APPENDICES

APPENDIX 1

HAMPTON – CLARKE VERITECH, INC.

LABORATORY CERTIFICATIONS

State of New Jersey
Department of Environmental Protection
Certifies That

Hampton - Clarke / Veritech

Laboratory Certification ID # 07071

is hereby approved as a

Nationally Accredited Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2009 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2015

Joseph F. Aiello, Manager
Office of Quality Assurance

NJDEP is a NELAP Recognized Accreditation Body

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This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

New Jersey Department of Environmental Protection

National Environmental Laboratory Accreditation Program

ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS

Effective as of 07/01/2014 until 06/30/2015

Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SDW02 -- Inorganic Parameters Including Na + Ca

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SDW02.01000	DW	Nephelometric	[EPA 180.1]	Turbidity
Applied	No	NJ	SDW02.24005	DW	Gravimetric, 103-105 Deg C, Post Washing - mining	[SM 2540 D]	Residue - nonfilterable (TSS)
Applied	No	NJ	SDW02.29500	DW	Ion Chromatography	[EPA 300.0]	Bromide

Category: SDW03 -- Analyze-Immediately Inorganic Parameter

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SDW03.08000	DW	Electrometric	[SM 4500-H B]	pH

Category: SDW04 -- Inorganic Parameters, Metals

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SDW04.34000	DW	ICP/MS	[EPA 200.8]	Copper
Certified	Yes	NJ	SDW04.40000	DW	ICP/MS	[EPA 200.8]	Lead

Category: SDW06 -- Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SDW06.01010	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Bromoform
Certified	Yes	NJ	SDW06.01020	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Chloroform
Certified	Yes	NJ	SDW06.01030	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dibromochloromethane
Certified	Yes	NJ	SDW06.01040	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Bromodichloromethane
Certified	Yes	NJ	SDW06.02010	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Benzene
Certified	Yes	NJ	SDW06.02020	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Carbon tetrachloride
Certified	Yes	NJ	SDW06.02030	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Chlorobenzene
Certified	Yes	NJ	SDW06.02040	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dichlorobenzene (1,2-)
Certified	Yes	NJ	SDW06.02050	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dichlorobenzene (1,3-)

KEY: AE = Air and Emissions, BT = Biological Tissues, DW = Drinking Water, NPW = Non-Potable Water, SCM = Solid and Chemical Materials

New Jersey Department of Environmental Protection

National Environmental Laboratory Accreditation Program

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175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SDW06 -- Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SDW06.02060	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dichlorobenzene (1,4-)
Certified	Yes	NJ	SDW06.02070	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dichloroethane (1,1-)
Certified	Yes	NJ	SDW06.02080	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dichloroethane (1,2-)
Certified	Yes	NJ	SDW06.02090	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dichloroethene (cis-1,2-)
Certified	Yes	NJ	SDW06.02100	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dichloroethene (trans-1,2-)
Certified	Yes	NJ	SDW06.02110	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Methylene chloride (Dichloromethane)
Certified	Yes	NJ	SDW06.02120	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dichloropropane (1,2-)
Certified	Yes	NJ	SDW06.02130	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Ethylbenzene
Certified	Yes	NJ	SDW06.02140	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Methyl tert-butyl ether
Certified	Yes	NJ	SDW06.02150	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Naphthalene
Certified	Yes	NJ	SDW06.02160	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Styrene
Certified	Yes	NJ	SDW06.02170	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Tetrachloroethane (1,1,2,2-)
Certified	Yes	NJ	SDW06.02180	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Tetrachloroethene
Certified	Yes	NJ	SDW06.02190	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Trichloroethane (1,1,1-)
Certified	Yes	NJ	SDW06.02200	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Trichloroethene
Certified	Yes	NJ	SDW06.02210	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Toluene
Certified	Yes	NJ	SDW06.02220	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Trichlorobenzene (1,2,4-)
Certified	Yes	NJ	SDW06.02230	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dichloroethene (1,1-)
Certified	Yes	NJ	SDW06.02240	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Trichloroethane (1,1,2-)
Certified	Yes	NJ	SDW06.02250	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Vinyl chloride
Certified	Yes	NJ	SDW06.02255	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Xylene (o-)
Certified	Yes	NJ	SDW06.02257	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Xylene (m- + p-)
Certified	Yes	NJ	SDW06.02260	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Xylenes (total)
Certified	Yes	NJ	SDW06.03010	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Bromobenzene
Certified	Yes	NJ	SDW06.03020	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Bromochloromethane
Certified	Yes	NJ	SDW06.03030	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Bromomethane
Certified	Yes	NJ	SDW06.03040	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Butyl benzene (n-)
Certified	Yes	NJ	SDW06.03050	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Sec-butylbenzene
Certified	Yes	NJ	SDW06.03060	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Tert-butylbenzene
Certified	Yes	NJ	SDW06.03070	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Chloroethane
Certified	Yes	NJ	SDW06.03080	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Chloromethane
Certified	Yes	NJ	SDW06.03090	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Chlorotoluene (2-)

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Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SDW06 – Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SDW06.03100	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Chlorotoluene (4-)
Certified	Yes	NJ	SDW06.03110	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dibromo-3-chloropropane (1,2-)
Certified	Yes	NJ	SDW06.03120	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dibromoethane (1,2-) (EDB)
Certified	Yes	NJ	SDW06.03130	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dibromomethane
Certified	Yes	NJ	SDW06.03140	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dichlorodifluoromethane
Certified	Yes	NJ	SDW06.03150	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dichloropropane (1,3-)
Certified	Yes	NJ	SDW06.03160	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dichloropropane (2,2-)
Certified	Yes	NJ	SDW06.03170	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dichloropropene (1,1-)
Certified	Yes	NJ	SDW06.03180	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dichloropropene (cis-1,3-)
Certified	Yes	NJ	SDW06.03190	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dichloropropene (trans-1,3-)
Certified	Yes	NJ	SDW06.03200	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Hexachlorobutadiene (1,3-)
Certified	Yes	NJ	SDW06.03210	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Isopropylbenzene
Certified	Yes	NJ	SDW06.03220	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Isopropyltoluene (4-)
Certified	Yes	NJ	SDW06.03230	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Propylbenzene (n-)
Certified	Yes	NJ	SDW06.03240	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Tetrachloroethane (1,1,1,2-)
Certified	Yes	NJ	SDW06.03250	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Trichlorobenzene (1,2,3-)
Certified	Yes	NJ	SDW06.03260	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Trichlorofluoromethane
Certified	Yes	NJ	SDW06.03270	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Trichloropropane (1,2,3-)
Certified	Yes	NJ	SDW06.03280	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Trimethylbenzene (1,2,4-)
Certified	Yes	NJ	SDW06.03300	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Trimethylbenzene (1,3,5-)
Certified	Yes	NJ	SDW06.03310	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Nitrobenzene
Certified	Yes	NJ	SDW06.03410	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Acetone
Certified	Yes	NJ	SDW06.03420	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Acrylonitrile
Certified	Yes	NJ	SDW06.03430	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Allyl chloride
Certified	Yes	NJ	SDW06.03440	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Butanone (2-) [Methyl ethyl ketone]
Certified	Yes	NJ	SDW06.03450	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Carbon disulfide
Certified	Yes	NJ	SDW06.03460	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Chloroacetonitrile
Certified	Yes	NJ	SDW06.03470	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Chlorobutane (1-)
Certified	Yes	NJ	SDW06.03480	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dichloro-2-butene (trans-1,4-)
Certified	Yes	NJ	SDW06.03490	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Dichloropropanone (1,1-)
Certified	Yes	NJ	SDW06.03500	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Diethyl ether (Ethyl ether)
Certified	Yes	NJ	SDW06.03510	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Ethyl methacrylate

KEY: AE = Air and Emissions, BT = Biological Tissues, DW = Drinking Water, NPW = Non-Potable Water, SCM = Solid and Chemical Materials

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Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SDW06 – Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SDW06.03515	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Hexane (n-)
Certified	Yes	NJ	SDW06.03520	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Hexachloroethane
Certified	Yes	NJ	SDW06.03530	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Hexanone (2-)
Certified	Yes	NJ	SDW06.03540	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Methacrylonitrile
Certified	Yes	NJ	SDW06.03550	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Methyl acrylate
Certified	Yes	NJ	SDW06.03560	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Methyl iodide
Certified	Yes	NJ	SDW06.03570	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Methyl methacrylate
Certified	Yes	NJ	SDW06.03580	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Pentanone (4-methyl-2-) (MIBK)
Certified	Yes	NJ	SDW06.03590	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Nitropropane (2-)
Certified	Yes	NJ	SDW06.03600	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Pentachloroethane
Certified	Yes	NJ	SDW06.03610	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Propionitrile
Certified	Yes	NJ	SDW06.03615	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Tert-butyl alcohol
Certified	Yes	NJ	SDW06.03620	DW	GC/MS, P & T or Direct Injection, Capillary	[EPA 524.2]	Tetrahydrofuran

Category: SHW03 – Analyze-Immediately Parameters

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW03.02000	NPW	Thermometric	[SM 2550 B]	Temperature

Category: SHW04 – Inorganic Parameters

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW04.01000	NPW	Acid Digestion/Surface and Groundwater, ICP, FLAA	[SW-846 3005A]	Metals, Total Rec and Dissolved
Certified	Yes	NJ	SHW04.01500	NPW	Acid Digestion/Aqueous Samples, ICP, FLAA	[SW-846 3010A]	Metals, Total
Certified	Yes	NJ	SHW04.33000	NPW	AA, Manual Cold Vapor	[SW-846 7470A]	Mercury - liquid waste

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Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SHW05 -- Organic Parameters, Prep. / Screening

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW05.01000	NPW	Separatory Funnel Extraction	[SW-846 3510C]	Semivolatile organics
Applied	No	NJ	SHW05.02000	NPW	Continuous Liquid-Liquid Extraction	[SW-846 3520C]	Semivolatile organics
Certified	Yes	NJ	SHW05.07000	NPW	Purge & Trap Aqueous	[SW-846 5030B] [SW-846 5030C]	Volatile organics

Category: SHW06 -- Organic Parameters, Chromatography

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW06.02010	NPW	Microextraction, GC, ECD	[SW-846 8011]	Dibromoethane (1,2-) (EDB)
Certified	Yes	NJ	SHW06.02020	NPW	Microextraction, GC, ECD	[SW-846 8011]	Dibromo-3-chloropropane (1,2-)
Certified	Yes	NJ	SHW06.23100	NPW	GC, Headspace, FID	[OTHER J. Chrom. Sci. RSK-175]	Ethane
Certified	Yes	NJ	SHW06.23105	NPW	GC, Headspace, FID	[OTHER J. Chrom. Sci. RSK-175]	Ethene
Certified	Yes	NJ	SHW06.23110	NPW	GC, Headspace, FID	[OTHER J. Chrom. Sci. RSK-175]	Methane
Certified	Yes	NJ	SHW06.23115	NPW	GC, Headspace, FID	[OTHER J. Chrom. Sci. RSK-175]	Propane

Category: SHW07 -- Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW07.04345	NPW	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B]	Amyl acetate (n-)
Certified	Yes	NJ	SHW07.04352	NPW	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Butyl acrylate
Certified	Yes	NJ	SHW07.04354	NPW	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Butyl methacrylate
Certified	Yes	NJ	SHW07.04365	NPW	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Ethyl acetate
Certified	Yes	NJ	SHW07.04367	NPW	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Ethyl methacrylate
Certified	Yes	NJ	SHW07.04394	NPW	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Isopropyl acetate
Certified	Yes	NJ	SHW07.07624	NPW	GC/MS/SIM	[USER DEFINED SW-846 8260C]	Dioxane (1,4-)

