Plains Marketing L.P., Yorktown
VPDES Permit VA0003018
Attachment 2F.VII.A-C

Pollutant and CAS Number (if available)				Maximum Values (Include Units)						Average Values (Include Units)				
								Units		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Units	Number of Storm Events Sampled	Sources of Pollutants
Field Measurements														Natural background, process waste water and process area drainage.
Flow Average (24 Hours)					70000		N/A	gal/day		N/A	N/A	N/A	1	
Flow Maximum					71400		N/A	gal/day		N/A	N/A	N/A	1	
	Presence (P, S, N)	Take Sample (Y/N)	CAS Number	Concentration		Mass		Concentration	Mass					
GC/MS Volatiles														
Acrolein	S	Y	107-02-8											
Benzene	S	Y	71-43-2					ug/l	lbs.	N/A	N/A	ug/l	1	
Bromodichloromethane	N	N	75-27-4					ug/l	lbs.	N/A	N/A	ug/l	1	
Bromoform	N	N	75-25-2					ug/l	lbs.	N/A	N/A	ug/l	1	
Bromomethane	N	N	74-83-9					ug/l	lbs.	N/A	N/A	ug/l	1	
Carbon Disulfide	N	N	75-15-0					ug/l	lbs.			ug/l	1	
Carbon Tetrachloride	N	N	56-23-5					ug/l	lbs.			ug/l	1	
Chlorobenzene	N	N	108-90-7					ug/l	lbs.			ug/l	1	
Chloroethane	N	N	75-00-3					ug/l	lbs.			ug/l	1	
Chloroform	N	N	67-66-3					ug/l	lbs.			ug/l	1	
Chloromethane	N	N	74-87-3					ug/l	lbs.			ug/l	1	
Dibromochloromethane	N	N	124-48-1					ug/l	lbs.			ug/l	1	
1,1-Dichloroethane	N	N	75-34-3					ug/l	lbs.			ug/l	1	
1,2-Dichloroethane	N	N	107-06-2					ug/l	lbs.			ug/l	1	
1,1-Dichloroethene	N	N	75-35-4					ug/l	lbs.			ug/l	1	
trans-1,2-Dichloroethene	N	N	156-60-5					ug/l	lbs.			ug/l	1	
1,2-Dichloropropane	N	N	78-87-5					ug/l	lbs.			ug/l	1	
1,3-Dichloropropene	N	N	10061-01-5					ug/l	lbs.			ug/l	1	
Ethylbenzene	S	Y	100-41-4					ug/l	lbs.			ug/l	1	
Methylene Chloride	N	N	75-09-2					ug/l	lbs.			ug/l	1	
Styrene	N	N	100-42-5					ug/l	lbs.			ug/l	1	
1,1,2,2-Tetrachloroethane	N	N	79-34-5					ug/l	lbs.			ug/l	1	
Tetrachloroethene	N	N	127-18-4					ug/l	lbs.			ug/l	1	
Toluene	S	Y	108-88-3					ug/l	lbs.			ug/l	1	
1,1,1-Trichloroethane	N	N	71-55-6					ug/l	lbs.			ug/l	1	
1,1,2-Trichloroethane	N	N	79-00-5					ug/l	lbs.			ug/l	1	
Trichloroethene	P	Y	79-01-6					ug/l	lbs.			ug/l	1	
Vinyl Chloride	N	N	75-01-4					ug/l	lbs.			ug/l	1	
Xylene (Total)	S	Y	1330-20-7					ug/l	lbs.			ug/l	1	
GC/MS Semivolatiles														
Acenaphthene	N	N	83-32-9					ug/l	lbs.			ug/l	1	
Acenaphthylene	N	N	208-96-8					ug/l	lbs.			ug/l	1	
Anthracene	N	N	120-12-7					ug/l	lbs.			ug/l	1	
Benzidine	N	N	92-87-5					ug/l	lbs.			ug/l	1	
Benzo(a)anthracene	N	N	56-55-3					ug/l	lbs.			ug/l	1	
Benzo(a)pyrene	N	N	50-32-8					ug/l	lbs.			ug/l	1	
Benzo(b)fluoranthene	N	N	205-99-2					ug/l	lbs.			ug/l	1	
Benzo(g,h,i)perylene	N	N	191-24-2					ug/l	lbs.			ug/l	1	

