPA 625.1
Hexachloroethane	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Ideno(1,2,3-cd)Pyrene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1

**ANALYTICAL RESULTS TABLES  
POLLUTANT GROUP 5**

**APPLICANT NAME** Westmoreland Sanitary Landfill, LLC

**Outfall / IMP Number** 004

Pollutant Group 5 Parameters	Units	Concentration / Mass Present								No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
		Min Daily		Max Daily		Avg Monthly		Long-Term Avg					
		Conc	lbs/day	Conc	lbs/day	Conc	lbs/day	Conc	lbs/day				
Isophorone	ug/l	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 625.1
Napthalene	ug/l	3.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0	1	0	N/A	EPA 625.1
Nitrobenzene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
N-Nitroso-di-methylamine	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
N-Nitroso-di-n-propylamine	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
N-Nitroso-di-n-phenylamine	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
Phenanthrene	ug/l	3.5	0.0	3.5	0.0	3.5	0.0	3.5	0.0	1	0	N/A	EPA 625.1
Pyrene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1
1,2,4-Trichlorobenzene	ug/l	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	1	0	N/A	EPA 625.1

Notes:

1. **RED** text indicates one or more results were "Non-Detect"

**ANALYTICAL RESULTS TABLES  
POLLUTANT GROUP 6**

**APPLICANT NAME** Westmoreland Sanitary Landfill, LLC

**Outfall / IMP Number** 004

Pollutant Group 6 Parameters	Units	Concentration / Mass Present								No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
		Min Daily		Max Daily		Avg Monthly		Long-Term Avg					
		Conc	lbs/day	Conc	lbs/day	Conc	lbs/day	Conc	lbs/day				
Aldrin	ug/l	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0	1	0	N/A	EPA 608.3
Alpha BHC	ug/l	0.01	0.0	0.0	0.0	0.01	0.0	0.01	0.0	1	0	N/A	EPA 608.3
Beta BHC	ug/l	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0	1	0	N/A	EPA 608.3
Gamma BHC	ug/l	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0	1	0	N/A	EPA 608.3
Delta BHC	ug/l	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0	1	0	N/A	EPA 608.3
Chlordane	ug/l	0.51	0.0	0.5	0.0	0.51	0.0	0.51	0.0	1	0	N/A	EPA 608.3
4,4-DDT	ug/l	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0	1	0	N/A	EPA 608.3
4,4-DDE	ug/l	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0	1	0	N/A	EPA 608.3
4,4-DDD	ug/l	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0	1	0	N/A	EPA 608.3
Dieldrin	ug/l	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0	1	0	N/A	EPA 608.3
Alpha-Endosulfan	ug/l	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0	1	0	N/A	EPA 608.3
Beta-Endosulfan	ug/l	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0	1	0	N/A	EPA 608.3
Endosulfan Sulfate	ug/l	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0	1	0	N/A	EPA 608.3
Endrin	ug/l	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0	1	0	N/A	EPA 608.3
Endrin Aldehyde	ug/l	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0	1	0	N/A	EPA 608.3
Heptachlor	ug/l	0.01	0.0	0.0	0.0	0.01	0.0	0.01	0.0	1	0	N/A	EPA 608.3
Heptachlor Epoxide	ug/l	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0	1	0	N/A	EPA 608.3
PCB-1242	ug/l	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	1	0	N/A	EPA 608.3
PCB-1254	ug/l	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	1	0	N/A	EPA 608.3
PCB-1221	ug/l	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	1	0	N/A	EPA 608.3
PCB-1232	ug/l	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	1	0	N/A	EPA 608.3
PCB-1248	ug/l	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	1	0	N/A	EPA 608.3
PCB-1260	ug/l	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	1	0	N/A	EPA 608.3
PCB-1016	ug/l	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	1	0	N/A	EPA 608.3
Toxaphene	ug/l	2.50	0.0	2.5	0.0	2.50	0.0	2.50	0.0	1	0	N/A	EPA 608.3

Notes:

1. **RED** text indicates one or more results were "Non-Detect"

**ANALYTICAL RESULTS TABLES  
POLLUTANT GROUP 7**

APPLICANT NAME		Westmoreland Sanitary Landfill, LLC											
Outfall / IMP Number 004													
Pollutant Group 7 Parameters	Units	Concentration / Mass Present								No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
		Min Daily		Max Daily		Avg Monthly		Long-Term Avg					
		Conc	lbs/day	Conc	lbs/day	Conc	lbs/day	Conc	lbs/day				
Gross Alpha	pCi/L	5.76 ± 26.3	N/A	5.76 ± 26.3	N/A	5.76 ± 26.3	N/A	5.76 ± 26.3	N/A	1	0	N/A	EPA 900.0
Beta, Total	pCi/L	387 ± 73.3	N/A	387 ± 73.3	N/A	387 ± 73.3	N/A	387 ± 73.3	N/A	1	0	N/A	EPA 900.0
Radium 226/228	pCi/L	21.23 ± 11.87	N/A	21.23 ± 11.87	N/A	21.23 ± 11.87	N/A	21.23 ± 11.87	N/A	1	0	N/A	EPA 903.1 / 904.0
Strontium, Total	ug/l	3560.0	1.8	3560.0	1.8	3560.0	1.8	3560.0	1.8	1	0	N/A	EPA 200.7
Uranium, Total	ug/l	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1	0	N/A	EPA 200.8
Osmotic Pressure	mOsm/kg	430.0	N/A	430.0	N/A	430.0	N/A	430.0	N/A	1	0	N/A	PA-DEP 391-20000
<b>Additional Parameters</b>													
Alkalinity	mg/L	170.0	85.1	170.0	85.1	170.0	85.1	170.0	85.1	1	0	N/A	ASTM D1067-11
Bicarbonate	mg/L	170.0	85.1	170.0	85.1	170.0	85.1	170.0	85.1	1	0	N/A	SM 4500-CO2 D
Calcium	mg/L	443.0	221.8	443.0	221.8	443.0	221.8	443.0	221.8	1	0	N/A	EPA 200.7
Magnesium	mg/L	161.0	80.6	161.0	80.6	161.0	80.6	161.0	80.6	1	0	N/A	EPA 200.7
Potassium	mg/L	390.0	195.3	390.0	195.3	390.0	195.3	390.0	195.3	1	0	N/A	EPA 200.7
Specific Conductance	micromhos/cm	11440.0	N/A	11440.0	N/A	11440.0	N/A	11440.0	N/A	1	0	N/A	EPA 120.1
Sodium	mg/L	1900.0	951.5	1900.0	951.5	1900.0	951.5	1900.0	951.5	1	0	N/A	EPA 200.7
Nitrate-Nitrogen	mg/L	777.0	389.1	777.0	389.1	777.0	389.1	777.0	389.1	1	0	N/A	EPA 353.2
Turbidity	mg/L	140.5	70.4	140.5	70.4	140.5	70.4	140.5	70.4	1	0	N/A	EPA 180.1
Vanadium	µg/L	15.0	0.0	15.0	0.0	15.0	0.0	15.0	0.0	1	0	N/A	EPA 200.7
Acetone	µg/L	410.0	0.2	410.0	0.2	410.0	0.2	410.0	0.2	1	0	N/A	EPA 8260 D
Carbon Disulfide	µg/L	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	1	0	N/A	EPA 8260 D
MEK	µg/L	720.0	0.4	720.0	0.4	720.0	0.4	720.0	0.4	1	0	N/A	EPA 8260 D

Notes:

1. RED text indicates one or more results were "Non-Detect"