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175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SHW09 – Miscellaneous Parameters

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Applied	No	NJ	SHW09.10200	NPW	Aqueous, Ion-Selective Electrode	[SW-846 9215]	Sulfides
Certified	Yes	NJ	SHW09.17000	NPW	Wheatstone Bridge	[SW-846 9050A]	Specific conductance
Certified	Yes	NJ	SHW09.21000	NPW	Colorimetric, Man, 4AAP Distillation	[SW-846 9065]	Phenols

Category: WPP02 – Inorg. Parameters, Nutrients and Demands

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	WPP02.01000	NPW	Electrometric or Phenolphthalein	[SM 2310 B-11]	Acidity as CaCO3
Certified	Yes	NJ	WPP02.01500	NPW	Electrometric or Color Titration	[SM 2320 B-11]	Alkalinity as CaCO3
Dropped	No	NJ	WPP02.02000	NPW	Automated Titration	[EPA 310.2]	Alkalinity as CaCO3
Certified	Yes	NJ	WPP02.03500	NPW	Distillation, Electrode	[SM 4500-NH3 B+D or E-11]	Ammonia
Applied	No	NJ	WPP02.04000	NPW	Distillation or Gas Diffusion, Semi-automated Phenate	[SM 4500-NH3 B+G-11]	Ammonia
Certified	Yes	NJ	WPP02.05000	NPW	Dissolved Oxygen Depletion - Membrane Electrode	[SM 5210 B-11]	Biochemical oxygen demand
Certified	Yes	NJ	WPP02.06000	NPW	ICP	[EPA 200.7]	Boron
Certified	Yes	NJ	WPP02.07100	NPW	Ion Chromatography	[EPA 300.0]	Bromide
Certified	Yes	NJ	WPP02.08000	NPW	Digestion, ICP	[EPA 200.7]	Calcium
Certified	Yes	NJ	WPP02.09500	NPW	Diss. Oxygen Depl., Nitrif. Inhib. - Membrane Electrode	[SM 5210 B-11]	Carbonaceous BOD (CBOD)
Certified	Yes	NJ	WPP02.10500	NPW	Spectrophotometric Manual/Auto	[OTHER Hach 8000]	Chemical oxygen demand
Certified	Yes	NJ	WPP02.12600	NPW	Ion Chromatography	[EPA 300.0]	Chloride
Certified	Yes	NJ	WPP02.15000	NPW	Distillation, Spectrophotometric (Manual)	[SM 4500-CN B or C-11 + E-11]	Cyanide
Certified	Yes	NJ	WPP02.15500	NPW	Distillation, Spectrophotometric (Auto)	[EPA 335.4]	Cyanide
Certified	Yes	NJ	WPP02.16050	NPW	Flow Inj., Ligand Exch., Gas Diff. + Amperometry	[OTHER OIA 1677]	Cyanide - amenable to Cl2
Applied	No	NJ	WPP02.16110	NPW	Flow Injection, Gas Diffusion, Amperometry	[ASTM D7237-10]	Free Cyanide
Certified	Yes	NJ	WPP02.18100	NPW	Ion Chromatography	[EPA 300.0]	Fluoride
Certified	Yes	NJ	WPP02.20100	NPW	Ca + Mg Carbonates, ICP	[EPA 200.7]	Hardness - total as CaCO3
Certified	Yes	NJ	WPP02.24000	NPW	Digestion, ICP	[EPA 200.7]	Magnesium
Certified	Yes	NJ	WPP02.26100	NPW	Ion Chromatography	[EPA 300.0]	Nitrate

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National Environmental Laboratory Accreditation Program

ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS

Effective as of 07/01/2014 until 06/30/2015

Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: WPP02 – Inorg. Parameters, Nutrients and Demands

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	WPP02.28600	NPW	Ion Chromatography	[EPA 300.0]	Nitrite
Certified	Yes	NJ	WPP02.29150	NPW	Gravimetric, Hexane Extractable Material-SPE	[EPA 1664B]	Oil & grease - hem-SPE
Certified	Yes	NJ	WPP02.29250	NPW	Gravimetric, Silica Gel Treated-Hem-SPE	[EPA 1664B]	Oil & grease - non polar
Certified	Yes	NJ	WPP02.30000	NPW	Combustion	[SM 5310 B-11]	Total organic carbon (TOC)
Dropped	No	NJ	WPP02.31000	NPW	Ascorbic Acid, Automated	[SM 4500-P F or G-11]	Orthophosphate
Certified	Yes	NJ	WPP02.31500	NPW	Ascorbic Acid, Manual Single Reagent	[SM 4500-P E-11]	Orthophosphate
Certified	Yes	NJ	WPP02.32500	NPW	Manual Distillation, Colorimetric 4AAP, Manual	[EPA 420.1]	Phenols
Applied	No	NJ	WPP02.33000	NPW	Manual Distillation, Colorimetric Auto	[EPA 420.4]	Phenols
Certified	Yes	NJ	WPP02.34000	NPW	Persulfate Digestion + Manual	[SM 4500-P B5-11 + E-11]	Phosphorus (total)
Certified	Yes	NJ	WPP02.35000	NPW	Auto Ascorbic Acid Reduction	[SM 4500-P B5-11 + F or G or H-11]	Phosphorus (total)
Certified	Yes	NJ	WPP02.36500	NPW	Digestion, ICP	[EPA 200.7]	Potassium
Certified	Yes	NJ	WPP02.38000	NPW	Gravimetric, 103-105 Degrees C	[SM 2540 B-11]	Residue - total
Certified	Yes	NJ	WPP02.38500	NPW	Gravimetric, 180 Degrees C	[SM 2540 C-11]	Residue - filterable (TDS)
Certified	Yes	NJ	WPP02.39000	NPW	Gravimetric, 103-105 Degrees C, Post Washing	[SM 2540 D-11]	Residue - nonfilterable (TSS)
Certified	Yes	NJ	WPP02.40000	NPW	Gravimetric, 550 Degrees C	[EPA 160.4]	Residue - volatile
Certified	Yes	NJ	WPP02.40100	NPW	Gravimetric, 500 Degrees C	[SM 2540 G SM 18th Ed.]	Total, fixed, and volatile solids (SQAR)
Certified	Yes	NJ	WPP02.40500	NPW	Electrical Conductivity	[SM 2520 B]	Salinity
Certified	Yes	NJ	WPP02.44000	NPW	Digestion, ICP	[EPA 200.7]	Sodium
Certified	Yes	NJ	WPP02.45500	NPW	Wheatstone Bridge	[SM 2510 B-11]	Specific conductance
Certified	Yes	NJ	WPP02.47100	NPW	Ion Chromatography	[EPA 300.0]	Sulfate
Applied	No	NJ	WPP02.47120	NPW	Ion Selective Electrode	[SM 4500-S2 B, C + G-11]	Sulfides
Certified	Yes	NJ	WPP02.47500	NPW	Titrimetric, Iodine	[SM 4500-S E (18th ed)] [SM 4500-S B, C + F-11]	Sulfides
Certified	Yes	NJ	WPP02.50000	NPW	Nephelometric	[SM 2130 B-11]	Turbidity

Category: WPP03 – Analyze-Immediately Inorganic Parameters

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	WPP03.05000	NPW	Spectrophotometric, DPD	[SM 4500-Cl G-11]	Chlorine
Certified	Yes	NJ	WPP03.08000	NPW	Membrane Electrode	[SM 4500-O G-11]	Oxygen (dissolved)
Certified	Yes	NJ	WPP03.09000	NPW	Electrometric	[SM 4500-H B-11]	pH

KEY: AE = Air and Emissions, BT = Biological Tissues, DW = Drinking Water, NPW = Non-Potable Water, SCM = Solid and Chemical Materials

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175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: WPP03 – Analyze-Immediately Inorganic Parameters

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	WPP03.14000	NPW	Thermometric	[SM 2550 B-00]	Temperature

Category: WPP04 – Inorganic Parameters, Metals

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	WPP04.02000	NPW	Digestion, ICP	[EPA 200.7]	Aluminum
Certified	Yes	NJ	WPP04.02100	NPW	Digestion, ICP/MS	[EPA 200.8]	Aluminum
Certified	Yes	NJ	WPP04.04500	NPW	Digestion, ICP	[EPA 200.7]	Antimony
Certified	Yes	NJ	WPP04.04600	NPW	Digestion, ICP/MS	[EPA 200.8]	Antimony
Certified	Yes	NJ	WPP04.05600	NPW	Digestion, ICP	[EPA 200.7]	Arsenic
Certified	Yes	NJ	WPP04.05700	NPW	Digestion, ICP/MS	[EPA 200.8]	Arsenic
Certified	Yes	NJ	WPP04.08000	NPW	Digestion, ICP	[EPA 200.7]	Barium
Certified	Yes	NJ	WPP04.08200	NPW	Digestion, ICP/MS	[EPA 200.8]	Barium
Certified	Yes	NJ	WPP04.11000	NPW	Digestion, ICP	[EPA 200.7]	Beryllium
Certified	Yes	NJ	WPP04.11100	NPW	Digestion, ICP/MS	[EPA 200.8]	Beryllium
Certified	Yes	NJ	WPP04.13500	NPW	Digestion, ICP	[EPA 200.7]	Cadmium
Certified	Yes	NJ	WPP04.13600	NPW	ICP/MS	[EPA 200.8]	Cadmium
Certified	Yes	NJ	WPP04.15000	NPW	0.45u Filter, Colorimetric DPC	[SM 3500-Cr D (18/19th ed)] [SM 3500-Cr B-11]	Chromium (VI)
Certified	Yes	NJ	WPP04.18000	NPW	Digestion, ICP	[EPA 200.7]	Chromium
Certified	Yes	NJ	WPP04.18100	NPW	Digestion, ICP/MS	[EPA 200.8]	Chromium
Certified	Yes	NJ	WPP04.19500	NPW	Digestion, ICP	[EPA 200.7]	Cobalt
Certified	Yes	NJ	WPP04.19600	NPW	Digestion, ICP/MS	[EPA 200.8]	Cobalt
Certified	Yes	NJ	WPP04.21500	NPW	Digestion, ICP	[EPA 200.7]	Copper
Certified	Yes	NJ	WPP04.21600	NPW	Digestion, ICP/MS	[EPA 200.8]	Copper
Certified	Yes	NJ	WPP04.26500	NPW	Digestion, ICP	[EPA 200.7]	Iron
Certified	Yes	NJ	WPP04.27001	NPW	Digestion, Colorimetric (Phenanthroline)	[SM 3500-Fe B-11]	Iron, Ferrous
Certified	Yes	NJ	WPP04.28000	NPW	Digestion, ICP	[EPA 200.7]	Lead
Certified	Yes	NJ	WPP04.28100	NPW	Digestion, ICP/MS	[EPA 200.8]	Lead
Certified	Yes	NJ	WPP04.31000	NPW	Digestion, ICP	[EPA 200.7]	Manganese
Certified	Yes	NJ	WPP04.31100	NPW	Digestion, ICP/MS	[EPA 200.8]	Manganese

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175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: WPP04 – Inorganic Parameters, Metals