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								Units		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Units	Number of Storm Events Sampled	Sources of Pollutants
Benzo(k)fluoranthene	N	N	207-08-9					ug/l	lbs.			ug/l	1	
4-Bromophenyl-phenylether	N	N	101-55-3					ug/l	lbs.			ug/l	1	
Butylbenzylphthalate	N	N	85-68-7					ug/l	lbs.			ug/l	1	
Di-n-butylphthalate	N	N	84-74-2					ug/l	lbs.			ug/l	1	
4-Chloro-3-methylphenol	N	N	59-50-7					ug/l	lbs.			ug/l	1	
bis(2-Chloroethoxy)methane	N	N	111-91-1					ug/l	lbs.			ug/l	1	
bis(2-Chloroethyl)ether	N	N	111-44-4					ug/l	lbs.			ug/l	1	
bis(2-Chloroisopropyl)ether	N	N	39638-32-9					ug/l	lbs.			ug/l	1	
2-Chloronaphthalene	N	N	91-58-7					ug/l	lbs.			ug/l	1	
2-Chlorophenol	N	N	95-57-8					ug/l	lbs.			ug/l	1	
4-Chlorophenyl-phenylether	N	N	7005-72-3					ug/l	lbs.			ug/l	1	
Chrysene	N	N	218-01-9					ug/l	lbs.			ug/l	1	
Dibenz(a,h)anthracene	N	N	53-70-3					ug/l	lbs.			ug/l	1	
1,2-Dichlorobenzene	N	N	95-50-1					ug/l	lbs.			ug/l	1	
1,3-Dichlorobenzene	N	N	541-73-1					ug/l	lbs.			ug/l	1	
1,4-Dichlorobenzene	N	N	106-46-7					ug/l	lbs.			ug/l	1	
3,3'-Dichlorobenzidine	N	N	91-94-1					ug/l	lbs.			ug/l	1	
2,4-Dichlorophenol	N	N	120-83-2					ug/l	lbs.			ug/l	1	
Diethylphthalate	N	N	84-66-2					ug/l	lbs.			ug/l	1	
2,4-Dimethylphenol	N	N	105-67-9					ug/l	lbs.			ug/l	1	
Dimethylphthalate	N	N	131-11-3					ug/l	lbs.			ug/l	1	
4,6-Dinitro-2-methylphenol	N	N	534-52-1					ug/l	lbs.			ug/l	1	
2,4-Dinitrophenol	N	N	51-28-5					ug/l	lbs.			ug/l	1	
2,4-Dinitrotoluene	N	N	121-14-2					ug/l	lbs.			ug/l	1	
2,6-Dinitrotoluene	N	N	606-20-2					ug/l	lbs.			ug/l	1	
1,2-Diphenylhydrazine	N	N	122-66-7					ug/l	lbs.			ug/l	1	
bis(2-Ethylhexyl)phthalate	N	N	117-81-7					ug/l	lbs.			ug/l	1	
Fluoranthene	N	N	206-44-0					ug/l	lbs.			ug/l	1	
Fluorene	N	N	86-73-7					ug/l	lbs.			ug/l	1	
Hexachlorobenzene	N	N	118-74-1					ug/l	lbs.			ug/l	1	
Hexachlorobutadiene	N	N	87-68-3					ug/l	lbs.			ug/l	1	
Hexachloroethane	N	N	67-72-1					ug/l	lbs.			ug/l	1	
Indeno(1,2,3-cd)pyrene	N	N	193-39-5					ug/l	lbs.			ug/l	1	
Isophorone	N	N	78-59-1					ug/l	lbs.			ug/l	1	
Naphthalene	S	Y	91-20-3					ug/l	lbs.			ug/l	1	
Nitrobenzene	N	N	98-95-3					ug/l	lbs.			ug/l	1	
2-Nitrophenol	N	N	88-75-5					ug/l	lbs.			ug/l	1	
4-Nitrophenol	N	N	100-02-7					ug/l	lbs.			ug/l	1	
N-Nitrosodimethylamine	N	N	62-75-9					ug/l	lbs.			ug/l	1	
N-Nitroso-di-n-propylamine	N	N	621-64-7					ug/l	lbs.			ug/l	1	
N-Nitrosodiphenylamine	N	N	86-30-6					ug/l	lbs.			ug/l	1	
Di-n-octylphthalate	N	N	117-84-0					ug/l	lbs.			ug/l	1	
Pentachlorophenol	N	N	87-86-5					ug/l	lbs.			ug/l	1	
Phenanthrene	N	N	85-01-8					ug/l	lbs.			ug/l	1	
Phenol	S	Y	108-95-2					ug/l	lbs.			ug/l	1	
Pyrene	N	N	129-00-0					ug/l	lbs.			ug/l	1	
1,2,4-Trichlorobenzene	N	N	120-82-1					ug/l	lbs.			ug/l	1	