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	WPP04.33000	NPW	Manual Cold Vapor	[EPA 245.1]	Mercury
Certified	Yes	NJ	WPP04.35000	NPW	Digestion, ICP	[EPA 200.7]	Molybdenum
Certified	Yes	NJ	WPP04.35200	NPW	Digestion, ICP/MS	[EPA 200.8]	Molybdenum
Certified	Yes	NJ	WPP04.37500	NPW	Digestion, ICP	[EPA 200.7]	Nickel
Certified	Yes	NJ	WPP04.37600	NPW	Digestion, ICP/MS	[EPA 200.8]	Nickel
Certified	Yes	NJ	WPP04.45500	NPW	Digestion, ICP	[EPA 200.7]	Selenium
Certified	Yes	NJ	WPP04.45600	NPW	Digestion, ICP/MS	[EPA 200.8]	Selenium
Certified	Yes	NJ	WPP04.48000	NPW	Digestion, ICP	[EPA 200.7]	Silver
Certified	Yes	NJ	WPP04.48200	NPW	Digestion, ICP/MS	[EPA 200.8]	Silver
Certified	Yes	NJ	WPP04.50000	NPW	Digestion, ICP	[EPA 200.7]	Thallium
Certified	Yes	NJ	WPP04.50100	NPW	Digestion, ICP/MS	[EPA 200.8]	Thallium
Certified	Yes	NJ	WPP04.51100	NPW	Digestion, ICP	[EPA 200.7]	Tin
Certified	Yes	NJ	WPP04.52050	NPW	Digestion, ICP	[EPA 200.7]	Titanium
Certified	Yes	NJ	WPP04.54000	NPW	Digestion, ICP	[EPA 200.7]	Vanadium
Certified	Yes	NJ	WPP04.54100	NPW	Digestion, ICP/MS	[EPA 200.8]	Vanadium
Certified	Yes	NJ	WPP04.56500	NPW	Digestion, ICP	[EPA 200.7]	Zinc
Certified	Yes	NJ	WPP04.56600	NPW	Digestion, ICP/MS	[EPA 200.8]	Zinc

Category: WPP05 – Organic Parameters, Chromatography

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	WPP05.09010	NPW	Extract/GC (ECD)	[EPA 608]	Aldrin
Certified	Yes	NJ	WPP05.09020	NPW	Extract/GC (ECD)	[EPA 608]	Alpha BHC
Certified	Yes	NJ	WPP05.09030	NPW	Extract/GC (ECD)	[EPA 608]	Beta BHC
Certified	Yes	NJ	WPP05.09040	NPW	Extract/GC (ECD)	[EPA 608]	Delta BHC
Certified	Yes	NJ	WPP05.09050	NPW	Extract/GC (ECD)	[EPA 608]	Lindane (gamma BHC)
Certified	Yes	NJ	WPP05.09060	NPW	Extract/GC (ECD)	[EPA 608]	Chlordane
Certified	Yes	NJ	WPP05.09062	NPW	Extract/GC (ECD)	[EPA 608]	Chlordane (alpha) (cis-)
Certified	Yes	NJ	WPP05.09063	NPW	Extract/GC (ECD)	[EPA 608]	Chlordane (gamma) (trans-)
Certified	Yes	NJ	WPP05.09070	NPW	Extract/GC (ECD)	[EPA 608]	DDD (4,4'-)

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Category: WPP05 – Organic Parameters, Chromatography

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	WPP05.09080	NPW	Extract/GC (ECD)	[EPA 608]	DDE (4,4'-)
Certified	Yes	NJ	WPP05.09090	NPW	Extract/GC (ECD)	[EPA 608]	DDT (4,4'-)
Certified	Yes	NJ	WPP05.09100	NPW	Extract/GC (ECD)	[EPA 608]	Dieldrin
Certified	Yes	NJ	WPP05.09110	NPW	Extract/GC (ECD)	[EPA 608]	Endosulfan I
Certified	Yes	NJ	WPP05.09120	NPW	Extract/GC (ECD)	[EPA 608]	Endosulfan II
Certified	Yes	NJ	WPP05.09130	NPW	Extract/GC (ECD)	[EPA 608]	Endosulfan sulfate
Certified	Yes	NJ	WPP05.09140	NPW	Extract/GC (ECD)	[EPA 608]	Endrin
Certified	Yes	NJ	WPP05.09150	NPW	Extract/GC (ECD)	[EPA 608]	Endrin aldehyde
Certified	Yes	NJ	WPP05.09160	NPW	Extract/GC (ECD)	[EPA 608]	Endrin ketone
Certified	Yes	NJ	WPP05.09170	NPW	Extract/GC (ECD)	[EPA 608]	Heptachlor
Certified	Yes	NJ	WPP05.09180	NPW	Extract/GC (ECD)	[EPA 608]	Heptachlor epoxide
Certified	Yes	NJ	WPP05.09190	NPW	Extract/GC (ECD)	[EPA 608]	Methoxychlor
Certified	Yes	NJ	WPP05.09200	NPW	Extract/GC (ECD)	[EPA 608]	Toxaphene
Certified	Yes	NJ	WPP05.11010	NPW	Extract/GC (ECD)	[EPA 608]	PCB 1016
Certified	Yes	NJ	WPP05.11020	NPW	Extract/GC (ECD)	[EPA 608]	PCB 1221
Certified	Yes	NJ	WPP05.11030	NPW	Extract/GC (ECD)	[EPA 608]	PCB 1232
Certified	Yes	NJ	WPP05.11040	NPW	Extract/GC (ECD)	[EPA 608]	PCB 1242
Certified	Yes	NJ	WPP05.11050	NPW	Extract/GC (ECD)	[EPA 608]	PCB 1248
Certified	Yes	NJ	WPP05.11060	NPW	Extract/GC (ECD)	[EPA 608]	PCB 1254
Certified	Yes	NJ	WPP05.11070	NPW	Extract/GC (ECD)	[EPA 608]	PCB 1260

Category: WPP06 – Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	WPP06.02001	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Amyl acetate (n-)
Certified	Yes	NJ	WPP06.02003	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Acetone
Certified	Yes	NJ	WPP06.02007	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Acrolein
Certified	Yes	NJ	WPP06.02009	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Acrylonitrile
Certified	Yes	NJ	WPP06.02010	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Benzene
Certified	Yes	NJ	WPP06.02015	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Bromobenzene

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Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: WPP06 -- Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	WPP06.02017	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Bromochloromethane
Certified	Yes	NJ	WPP06.02020	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Bromodichloromethane
Certified	Yes	NJ	WPP06.02030	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Bromoform
Certified	Yes	NJ	WPP06.02040	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Bromomethane
Certified	Yes	NJ	WPP06.02041	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Butanone (2-) [Methyl ethyl ketone]
Certified	Yes	NJ	WPP06.02044	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Butyl benzene (n-)
Certified	Yes	NJ	WPP06.02045	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Carbon disulfide
Certified	Yes	NJ	WPP06.02050	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Carbon tetrachloride
Certified	Yes	NJ	WPP06.02060	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Chlorobenzene
Certified	Yes	NJ	WPP06.02070	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Chloroethane
Certified	Yes	NJ	WPP06.02080	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Chloroethyl vinyl ether (2-)
Certified	Yes	NJ	WPP06.02090	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Chloroform
Certified	Yes	NJ	WPP06.02100	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Chloromethane
Certified	Yes	NJ	WPP06.02103	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Chlorotoluene (2-)
Certified	Yes	NJ	WPP06.02105	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Chlorotoluene (4-)
Certified	Yes	NJ	WPP06.02106	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Cyclohexanone
Certified	Yes	NJ	WPP06.02107	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dibromo-3-chloropropane (1,2-)
Certified	Yes	NJ	WPP06.02110	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dibromochloromethane
Certified	Yes	NJ	WPP06.02115	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dibromoethane (1,2-) (EDB)
Certified	Yes	NJ	WPP06.02116	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dibromomethane
Certified	Yes	NJ	WPP06.02120	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dichlorobenzene (1,2-)
Certified	Yes	NJ	WPP06.02130	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dichlorobenzene (1,3-)
Certified	Yes	NJ	WPP06.02140	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dichlorobenzene (1,4-)
Certified	Yes	NJ	WPP06.02145	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dichlorodifluoromethane
Certified	Yes	NJ	WPP06.02150	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dichloroethane (1,1-)
Certified	Yes	NJ	WPP06.02160	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dichloroethane (1,2-)
Certified	Yes	NJ	WPP06.02170	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dichloroethene (1,1-)
Certified	Yes	NJ	WPP06.02175	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dichloroethene (cis-1,2-)
Certified	Yes	NJ	WPP06.02180	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dichloroethene (trans-1,2-)
Certified	Yes	NJ	WPP06.02190	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dichloropropane (1,2-)
Certified	Yes	NJ	WPP06.02192	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dichloropropane (1,3-)
Certified	Yes	NJ	WPP06.02194	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dichloropropane (2,2-)

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Category: WPP06 -- Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	WPP06.02195	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dichloropropene (1,1-)
Certified	Yes	NJ	WPP06.02198	NPW	GC/MS, P & T, Capillary Column	[EPA 624] [SM 6200 B-11]	Diethyl ether (Ethyl ether)
Certified	Yes	NJ	WPP06.02200	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dichloropropene (cis-1,3-)
Certified	Yes	NJ	WPP06.02210	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dichloropropene (trans-1,3-)
Certified	Yes	NJ	WPP06.02212	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Ethyl acetate
Certified	Yes	NJ	WPP06.02220	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Ethylbenzene
Certified	Yes	NJ	WPP06.02223	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Hexane (n-)
Certified	Yes	NJ	WPP06.02226	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Isopropyl acetate
Certified	Yes	NJ	WPP06.02230	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Methylene chloride (Dichloromethane)
Certified	Yes	NJ	WPP06.02232	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Methyl tert-butyl ether
Certified	Yes	NJ	WPP06.02233	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Methyl isobutyl ketone (MIBK)
Certified	Yes	NJ	WPP06.02234	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Tert-butyl alcohol
Certified	Yes	NJ	WPP06.02238	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Styrene
Certified	Yes	NJ	WPP06.02240	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Tetrachloroethane (1,1,2,2-)
Certified	Yes	NJ	WPP06.02245	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Tetrachloroethane (1,1,1,2-)
Certified	Yes	NJ	WPP06.02250	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Tetrachloroethene
Certified	Yes	NJ	WPP06.02260	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Toluene
Certified	Yes	NJ	WPP06.02270	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Trichloroethane (1,1,1-)
Certified	Yes	NJ	WPP06.02280	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Trichloroethane (1,1,2-)
Certified	Yes	NJ	WPP06.02290	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Trichloroethene
Certified	Yes	NJ	WPP06.02300	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Trichlorofluoromethane
Certified	Yes	NJ	WPP06.02305	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Trichloro (1,1,2-) trifluoroethane (1,2,2-)
Certified	Yes	NJ	WPP06.02307	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Vinyl acetate
Certified	Yes	NJ	WPP06.02310	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Vinyl chloride
Certified	Yes	NJ	WPP06.02312	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Xylenes (total)
Certified	Yes	NJ	WPP06.02314	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Xylene (m-)
Certified	Yes	NJ	WPP06.02315	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Xylene (o-)
Certified	Yes	NJ	WPP06.02316	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Xylene (p-)
Certified	Yes	NJ	WPP06.02317	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Xylene (m- + p-)
Certified	Yes	NJ	WPP06.02322	NPW	GC/MS, P&T, Capillary Column	[EPA 624]	Cyclohexane
Certified	Yes	NJ	WPP06.02325	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Hexanone (2-)
Certified	Yes	NJ	WPP06.02326	NPW	GC/MS, P&T, Capillary Column	[EPA 624]	Methyl acetate

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New Jersey Department of Environmental Protection

National Environmental Laboratory Accreditation Program

ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS

Effective as of 07/01/2014 until 06/30/2015

Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001

175 RT 46 W

UNIT D

Fairfield, NJ 07004

Category: WPP06 – Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	WPP06.02328	NPW	GC/MS, P&T, Capillary Column	[EPA 624]	Methylcyclohexane
Certified	Yes	NJ	WPP06.02330	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Methyl iodide
Certified	Yes	NJ	WPP06.02335	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Ethyl-tert-butyl Ether [ETBE]
Certified	Yes	NJ	WPP06.02400	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Diisopropyl Ether [DIPE]
Certified	Yes	NJ	WPP06.02410	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Dioxane (1,4-)
Certified	Yes	NJ	WPP06.02413	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Butyl acrylate
Certified	Yes	NJ	WPP06.02417	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Butyl methacrylate
Certified	Yes	NJ	WPP06.02430	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Ethyl methacrylate
Certified	Yes	NJ	WPP06.02440	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Hexachlorobutadiene (1,3-)
Certified	Yes	NJ	WPP06.02460	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Isopropylbenzene
Certified	Yes	NJ	WPP06.02470	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Isopropyltoluene (4-)
Certified	Yes	NJ	WPP06.02500	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Methyl methacrylate
Certified	Yes	NJ	WPP06.02510	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Naphthalene
Certified	Yes	NJ	WPP06.02530	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Pentachloroethane
Certified	Yes	NJ	WPP06.02540	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Propylbenzene (n-)
Certified	Yes	NJ	WPP06.02550	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Sec-butylbenzene
Certified	Yes	NJ	WPP06.02570	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	tert-Amylmethyl ether [TAME]
Certified	Yes	NJ	WPP06.02590	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Tert-butylbenzene
Certified	Yes	NJ	WPP06.02610	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Trichlorobenzene (1,2,3-)
Certified	Yes	NJ	WPP06.02620	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Trichlorobenzene (1,2,4-)
Certified	Yes	NJ	WPP06.02630	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Trichloropropane (1,2,3-)
Certified	Yes	NJ	WPP06.02640	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Trimethylbenzene (1,2,3-)
Certified	Yes	NJ	WPP06.02650	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Trimethylbenzene (1,2,4-)
Certified	Yes	NJ	WPP06.02660	NPW	GC/MS, P & T, Capillary Column	[EPA 624]	Trimethylbenzene (1,3,5-)
Certified	Yes	NJ	WPP06.03010	NPW	Extract, GC/MS	[EPA 625]	Acenaphthene
Certified	Yes	NJ	WPP06.03020	NPW	Extract, GC/MS	[EPA 625]	Acenaphthylene
Certified	Yes	NJ	WPP06.03030	NPW	Extract, GC/MS	[EPA 625]	Anthracene
Certified	Yes	NJ	WPP06.03040	NPW	Extract, GC/MS	[EPA 625]	Benzo(a)anthracene
Certified	Yes	NJ	WPP06.03050	NPW	Extract, GC/MS	[EPA 625]	Benzo(b)fluoranthene
Certified	Yes	NJ	WPP06.03060	NPW	Extract, GC/MS	[EPA 625]	Benzo(k)fluoranthene
Certified	Yes	NJ	WPP06.03070	NPW	Extract, GC/MS	[EPA 625]	Benzo(a)pyrene
Certified	Yes	NJ	WPP06.03080	NPW	Extract, GC/MS	[EPA 625]	Benzo(ghi)perylene

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New Jersey Department of Environmental Protection

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ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS

Effective as of 07/01/2014 until 06/30/2015

Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: WPP06 -- Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	WPP06.03090	NPW	Extract, GC/MS	[EPA 625]	Butyl benzyl phthalate
Certified	Yes	NJ	WPP06.03100	NPW	Extract, GC/MS	[EPA 625]	Bis (2-chloroethyl) ether
Certified	Yes	NJ	WPP06.03110	NPW	Extract, GC/MS	[EPA 625]	Bis (2-chloroethoxy) methane
Certified	Yes	NJ	WPP06.03120	NPW	Extract, GC/MS	[EPA 625]	Bis (2-ethylhexyl) phthalate
Certified	Yes	NJ	WPP06.03130	NPW	Extract, GC/MS	[EPA 625]	Bis (2-chloroisopropyl) ether
Certified	Yes	NJ	WPP06.03140	NPW	Extract, GC/MS	[EPA 625]	Bromophenyl-phenyl ether (4-)
Certified	Yes	NJ	WPP06.03150	NPW	Extract, GC/MS	[EPA 625]	Chloronaphthalene (2-)
Certified	Yes	NJ	WPP06.03160	NPW	Extract, GC/MS	[EPA 625]	Chlorophenyl-phenyl ether (4-)
Certified	Yes	NJ	WPP06.03170	NPW	Extract, GC/MS	[EPA 625]	Chrysene
Certified	Yes	NJ	WPP06.03180	NPW	Extract, GC/MS	[EPA 625]	Dibenzo(a,h)anthracene
Certified	Yes	NJ	WPP06.03186	NPW	Extract, GC/MS	[EPA 625]	Dibenzofuran
Certified	Yes	NJ	WPP06.03190	NPW	Extract, GC/MS	[EPA 625]	Di-n-butyl phthalate
Applied	No	NJ	WPP06.03200	NPW	Extract, GC/MS	[SM 6410 B-00]	Dichlorobenzene (1,3-)
Applied	No	NJ	WPP06.03210	NPW	Extract, GC/MS	[SM 6410 B-00]	Dichlorobenzene (1,2-)
Applied	No	NJ	WPP06.03220	NPW	Extract, GC/MS	[SM 6410 B-00]	Dichlorobenzene (1,4-)
Certified	Yes	NJ	WPP06.03230	NPW	Extract, GC/MS	[EPA 625]	Dichlorobenzidine (3,3'-)
Certified	Yes	NJ	WPP06.03240	NPW	Extract, GC/MS	[EPA 625]	Diethyl phthalate
Certified	Yes	NJ	WPP06.03250	NPW	Extract, GC/MS	[EPA 625]	Dimethyl phthalate
Certified	Yes	NJ	WPP06.03260	NPW	Extract, GC/MS	[EPA 625]	Dinitrotoluene (2,4-)
Certified	Yes	NJ	WPP06.03270	NPW	Extract, GC/MS	[EPA 625]	Dinitrotoluene (2,6-)
Certified	Yes	NJ	WPP06.03280	NPW	Extract, GC/MS	[EPA 625]	Di-n-octyl phthalate
Certified	Yes	NJ	WPP06.03290	NPW	Extract, GC/MS	[EPA 625]	Fluoranthene
Certified	Yes	NJ	WPP06.03300	NPW	Extract, GC/MS	[EPA 625]	Fluorene
Certified	Yes	NJ	WPP06.03310	NPW	Extract, GC/MS	[EPA 625]	Hexachlorobenzene
Certified	Yes	NJ	WPP06.03320	NPW	Extract, GC/MS	[EPA 625]	Hexachlorobutadiene (1,3-)
Certified	Yes	NJ	WPP06.03330	NPW	Extract, GC/MS	[EPA 625]	Hexachloroethane
Certified	Yes	NJ	WPP06.03340	NPW	Extract, GC/MS	[EPA 625]	Indeno(1,2,3-cd)pyrene
Certified	Yes	NJ	WPP06.03350	NPW	Extract, GC/MS	[EPA 625]	Isophorone
Certified	Yes	NJ	WPP06.03358	NPW	Extract, GC/MS	[EPA 625]	Methylnaphthalene (2-)
Certified	Yes	NJ	WPP06.03360	NPW	Extract, GC/MS	[EPA 625]	Naphthalene
Certified	Yes	NJ	WPP06.03366	NPW	Extract, GC/MS	[EPA 625]	Chloroaniline (4-)
Certified	Yes	NJ	WPP06.03367	NPW	Extract, GC/MS	[EPA 625]	Nitroaniline (2-)

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Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: WPP06 – Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	WPP06.03368	NPW	Extract, GC/MS	[EPA 625]	Nitroaniline (3-)
Certified	Yes	NJ	WPP06.03369	NPW	Extract, GC/MS	[EPA 625]	Nitroaniline (4-)
Certified	Yes	NJ	WPP06.03370	NPW	Extract, GC/MS	[EPA 625]	Nitrobenzene
Certified	Yes	NJ	WPP06.03380	NPW	Extract, GC/MS	[EPA 625]	N-Nitroso-di-n-propylamine
Certified	Yes	NJ	WPP06.03390	NPW	Extract, GC/MS	[EPA 625]	Phenanthrene
Certified	Yes	NJ	WPP06.03400	NPW	Extract, GC/MS	[EPA 625]	Pyrene
Certified	Yes	NJ	WPP06.03405	NPW	Extract, GC/MS	[EPA 625]	Tetrachlorobenzene (1,2,4,5-)
Certified	Yes	NJ	WPP06.03410	NPW	Extract, GC/MS	[EPA 625]	Trichlorobenzene (1,2,4-)
Certified	Yes	NJ	WPP06.03420	NPW	Extract, GC/MS	[EPA 625]	Methyl phenol (4-chloro-3-)
Certified	Yes	NJ	WPP06.03430	NPW	Extract, GC/MS	[EPA 625]	Chlorophenol (2-)
Certified	Yes	NJ	WPP06.03440	NPW	Extract, GC/MS	[EPA 625]	Dichlorophenol (2,4-)
Certified	Yes	NJ	WPP06.03450	NPW	Extract, GC/MS	[EPA 625]	Dimethylphenol (2,4-)
Certified	Yes	NJ	WPP06.03460	NPW	Extract, GC/MS	[EPA 625]	Dinitrophenol (2,4-)
Certified	Yes	NJ	WPP06.03470	NPW	Extract, GC/MS	[EPA 625]	Dinitrophenol (2-methyl-4,6-)
Certified	Yes	NJ	WPP06.03480	NPW	Extract, GC/MS	[EPA 625]	Nitrophenol (2-)
Certified	Yes	NJ	WPP06.03490	NPW	Extract, GC/MS	[EPA 625]	Nitrophenol (4-)
Certified	Yes	NJ	WPP06.03500	NPW	Extract, GC/MS	[EPA 625]	Pentachlorophenol
Certified	Yes	NJ	WPP06.03510	NPW	Extract, GC/MS	[EPA 625]	Phenol
Certified	Yes	NJ	WPP06.03512	NPW	Extract, GC/MS	[EPA 625]	Tetrachlorophenol (2,3,4,6-)
Certified	Yes	NJ	WPP06.03518	NPW	Extract, GC/MS	[EPA 625]	Trichlorophenol (2,4,5-)
Certified	Yes	NJ	WPP06.03520	NPW	Extract, GC/MS	[EPA 625]	Trichlorophenol (2,4,6-)
Certified	Yes	NJ	WPP06.03530	NPW	Extract, GC/MS	[EPA 625]	Benzoic acid
Certified	Yes	NJ	WPP06.03540	NPW	Extract, GC/MS	[EPA 625]	Methylphenol (4-)
Certified	Yes	NJ	WPP06.03550	NPW	Extract, GC/MS	[EPA 625]	Acetophenone
Certified	Yes	NJ	WPP06.03570	NPW	Extract, GC/MS	[EPA 625]	Aniline
Certified	Yes	NJ	WPP06.03580	NPW	Extract, GC/MS	[EPA 625]	Benzidine
Certified	Yes	NJ	WPP06.03590	NPW	Extract, GC/MS	[EPA 625]	Carbazole
Certified	Yes	NJ	WPP06.03605	NPW	Extract, GC/MS	[EPA 625]	Diphenylhydrazine (1,2-)
Certified	Yes	NJ	WPP06.03610	NPW	Extract, GC/MS	[EPA 625]	Methylphenol (2-)
Certified	Yes	NJ	WPP06.03612	NPW	Extract, GC/MS	[EPA 625]	Methylphenol (3-)
Certified	Yes	NJ	WPP06.03620	NPW	Extract, GC/MS	[EPA 625]	Decane (n-)
Certified	Yes	NJ	WPP06.03660	NPW	Extract, GC/MS	[EPA 625]	Hexachlorocyclopentadiene