Pollutant and CAS Number (if available)				Maximum Values (Include Units)						Average Values (Include Units)				Sources of Pollutants
								Units		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Units	Number of Storm Events Sampled	
2,4,6-Trichlorophenol	N	N	88-06-2					ug/l	lbs.			ug/l	1	
GC/MS Semivolatiles														
Aldrin	N	N	309-00-2					ug/l	lbs.			ug/l	1	
Alpha BHC	N	N	319-84-6					ug/l	lbs.			ug/l	1	
Beta BHC	N	N	319-85-7					ug/l	lbs.			ug/l	1	
Gamma BHC - Lindane	N	N	58-89-9					ug/l	lbs.			ug/l	1	
Chlordane	N	N	57-74-9					ug/l	lbs.			ug/l	1	
p,p-DDD	N	N	72-54-8					ug/l	lbs.			ug/l	1	
p,p-DDE	N	N	72-55-9					ug/l	lbs.			ug/l	1	
p,p-DDT	N	N	50-29-3					ug/l	lbs.			ug/l	1	
Delta BHC	N	N	319-86-8					ug/l	lbs.			ug/l	1	
Dieldrin	N	N	60-57-1					ug/l	lbs.			ug/l	1	
Endosulfan I	N	N	959-98-8					ug/l	lbs.			ug/l	1	
Endosulfan II	N	N	33213-65-9					ug/l	lbs.			ug/l	1	
Endosulfan Sulfate	N	N	1031-07-8					ug/l	lbs.			ug/l	1	
Endrin	N	N	72-20-8					ug/l	lbs.			ug/l	1	
Endrin Aldehyde	N	N	7421-93-4					ug/l	lbs.			ug/l	1	
Heptachlor	N	N	76-44-8					ug/l	lbs.			ug/l	1	
Heptachlor Epoxide	N	N	1024-57-3					ug/l	lbs.			ug/l	1	
Methoxychlor	N	N	72-43-5					ug/l	lbs.			ug/l	1	
Toxaphene	N	N	8001-35-2					ug/l	lbs.			ug/l	1	
Pesticides/PCBs														
PCB-1016	N	N	12674-11-2					ug/l	lbs.			ug/l	1	
PCB-1221	N	N	11104-28-2					ug/l	lbs.			ug/l	1	
PCB-1232	N	N	11141-16-5					ug/l	lbs.			ug/l	1	
PCB-1242	N	N	53469-21-9					ug/l	lbs.			ug/l	1	
PCB-1248	N	N	12672-29-6					ug/l	lbs.			ug/l	1	
PCB-1254	N	N	11097-69-1					ug/l	lbs.			ug/l	1	
PCB-1260	N	N	11096-82-5					ug/l	lbs.			ug/l	1	
Metals														
Aluminum, Total	N	N	7429-90-5					mg/l	lbs.			mg/l	1	
Antimony	N	N	7440-36-0					mg/l	lbs.			mg/l	1	
Arsenic	S	Y	7440-38-2					mg/l	lbs.			mg/l	1	
Barium, Total	N	N	7440-39-3					mg/l	lbs.			mg/l	1	
Beryllium	N	N	7440-41-7					mg/l	lbs.			mg/l	1	
Boron, Total	N	Y	7440-42-8					mg/l	lbs.			mg/l	1	
Cadmium	N	Y	7440-43-9					mg/l	lbs.			mg/l	1	
Chromium	S	Y	7440-47-3					mg/l	lbs.			mg/l	1	
Cobalt, Total	N	Y	7440-48-4					mg/l	lbs.			mg/l	1	
Copper	P	Y	7440-50-8					mg/l	lbs.			mg/l	1	
Iron, Total	P	Y	7439-89-6					mg/l	lbs.			mg/l	1	
Lead	S	Y	7439-92-1					mg/l	lbs.			mg/l	1	