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Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: WPP06 -- Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	WPP06.03680	NPW	Extract, GC/MS	[EPA 625]	N-Nitrosodimethylamine
Certified	Yes	NJ	WPP06.03690	NPW	Extract, GC/MS	[EPA 625]	N-Nitrosodiphenylamine
Certified	Yes	NJ	WPP06.03700	NPW	Extract, GC/MS	[EPA 625]	Octadecane (n-)
Certified	Yes	NJ	WPP06.03705	NPW	Extract, GC/MS	[EPA 625]	Pentachloroethane
Certified	Yes	NJ	WPP06.03720	NPW	Extract, GC/MS	[EPA 625]	Pyridine

Category: SHW02 -- Characteristics of Hazardous Waste

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW02.01000	NPW, SCM	Pensky Martens	[SW-846 1010A]	Ignitability
Certified	Yes	NJ	SHW02.03000	NPW, SCM	Aqueous Waste, Potentiometric	[SW-846 9040C]	Corrosivity - pH waste, >20% water
Certified	Yes	NJ	SHW02.06900	NPW, SCM	TCLP, Toxicity Procedure, ZHE	[SW-846 1311]	Volatile organics
Certified	Yes	NJ	SHW02.06950	NPW, SCM	TCLP, Toxicity Procedure, Shaker	[SW-846 1311]	Semivolatile organics
Certified	Yes	NJ	SHW02.07000	NPW, SCM	TCLP, Toxicity Procedure, Shaker	[SW-846 1311]	Metals
Certified	Yes	NJ	SHW02.07100	NPW, SCM	EP Toxicity Test	[SW-846 1310B]	Metals - organics
Certified	Yes	NJ	SHW02.08000	NPW, SCM	Synthetic PPT Leachate Procedure	[SW-846 1312]	Metals - organics
Certified	Yes	NJ	SHW02.09000	NPW, SCM	Multiple Extractions	[SW-846 1320]	Metals - organics

Category: SHW03 -- Analyze-Immediately Parameters

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW03.01000	NPW, SCM	Aqueous, Electrometric	[SW-846 9040C]	pH

Category: SHW04 -- Inorganic Parameters

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW04.05000	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Aluminum
Certified	Yes	NJ	SHW04.05500	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Aluminum

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Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SHW04 – Inorganic Parameters

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW04.06500	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Antimony
Certified	Yes	NJ	SHW04.07000	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Antimony
Certified	Yes	NJ	SHW04.09000	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Arsenic
Certified	Yes	NJ	SHW04.09500	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Arsenic
Certified	Yes	NJ	SHW04.11500	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Barium
Certified	Yes	NJ	SHW04.12000	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Barium
Certified	Yes	NJ	SHW04.13500	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Beryllium
Certified	Yes	NJ	SHW04.14000	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Beryllium
Certified	Yes	NJ	SHW04.15100	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Boron
Certified	Yes	NJ	SHW04.15500	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Cadmium
Certified	Yes	NJ	SHW04.16000	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Cadmium
Certified	Yes	NJ	SHW04.17500	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Calcium
Certified	Yes	NJ	SHW04.17505	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Calcium
Certified	Yes	NJ	SHW04.18500	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Chromium
Certified	Yes	NJ	SHW04.19000	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Chromium
Certified	Yes	NJ	SHW04.21000	NPW, SCM	Colorimetric	[SW-846 7196A]	Chromium (VI)
Certified	Yes	NJ	SHW04.22500	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Cobalt
Certified	Yes	NJ	SHW04.23000	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Cobalt
Certified	Yes	NJ	SHW04.24500	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Copper
Certified	Yes	NJ	SHW04.25000	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Copper
Certified	Yes	NJ	SHW04.26000	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Iron
Certified	Yes	NJ	SHW04.26005	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Iron
Certified	Yes	NJ	SHW04.27500	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Lead
Certified	Yes	NJ	SHW04.28000	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Lead
Certified	Yes	NJ	SHW04.30500	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Magnesium
Certified	Yes	NJ	SHW04.30505	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Magnesium
Certified	Yes	NJ	SHW04.31500	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Manganese
Certified	Yes	NJ	SHW04.31600	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Manganese
Certified	Yes	NJ	SHW04.34000	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Molybdenum
Certified	Yes	NJ	SHW04.34005	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Molybdenum
Certified	Yes	NJ	SHW04.35500	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Nickel
Certified	Yes	NJ	SHW04.36000	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Nickel

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175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SHW04 -- Inorganic Parameters

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW04.38000	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Potassium
Certified	Yes	NJ	SHW04.38505	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Potassium
Certified	Yes	NJ	SHW04.39000	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Selenium
Certified	Yes	NJ	SHW04.40600	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Selenium
Certified	Yes	NJ	SHW04.41000	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Silver
Certified	Yes	NJ	SHW04.41500	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Silver
Certified	Yes	NJ	SHW04.43000	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Sodium
Certified	Yes	NJ	SHW04.43005	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Sodium
Certified	Yes	NJ	SHW04.45000	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Thallium
Certified	Yes	NJ	SHW04.45500	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Thallium
Certified	Yes	NJ	SHW04.47100	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Tin
Certified	Yes	NJ	SHW04.47500	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Vanadium
Certified	Yes	NJ	SHW04.47505	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Vanadium
Certified	Yes	NJ	SHW04.49000	NPW, SCM	ICP	[SW-846 6010B] [SW-846 6010C]	Zinc
Certified	Yes	NJ	SHW04.49500	NPW, SCM	ICP/MS	[SW-846 6020] [SW-846 6020A]	Zinc

Category: SHW05 -- Organic Parameters, Prep. / Screening

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW05.12000	NPW, SCM	Cleanup-Florisil	[SW-846 3620B] [SW-846 3620C]	Semivolatile organics
Certified	Yes	NJ	SHW05.13000	NPW, SCM	Cleanup-Silica Gel	[SW-846 3630C]	Semivolatile organics

Category: SHW06 -- Organic Parameters, Chromatography

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW06.03048	NPW, SCM	GC, Direct Injection or P & T, FID	[SW-846 8015B] [SW-846 8015C] [SW-846 8015D]	Butanol (1-)
Certified	Yes	NJ	SHW06.03050	NPW, SCM	GC, Direct Injection or P &.T, FID	[SW-846 8015B] [SW-846 8015C] [SW-846 8015D]	Tert-butyl alcohol

KEY: AE = Air and Emissions, BT = Biological Tissues, DW = Drinking Water, NPW = Non-Potable Water, SCM = Solid and Chemical Materials

New Jersey Department of Environmental Protection

National Environmental Laboratory Accreditation Program

ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS

Effective as of 07/01/2014 until 06/30/2015

Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SHW06 – Organic Parameters, Chromatography

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW06.03090	NPW, SCM	GC, Direct Injection or P & T, FID	[SW-846 8015B] [SW-846 8015C] [SW-846 8015D]	Iso-butyl alcohol
Certified	Yes	NJ	SHW06.03142	NPW, SCM	GC, Direct Injection or P & T, FID	[SW-846 8015B] [SW-846 8015C] [SW-846 8015D]	Propyl Alcohol (n-)
Certified	Yes	NJ	SHW06.03145	NPW, SCM	GC, Direct Injection or P & T, FID	[SW-846 8015B] [SW-846 8015C] [SW-846 8015D]	Isopropyl alcohol
Certified	Yes	NJ	SHW06.03170	NPW, SCM	GC, Direct Injection, FID	[SW-846 8015B] [SW-846 8015C] [SW-846 8015D]	Ethylene glycol
Certified	Yes	NJ	SHW06.03180	NPW, SCM	GC, Direct Injection or P & T, FID	[SW-846 8015B] [SW-846 8015C] [SW-846 8015D]	Methyl alcohol (Methanol)
Certified	Yes	NJ	SHW06.03778	NPW, SCM	GC, Direct Injection or P & T, FID	[SW-846 8015B] [SW-846 8015C] [SW-846 8015D]	Ethyl alcohol
Certified	Yes	NJ	SHW06.04500	NPW, SCM	Extraction, GC, FID	[SW-846 8015B] [SW-846 8015C] [SW-846 8015D]	Diesel range organic
Certified	Yes	NJ	SHW06.04520	NPW, SCM	Extraction, GC, FID	[OTHER NJ-OQA-QAM-025, Rev. 7]	Petroleum Organics
Certified	Yes	NJ	SHW06.04540	NPW, SCM	Extraction, GC, FID	[OTHER NJDEP EPH 10/08, Rev. 3]	Extractable Petroleum Hydrocarbons
Certified	Yes	NJ	SHW06.12010	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Aldrin
Certified	Yes	NJ	SHW06.12020	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Alpha BHC
Certified	Yes	NJ	SHW06.12030	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Beta BHC
Certified	Yes	NJ	SHW06.12040	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Delta BHC
Certified	Yes	NJ	SHW06.12050	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Lindane (gamma BHC)
Certified	Yes	NJ	SHW06.12060	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Chlordane (technical)
Certified	Yes	NJ	SHW06.12070	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Chlordane (alpha) (cis-)
Certified	Yes	NJ	SHW06.12080	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Chlordane (gamma) (trans-)
Certified	Yes	NJ	SHW06.12090	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	DDD (4,4'-)
Certified	Yes	NJ	SHW06.12100	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	DDE (4,4'-)
Certified	Yes	NJ	SHW06.12110	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	DDT (4,4'-)
Certified	Yes	NJ	SHW06.12120	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Dieldrin
Certified	Yes	NJ	SHW06.12130	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Endosulfan I
Certified	Yes	NJ	SHW06.12140	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Endosulfan II
Certified	Yes	NJ	SHW06.12150	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Endosulfan sulfate
Certified	Yes	NJ	SHW06.12160	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Endrin
Certified	Yes	NJ	SHW06.12170	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Endrin aldehyde

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New Jersey Department of Environmental Protection

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ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS

Effective as of 07/01/2014 until 06/30/2015

Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SHW06 – Organic Parameters, Chromatography

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW06.12180	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Endrin ketone
Certified	Yes	NJ	SHW06.12190	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Heptachlor
Certified	Yes	NJ	SHW06.12200	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Heptachlor epoxide
Certified	Yes	NJ	SHW06.12210	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Methoxychlor
Certified	Yes	NJ	SHW06.12220	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8081A] [SW-846 8081B]	Toxaphene
Certified	Yes	NJ	SHW06.13110	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8082] [SW-846 8082A]	PCB 1016
Certified	Yes	NJ	SHW06.13120	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8082] [SW-846 8082A]	PCB 1221
Certified	Yes	NJ	SHW06.13130	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8082] [SW-846 8082A]	PCB 1232
Certified	Yes	NJ	SHW06.13140	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8082] [SW-846 8082A]	PCB 1242
Certified	Yes	NJ	SHW06.13150	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8082] [SW-846 8082A]	PCB 1248
Certified	Yes	NJ	SHW06.13160	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8082] [SW-846 8082A]	PCB 1254
Certified	Yes	NJ	SHW06.13170	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8082] [SW-846 8082A]	PCB 1260
Certified	Yes	NJ	SHW06.13175	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8082] [SW-846 8082A]	PCB-1262
Certified	Yes	NJ	SHW06.13180	NPW, SCM	GC, Extraction, ECD or HECD, Capillary	[SW-846 8082] [SW-846 8082A]	PCB-1268
Certified	Yes	NJ	SHW06.23010	NPW, SCM	GC, Extraction, ECD, Capillary	[SW-846 8151A]	Dalapon
Certified	Yes	NJ	SHW06.23020	NPW, SCM	GC, Extraction, ECD, Capillary	[SW-846 8151A]	Dicamba
Certified	Yes	NJ	SHW06.23021	NPW, SCM	GC, Extraction, ECD, Capillary	[SW-846 8151A]	Dichlorprop
Certified	Yes	NJ	SHW06.23030	NPW, SCM	GC, Extraction, ECD, Capillary	[SW-846 8151A]	Dinoseb
Certified	Yes	NJ	SHW06.23040	NPW, SCM	GC, Extraction, ECD, Capillary	[SW-846 8151A]	D (2,4-)
Certified	Yes	NJ	SHW06.23041	NPW, SCM	GC, Extraction, ECD, Capillary	[SW-846 8151A]	DB (2,4-)
Certified	Yes	NJ	SHW06.23050	NPW, SCM	GC, Extraction, ECD, Capillary	[SW-846 8151A]	T (2,4,5-)
Certified	Yes	NJ	SHW06.23060	NPW, SCM	GC, Extraction, ECD, Capillary	[SW-846 8151A]	TP (2,4,5-) (Silvex)
Certified	Yes	NJ	SHW06.23070	NPW, SCM	GC, Extraction, ECD, Capillary	[SW-846 8151A]	Picloram

Category: SHW07 – Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW07.04010	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Benzene
Certified	Yes	NJ	SHW07.04011	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Bromobenzene
Certified	Yes	NJ	SHW07.04012	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Butyl benzene (n-)

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New Jersey Department of Environmental Protection

National Environmental Laboratory Accreditation Program

ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS

Effective as of 07/01/2014 until 06/30/2015

Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SHW07 – Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW07.04013	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Sec-butylbenzene
Certified	Yes	NJ	SHW07.04014	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Tert-butylbenzene
Certified	Yes	NJ	SHW07 04020	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Chlorobenzene
Certified	Yes	NJ	SHW07.04022	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Chlorotoluene (2-)
Certified	Yes	NJ	SHW07.04023	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Chlorotoluene (4-)
Certified	Yes	NJ	SHW07.04030	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dichlorobenzene (1,2-)
Certified	Yes	NJ	SHW07.04040	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dichlorobenzene (1,3-)
Certified	Yes	NJ	SHW07.04050	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dichlorobenzene (1,4-)
Certified	Yes	NJ	SHW07.04060	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Ethylbenzene
Certified	Yes	NJ	SHW07.04065	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Isopropylbenzene
Certified	Yes	NJ	SHW07.04067	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Propylbenzene (n-)
Certified	Yes	NJ	SHW07.04070	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Toluene
Certified	Yes	NJ	SHW07.04071	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Isopropyltoluene (4-)
Certified	Yes	NJ	SHW07.04072	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Trichlorobenzene (1,2,3-)
Certified	Yes	NJ	SHW07.04073	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Trimethylbenzene (1,2,4-)
Certified	Yes	NJ	SHW07.04074	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Trimethylbenzene (1,3,5-)
Certified	Yes	NJ	SHW07.04080	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Xylenes (total)
Certified	Yes	NJ	SHW07.04081	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Xylene (m-)
Certified	Yes	NJ	SHW07.04082	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Xylene (o-)
Certified	Yes	NJ	SHW07.04083	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Xylene (p-)
Certified	Yes	NJ	SHW07.04087	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	tert-Amylmethyl ether [TAME]
Certified	Yes	NJ	SHW07.04089	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Bromochloromethane
Certified	Yes	NJ	SHW07.04090	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Bromodichloromethane
Certified	Yes	NJ	SHW07.04100	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Bromoform
Certified	Yes	NJ	SHW07.04110	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Bromomethane
Certified	Yes	NJ	SHW07.04111	NPW, SCM	GC/MS, P&T, or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Cyclohexane
Certified	Yes	NJ	SHW07.04112	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Cyclohexanone
Certified	Yes	NJ	SHW07.04120	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Carbon tetrachloride
Certified	Yes	NJ	SHW07.04130	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Chloroethane
Certified	Yes	NJ	SHW07.04140	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Chloroethyl vinyl ether (2-)
Certified	Yes	NJ	SHW07.04150	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Chloroform
Certified	Yes	NJ	SHW07.04160	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Chloromethane

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Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SHW07 – Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW07.04165	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Diethyl ether (Ethyl ether)
Certified	Yes	NJ	SHW07.04170	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dichloropropene (trans-1,3-)
Certified	Yes	NJ	SHW07.04180	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dibromochloromethane
Certified	Yes	NJ	SHW07.04185	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dibromoethane (1,2-) (EDB)
Certified	Yes	NJ	SHW07.04186	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dibromomethane
Certified	Yes	NJ	SHW07.04187	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dibromo-3-chloropropane (1,2-)
Certified	Yes	NJ	SHW07.04190	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dichlorodifluoromethane
Certified	Yes	NJ	SHW07.04200	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dichloroethane (1,1-)
Certified	Yes	NJ	SHW07.04210	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dichloroethane (1,2-)
Certified	Yes	NJ	SHW07.04220	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dichloroethene (1,1-)
Certified	Yes	NJ	SHW07.04230	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dichloroethene (trans-1,2-)
Certified	Yes	NJ	SHW07.04235	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dichloroethene (cis-1,2-)
Certified	Yes	NJ	SHW07.04240	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dichloropropane (1,2-)
Certified	Yes	NJ	SHW07.04241	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dichloropropane (1,3-)
Certified	Yes	NJ	SHW07.04242	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dichloropropane (2,2-)
Certified	Yes	NJ	SHW07.04249	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dichloropropene (1,1-)
Certified	Yes	NJ	SHW07.04250	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dichloropropene (cis-1,3-)
Certified	Yes	NJ	SHW07.04255	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dichloro-2-butene (trans-1,4-)
Certified	Yes	NJ	SHW07.04257	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Diisopropyl Ether [DIPE]
Certified	Yes	NJ	SHW07.04260	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Methylene chloride (Dichloromethane)
Certified	Yes	NJ	SHW07.04270	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Tetrachloroethane (1,1,2,2-)
Certified	Yes	NJ	SHW07.04280	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Tetrachloroethene
Certified	Yes	NJ	SHW07.04290	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Trichloroethane (1,1,1-)
Certified	Yes	NJ	SHW07.04300	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Trichloroethane (1,1,2-)
Certified	Yes	NJ	SHW07.04310	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Trichloroethene
Certified	Yes	NJ	SHW07.04320	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Trichlorofluoromethane
Certified	Yes	NJ	SHW07.04322	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Trichloro (1,1,2-) trifluoroethane (1,2,2-)
Certified	Yes	NJ	SHW07.04325	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Trichloropropane (1,2,3-)
Certified	Yes	NJ	SHW07.04327	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Vinyl acetate
Certified	Yes	NJ	SHW07.04330	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Vinyl chloride
Certified	Yes	NJ	SHW07.04340	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Acetone
Certified	Yes	NJ	SHW07.04350	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Carbon disulfide

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New Jersey Department of Environmental Protection

National Environmental Laboratory Accreditation Program

ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS

Effective as of 07/01/2014 until 06/30/2015

Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SHW07 – Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW07.04360	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Butanone (2-) [Methyl ethyl ketone]
Certified	Yes	NJ	SHW07.04364	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Ethyl-tert-butyl Ether [ETBE]
Certified	Yes	NJ	SHW07.04370	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Hexanone (2-)
Certified	Yes	NJ	SHW07.04373	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Methyl methacrylate
Certified	Yes	NJ	SHW07.04374	NPW, SCM	GC/MS, P&T, or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Methyl acetate
Certified	Yes	NJ	SHW07.04375	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Methyl iodide
Certified	Yes	NJ	SHW07.04380	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Pentanone (4-methyl-2-) (MIBK)
Certified	Yes	NJ	SHW07.04390	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Methyl tert-butyl ether
Certified	Yes	NJ	SHW07.04395	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Tert-butyl alcohol
Certified	Yes	NJ	SHW07.04400	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Acrolein
Certified	Yes	NJ	SHW07.04410	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Acrylonitrile
Certified	Yes	NJ	SHW07.04425	NPW, SCM	GC/MS, P&T, or Direct Injection, Capillary	[SW-846 8260B]	Hexane (n-)
Certified	Yes	NJ	SHW07.04500	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Hexachlorobutadiene (1,3-)
Certified	Yes	NJ	SHW07.04535	NPW, SCM	GC/MS, P&T, or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Methylcyclohexane
Certified	Yes	NJ	SHW07.04540	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Naphthalene
Certified	Yes	NJ	SHW07.04550	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Styrene
Certified	Yes	NJ	SHW07.04560	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Tetrachloroethane (1,1,1,2-)
Certified	Yes	NJ	SHW07.04570	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Trichlorobenzene (1,2,4-)
Certified	Yes	NJ	SHW07.04590	NPW, SCM	GC/MS, P & T or Direct Injection, Capillary	[SW-846 8260B] [SW-846 8260C]	Dioxane (1,4-)
Certified	Yes	NJ	SHW07.04595	NPW, SCM	GC/MS, P & T, Capillary Column	[USER DEFINED SW-846 8260B & 8260C]	Gasoline range organic
Certified	Yes	NJ	SHW07.04665	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Acetophenone
Certified	Yes	NJ	SHW07.04702	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Biphenyl (1,1'-)
Certified	Yes	NJ	SHW07.04900	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Pentachloroethane
Certified	Yes	NJ	SHW07.04975	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Tetrachlorobenzene (1,2,4,5-)
Certified	Yes	NJ	SHW07.04980	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Tetrachlorophenol (2,3,4,6-)
Certified	Yes	NJ	SHW07.04985	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Toluidine (2-) (2-Methylaniline)
Certified	Yes	NJ	SHW07.04987	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Toluidine (4-chloro-2-)
Certified	Yes	NJ	SHW07.05005	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	N-Nitrosodimethylamine
Certified	Yes	NJ	SHW07.05006	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	N-Nitroso-di-n-propylamine
Certified	Yes	NJ	SHW07.05010	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	N-Nitrosodiphenylamine
Certified	Yes	NJ	SHW07.05020	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Diphenylamine
Certified	Yes	NJ	SHW07.05030	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Carbazole