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								Units		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Units	Number of Storm Events Sampled	
Magnesium, Total	S	Y	7439-95-4					mg/l	lbs.			mg/l	1	
Manganese, Total	N	N	7439-96-5					mg/l	lbs.			mg/l	1	
Molybdenum, Total	S	Y	7439-98-7					mg/l	lbs.			mg/l	1	
Nickel	S	Y	7440-02-0					mg/l	lbs.			mg/l	1	
Selenium	N	N	7782-49-2					mg/l	lbs.			mg/l	1	
Silver	N	N	7440-22-4					mg/l	lbs.			mg/l	1	
Thallium	N	N	7440-28-0					mg/l	lbs.			mg/l	1	
Tin, Total	N	N	7440-31-5					mg/l	lbs.			mg/l	1	
Titanium, Total	N	N	7440-32-6					mg/l	lbs.			mg/l	1	
Vanadium	S	Y	7440-62-2					mg/l	lbs.			mg/l	1	
Zinc	S	Y	7440-66-6					mg/l	lbs.			mg/l	1	
Mercury	N	N	7439-97-6					mg/l	lbs.			mg/l	1	
Wet Chemistry														
Ammonia	S	Y												
Bromide	S	Y	24959-67-9					mg/l	lbs.			mg/l	1	
Fluoride	N	N	16984-48-8					mg/l	lbs.			mg/l	1	
Sulfate	S	Y	14808-79-8					mg/l	lbs.			mg/l	1	
Sulfite	N	Y	14265-45-3					mg/l	lbs.			mg/l	1	
Surfactants (MBAS)	S	Y	n.a.					mg/l	lbs.			mg/l	1	
Total Cyanide (water)	N	N	57-12-5					mg/l	lbs.			mg/l	1	
Total Kjehldahl Nitrogen (TKN)	P	Y												
Phenols (water)	S	Y	n.a.					mg/l	lbs.			mg/l	1	
Nitrogen, Total Organic	P	Y	n.a.					mg/l	lbs.			mg/l	1	
Phosphorus, Total	P	Y	7723-14-0					mg/l	lbs.			mg/l	1	
HEM (oil & grease)	S	Y	n.a.					mg/l	lbs.			mg/l	1	
Chemical Oxygen Demand (COD)	P	Y	n.a.					mg/l	lbs.			mg/l	1	
Color	P	Y	n.a.					C P units	N/A			N/A	1	
Total Suspended Solids	P	Y	n.a.					mg/l	lbs.			mg/l	1	
Chlorine Residual (DPD)	N	Y	n.a.					mg/l	lbs.			mg/l	1	
pH	P	Y	n.a.					Std. Units	N/A			N/A	1	
Biochemical Oxygen Demand (BOD5)	S	Y	n.a.					mg/l	lbs.			mg/l	1	
Fecal Coliform	P	Y	n.a.					MPN/100ml	N/A			N/A	1	
Radioactivity	N	N												
Total Nitrogen	P	Y											1	
Total Phosphorus	P	Y											1	

2F Part VII-A

2F Part VII-C		
Table 2F-2		
Table 2F-3		List all pollutants in table that you have reason to believe are discharged. For these pollutants expected to be discharged in concentrations 10ppb or greater quantitative data must be submitted. For Acrolein, Acrylonitrile, 2,4-Dinitrophenol, and 2-methyl-4,6 dinitrophenol quantitative data must be submitted if pollutant is expected to be 100ppb or greater.

Pollutant and CAS Number (if available)			Maximum Values (Include Units)		Average Values (Include Units)				
				Units	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Units	Number of Storm Events Sampled	Sources of Pollutants
Table 2F-4									

VDEQ requested