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National Environmental Laboratory Accreditation Program

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Effective as of 07/01/2014 until 06/30/2015

Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SHW07 – Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW07.05038	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Benzidine
Certified	Yes	NJ	SHW07.05040	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dichlorobenzidine (3,3'-)
Certified	Yes	NJ	SHW07.05045	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Diphenylhydrazine (1,2-)
Certified	Yes	NJ	SHW07.05048	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Aniline
Certified	Yes	NJ	SHW07.05049	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Ethylaniline (2-)
Certified	Yes	NJ	SHW07.05050	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Chloroaniline (4-)
Certified	Yes	NJ	SHW07.05052	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dimethylaniline (2,3-)
Certified	Yes	NJ	SHW07.05054	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dimethylaniline (2,4-)
Certified	Yes	NJ	SHW07.05056	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dimethylaniline (3,4-)
Certified	Yes	NJ	SHW07.05060	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Nitroaniline (2-)
Certified	Yes	NJ	SHW07.05062	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Nitroaniline (3-)
Certified	Yes	NJ	SHW07.05063	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Nitroaniline (4-)
Certified	Yes	NJ	SHW07.05065	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Trimethylaniline (2,4,5-)
Certified	Yes	NJ	SHW07.05070	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Chloronaphthalene (2-)
Certified	Yes	NJ	SHW07.05080	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Hexachlorobenzene
Certified	Yes	NJ	SHW07.05090	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Hexachlorobutadiene (1,3-)
Certified	Yes	NJ	SHW07.05100	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Hexachlorocyclopentadiene
Certified	Yes	NJ	SHW07.05110	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Hexachloroethane
Certified	Yes	NJ	SHW07.05120	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Trichlorobenzene (1,2,4-)
Certified	Yes	NJ	SHW07.05130	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Bis (2-chloroethoxy) methane
Certified	Yes	NJ	SHW07.05132	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Bis (2-chloroethyl) ether
Certified	Yes	NJ	SHW07.05140	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Bis (2-chloroisopropyl) ether
Certified	Yes	NJ	SHW07.05150	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Chlorophenyl-phenyl ether (4-)
Certified	Yes	NJ	SHW07.05160	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Bromophenyl-phenyl ether (4-)
Certified	Yes	NJ	SHW07.05170	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dinitrotoluene (2,4-)
Certified	Yes	NJ	SHW07.05180	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dinitrotoluene (2,6-)
Certified	Yes	NJ	SHW07.05190	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Isophorone
Certified	Yes	NJ	SHW07.05200	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Nitrobenzene
Certified	Yes	NJ	SHW07.05210	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Butyl benzyl phthalate
Certified	Yes	NJ	SHW07.05220	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Bis (2-ethylhexyl) phthalate
Certified	Yes	NJ	SHW07.05230	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Diethyl phthalate
Certified	Yes	NJ	SHW07.05240	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dimethyl phthalate

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Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SHW07 – Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW07.05250	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Di-n-butyl phthalate
Certified	Yes	NJ	SHW07.05260	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Di-n-octyl phthalate
Certified	Yes	NJ	SHW07.05270	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Acenaphthene
Certified	Yes	NJ	SHW07.05280	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Anthracene
Certified	Yes	NJ	SHW07.05290	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Acenaphthylene
Certified	Yes	NJ	SHW07.05300	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Benzo(a)anthracene
Certified	Yes	NJ	SHW07.05310	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Benzo(a)pyrene
Certified	Yes	NJ	SHW07.05320	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Benzo(b)fluoranthene
Certified	Yes	NJ	SHW07.05330	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Benzo(ghi)perylene
Certified	Yes	NJ	SHW07.05340	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Benzo(k)fluoranthene
Certified	Yes	NJ	SHW07.05350	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Chrysene
Certified	Yes	NJ	SHW07.05360	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dibenzo(a,h)anthracene
Certified	Yes	NJ	SHW07.05370	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Fluoranthene
Certified	Yes	NJ	SHW07.05380	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Fluorene
Certified	Yes	NJ	SHW07.05390	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Indeno(1,2,3-cd)pyrene
Certified	Yes	NJ	SHW07.05392	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Aminonaphthalene (2-)
Certified	Yes	NJ	SHW07.05400	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Methylnaphthalene (2-)
Certified	Yes	NJ	SHW07.05410	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Naphthalene
Certified	Yes	NJ	SHW07.05420	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Phenanthrene
Certified	Yes	NJ	SHW07.05430	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Pyrene
Certified	Yes	NJ	SHW07.05440	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Methyl phenol (4-chloro-3-)
Certified	Yes	NJ	SHW07.05450	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Chlorophenol (2-)
Certified	Yes	NJ	SHW07.05460	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dichlorophenol (2,4-)
Certified	Yes	NJ	SHW07.05470	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dimethylphenol (2,4-)
Certified	Yes	NJ	SHW07.05480	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dinitrophenol (2,4-)
Certified	Yes	NJ	SHW07.05490	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dinitrophenol (2-methyl-4,6-)
Certified	Yes	NJ	SHW07.05500	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Methylphenol (2-)
Certified	Yes	NJ	SHW07.05510	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Methylphenol (4-)
Certified	Yes	NJ	SHW07.05520	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Nitrophenol (2-)
Certified	Yes	NJ	SHW07.05530	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Nitrophenol (4-)
Certified	Yes	NJ	SHW07.05540	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Pentachlorophenol
Certified	Yes	NJ	SHW07.05550	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Phenol

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175 RT 46 W
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Fairfield, NJ 07004

Category: SHW07 -- Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW07.05560	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Trichlorophenol (2,4,5-)
Certified	Yes	NJ	SHW07.05570	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Trichlorophenol (2,4,6-)
Certified	Yes	NJ	SHW07.05590	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Methylphenol (3-)
Certified	Yes	NJ	SHW07.05600	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dibenzofuran
Certified	Yes	NJ	SHW07.05691	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dichlorobenzene (1,2-)
Certified	Yes	NJ	SHW07.05692	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dichlorobenzene (1,3-)
Certified	Yes	NJ	SHW07.05700	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dichlorobenzene (1,4-)
Certified	Yes	NJ	SHW07.05705	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Benzaldehyde
Certified	Yes	NJ	SHW07.05710	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Benzoic acid
Certified	Yes	NJ	SHW07.05720	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Benzyl alcohol
Certified	Yes	NJ	SHW07.05725	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Decane (n-)
Certified	Yes	NJ	SHW07.05730	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Octadecane (n-)
Certified	Yes	NJ	SHW07.05750	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Pyridine
Certified	Yes	NJ	SHW07.05765	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Caprolactam
Certified	Yes	NJ	SHW07.05990	NPW, SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Atrazine
Certified	Yes	NJ	SHW07.07578	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Acenaphthene
Certified	Yes	NJ	SHW07.07580	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Acenaphthylene
Certified	Yes	NJ	SHW07.07582	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Anthracene
Certified	Yes	NJ	SHW07.07584	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Benzo(a)anthracene
Certified	Yes	NJ	SHW07.07586	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Benzo(a)pyrene
Certified	Yes	NJ	SHW07.07588	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Benzo(b)fluoranthene
Certified	Yes	NJ	SHW07.07590	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Benzo(k)fluoranthene
Certified	Yes	NJ	SHW07.07592	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Benzo(ghi)perylene
Certified	Yes	NJ	SHW07.07593	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Chrysene
Certified	Yes	NJ	SHW07.07594	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dibenzo(a,h)anthracene
Certified	Yes	NJ	SHW07.07596	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Hexachlorobenzene
Certified	Yes	NJ	SHW07.07597	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Hexachlorobutadiene
Certified	Yes	NJ	SHW07.07598	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Indeno(1,2,3-cd)pyrene
Certified	Yes	NJ	SHW07.07604	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Naphthalene
Certified	Yes	NJ	SHW07.07608	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	N-Nitrosodimethylamine
Certified	Yes	NJ	SHW07.07610	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Fluoranthene
Certified	Yes	NJ	SHW07.07612	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Fluorene

KEY: AE = Air and Emissions, BT = Biological Tissues, DW = Drinking Water, NPW = Non-Potable Water, SCM = Solid and Chemical Materials

New Jersey Department of Environmental Protection

National Environmental Laboratory Accreditation Program

ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS

Effective as of 07/01/2014 until 06/30/2015

Laboratory Name: HAMPTON- CLARKE/ VERITECH Laboratory Number: 07071 Activity ID: NLC140001
175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SHW07 – Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW07.07614	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Dinitrophenol (2-methyl-4,6-)
Certified	Yes	NJ	SHW07.07616	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Pentachlorophenol
Certified	Yes	NJ	SHW07.07618	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Phenanthrene
Certified	Yes	NJ	SHW07.07620	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Pyrene
Certified	Yes	NJ	SHW07.07625	NPW, SCM	GC/MS/SIM, Extract or Dir Inj, Capillary	[USER DEFINED SW-846 8270C & D]	Hexachlorocyclopentadiene
Certified	Yes	NJ	SHW07.07690	NPW, SCM	GC/MS, Extract, Full Scan / Isotope Dilution	[OTHER NJ Modified 8270]	Dioxane (1,4-)

Category: SHW09 – Miscellaneous Parameters

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Applied	No	NJ	SHW09.01500	NPW, SCM	Distillation, Electrode	[SM 4500-NH3 B+F or G (18th ed)] [SM 4500-NH3 B+D or E (19/20th ed.)]	Ammonia
Certified	Yes	NJ	SHW09.02000	NPW, SCM	Distillation	[SW-846 9010C]	Cyanide
Certified	Yes	NJ	SHW09.03000	NPW, SCM	Distillation	[SW-846 9010C]	Cyanide - amenable to Cl2
Certified	Yes	NJ	SHW09.05000	NPW, SCM	Colorimetric, Automated	[SW-846 9012B]	Cyanide
Certified	Yes	NJ	SHW09.09000	NPW, SCM	Redox Titration	[SW-846 9030B]	Sulfides, acid sol. & insol.
Certified	Yes	NJ	SHW09.10100	NPW, SCM	Titration	[SW-846 9034]	Sulfides, acid sol. & insol.
Certified	Yes	NJ	SHW09.13050	NPW, SCM	Ion Chromatography	[SW-846 9056] [SW-846 9056A]	Sulfate
Certified	Yes	NJ	SHW09.14000	NPW, SCM	Electrometric	[SW-846 9040C]	pH - waste, >20% water
Certified	Yes	NJ	SHW09.19000	NPW, SCM	Infrared Spectrometry or FID	[SW-846 9060A]	Total organic carbon (TOC)
Certified	Yes	NJ	SHW09.24100	NPW, SCM	Extraction & Gravimetric - LL or SPE	[SW-846 1664A]	Oil & grease - hem
Certified	Yes	NJ	SHW09.29150	NPW, SCM	Ion Chromatography	[SW-846 9056] [SW-846 9056A]	Nitrite
Certified	Yes	NJ	SHW09.30150	NPW, SCM	Ion Chromatography	[SW-846 9056] [SW-846 9056A]	Nitrate
Certified	Yes	NJ	SHW09.30250	NPW, SCM	Ion Chromatography	[SW-846 9056] [SW-846 9056A]	Bromide
Certified	Yes	NJ	SHW09.33100	NPW, SCM	Ion Chromatography	[SW-846 9056] [SW-846 9056A]	Chloride
Certified	Yes	NJ	SHW09.34150	NPW, SCM	Ion Chromatography	[SW-846 9056] [SW-846 9056A]	Fluoride
Certified	Yes	NJ	SHW09.54150	NPW, SCM	Ion Chromatography	[SW-846 9056] [SW-846 9056A]	Orthophosphate

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175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SHW02 – Characteristics of Hazardous Waste

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW02.02100	SCM	Burn Rate	[SW-846 1030]	Ignitability of solids
Certified	Yes	NJ	SHW02.11000	SCM	Shake, Extraction with Water	[ASTM D3987-85]	Metals - inorganics

Category: SHW04 – Inorganic Parameters

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW04.02200	SCM	Acid Digestion For AA or ICP, Oil	[SW-846 3031]	Metals
Certified	Yes	NJ	SHW04.03000	SCM	Acid Digestion, Soil Sediment & Sludge	[SW-846 3050B]	Metals
Certified	Yes	NJ	SHW04.03700	SCM	Chromium VI Digestion	[SW-846 3060A]	Metals
Certified	Yes	NJ	SHW04.33500	SCM	AA, Manual Cold Vapor	[SW-846 7471A] [SW-846 7471B]	Mercury - solid waste

Category: SHW05 – Organic Parameters, Prep. / Screening

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW05.04000	SCM	Automatic Soxhlet Extraction	[SW-846 3541]	Semivolatile organics
Certified	Yes	NJ	SHW05.04200	SCM	Pressurized Fluid Extraction	[SW-846 3545] [SW-846 3545A]	Semivolatile organics
Certified	Yes	NJ	SHW05.05000	SCM	Ultrasonic Extraction	[SW-846 3550B] [SW-846 3550C]	Semivolatile organics
Certified	Yes	NJ	SHW05.06000	SCM	Waste Dilution	[SW-846 3580A]	Organics
Certified	Yes	NJ	SHW05.06100	SCM	Waste Dilution, Volatile organics	[SW-846 3585]	Organics
Certified	Yes	NJ	SHW05.07300	SCM	Closed System Purge & Trap	[SW-846 5035A-L]	Volatile organics - low conc.
Certified	Yes	NJ	SHW05.07310	SCM	Methanol Extract, Closed System P & T	[SW-846 5035A-H]	Volatile organics - high conc.
Certified	Yes	NJ	SHW05.14000	SCM	Cleanup-Gel Permeation	[SW-846 3640A]	Semivolatile organics
Certified	Yes	NJ	SHW05.16000	SCM	Cleanup-Sulfur Removal	[SW-846 3660B]	Semivolatile organics
Certified	Yes	NJ	SHW05.17000	SCM	Cleanup-Sulfuric Acid/KMnO4	[SW-846 3665A]	Semivolatile organics

Appendix 1 Page 30 of 39

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175 RT 46 W
UNIT D
Fairfield, NJ 07004

Category: SHW07 – Organic Parameters, Chromatography/MS

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW07.04825	SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Kepone
Certified	Yes	NJ	SHW07.04885	SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Parathion
Certified	Yes	NJ	SHW07.04895	SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Pentachlorobenzene
Certified	Yes	NJ	SHW07.04905	SCM	GC/MS, Extract or Dir Inj, Capillary	[SW-846 8270C] [SW-846 8270D]	Pentachloronitrobenzene

Category: SHW09 – Miscellaneous Parameters

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW09.08100	SCM	Extraction	[SW-846 9023]	Extractable organic halides (EOX)
Certified	Yes	NJ	SHW09.10000	SCM	Water Extraction, Distillation	[SW-846 9031]	Sulfides - extractable
Certified	Yes	NJ	SHW09.16000	SCM	Mix with Water or Calcium Chloride	[SW-846 9045D]	pH - soil and waste
Certified	Yes	NJ	SHW09.19100	SCM	Pyrolytic	[OTHER Lloyd Kahn]	Total organic carbon (TOC)
Certified	Yes	NJ	SHW09.25000	SCM	Extraction & Gravimetric	[SW-846 9071B]	Oil & grease - sludge-hem
Certified	Yes	NJ	SHW09.25100	SCM	Extraction & Gravimetric - LL or SPE	[SW-846 9071B]	Oil & grease - sludge-hem-npm
Certified	Yes	NJ	SHW09.29000	SCM	Flow-Through Paint Filter, Observation	[SW-846 9095B]	Free liquid

Joseph F. Aiello, Manager

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. STANLEY E. GILEWICZ
HAMPTON-CLARKE INC/VERITECH
175 RT 46 WEST, UNIT D
FAIRFIELD, NJ 07004

NY Lab Id No: 11408

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Acrylates	
Acrolein (Propenal)	EPA 8260C
Acrylonitrile	EPA 8260C
Ethyl methacrylate	EPA 8260C
Methyl methacrylate	EPA 8260C
Amines	
1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Diphenylamine	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 8270D
Characteristic Testing	
Corrosivity	EPA 9040C
	EPA 9045D
E.P. Toxicity	EPA 1310
Free Liquids	EPA 9095B
Ignitability	EPA 1030
	EPA 1010A
Reactivity	SW-846 Ch7 Sec 7.3

Characteristic Testing	
Synthetic Precipitation Leaching Proc.	EPA 1312
TCLP	EPA 1311
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
Atrazine	EPA 8270D
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Kepone	EPA 8270D
Lindane	EPA 8081B

Serial No.: 50612

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Chlorinated Hydrocarbon Pesticides	
Methoxychlor	EPA 8081B
Pentachloronitrobenzene	EPA 8270D
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Pentachlorobenzene	EPA 8270D
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
2,4-DB	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Dichloroprop	EPA 8151A
Dinoseb	EPA 8151A
Haloethers	
4-Bromophenylphenyl ether	EPA 8270D

Haloethers	
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 8270D
Low Level Polynuclear Aromatic Hydrocarbons	
Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM
Metals I	
Barium, Total	EPA 6010C
	EPA 6020A
Cadmium, Total	EPA 6010C

Serial No.: 50612

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 486-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

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175 RT 46 WEST, UNIT D
FAIRFIELD, NJ 07004

NY Lab Id No: 11408

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Metals I	
Cadmium, Total	EPA 6020A
Calcium, Total	EPA 6010C
	EPA 6020A
Chromium, Total	EPA 6010C
	EPA 6020A
Copper, Total	EPA 6010C
	EPA 6020A
Iron, Total	EPA 6010C
	EPA 6020A
Lead, Total	EPA 6010C
	EPA 6020A
Magnesium, Total	EPA 6010C
	EPA 6020A
Manganese, Total	EPA 6010C
	EPA 6020A
Nickel, Total	EPA 6010C
	EPA 6020A
Potassium, Total	EPA 6010C
	EPA 6020A
Silver, Total	EPA 6010C
	EPA 6020A
Sodium, Total	EPA 6010C
	EPA 6020A
Metals II	
Aluminum, Total	EPA 6010C

Metals II	
Aluminum, Total	EPA 6020A
Antimony, Total	EPA 6010C
	EPA 6020A
Arsenic, Total	EPA 6010C
	EPA 6020A
Beryllium, Total	EPA 6010C
	EPA 6020A
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6010C
	EPA 6020A
Vanadium, Total	EPA 6010C
	EPA 6020A
Zinc, Total	EPA 6010C
	EPA 6020A
Metals III	
Cobalt, Total	EPA 6010C
	EPA 6020A
Molybdenum, Total	EPA 6010C
	EPA 6020A
Thallium, Total	EPA 6010C
	EPA 6020A
Tin, Total	EPA 6010C
Minerals	
Bromide	EPA 9056A

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Minerals	
Chloride	EPA 9056A
Fluoride, Total	EPA 9056A
Sulfate (as SO4)	EPA 9056A
Miscellaneous	
Boron, Total	EPA 6010C
Cyanide, Total	EPA 9012B
Extractable Organic Halides	EPA 9023
Organic Carbon, Total	Lloyd Kahn Method
	EPA 9060A
Sulfide (as S)	EPA 9034
Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270D
2,6-Dinitrotoluene	EPA 8270D
Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D
Pyridine	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Nutrients	
Nitrate (as N)	EPA 9056A
Nitrite (as N)	EPA 9056A
Orthophosphate (as P)	EPA 9056A

Organophosphate Pesticides	
Parathion ethyl	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015D
	EPA 8015C
Gasoline Range Organics	EPA 8260C
Oil and Grease Total Recoverable (HEM	EPA 9071B (Solvent:Hexane)
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
PCB-1016	EPA 8082A
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
PCB-1254	EPA 8082A
PCB-1260	EPA 8082A
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A

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All approved analytes are listed below:

Polynuclear Aromatic Hydrocarbons	
Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D
Priority Pollutant Phenols	
2,3,4,6 Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D

Priority Pollutant Phenols	
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D
Semi-Volatile Organics	
1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D
Volatile Aromatics	
1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C

Serial No.: 50612

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. STANLEY E. GILEWICZ
HAMPTON-CLARKE INC/VERITECH
175 RT 46 WEST. UNIT D
FAIRFIELD, NJ 07004

NY Lab Id No: 11408

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Volatile Aromatics	
1,3-Dichlorobenzene	EPA 8260C
1,4-Dichlorobenzene	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C
Ethyl benzene	EPA 8260C
Isopropylbenzene	EPA 8260C
m/p-Xylenes	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
o-Xylene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C
tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
Total Xylenes	EPA 8260C

Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C

Volatile Halocarbons	
1,1,2-Trichloroethane	EPA 8260C
1,1-Dichloroethane	EPA 8260C
1,1-Dichloroethene	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C
1,2-Dichloropropane	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C
Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 8260C
Bromoform	EPA 8260C
Bromomethane	EPA 8260C
Carbon tetrachloride	EPA 8260C
Chloroethane	EPA 8260C
Chloroform	EPA 8260C
Chloromethane	EPA 8260C
cis-1,2-Dichloroethene	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C
Dibromochloromethane	EPA 8260C
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C

Serial No.: 50612

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. STANLEY E. GILEWICZ
HAMPTON-CLARKE INC/VERITECH
175 RT 46 WEST, UNIT D
FAIRFIELD, NJ 07004

NY Lab Id No: 11408

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Volatile Halocarbons	
Methyl iodide	EPA 8260C
Methylene chloride	EPA 8260C
Tetrachloroethene	EPA 8260C
trans-1,2-Dichloroethene	EPA 8260C
trans-1,3-Dichloropropene	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C
Trichlorofluoromethane	EPA 8260C
Vinyl chloride	EPA 8260C
Volatile Organics	
1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Di-ethyl ether	EPA 8260C
Ethyl Acetate	EPA 8260C
Ethylene Glycol	EPA 8015D
	EPA 8015C
Isobutyl alcohol	EPA 8015D
	EPA 8015C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C

Volatile Organics	
Methyl tert-butyl ether	EPA 8260C
o-Toluidine	EPA 8270D
tert-butyl alcohol	EPA 8260C
	EPA 8015D
	EPA 8015C
Vinyl acetate	EPA 8260C
Sample Preparation Methods	
	EPA 5035A-L
	EPA 5035A-H
	EPA 3580A
	EPA 9030B
	EPA 3010A
	EPA 3005A
	EPA 3050B
	EPA 3550C
	EPA 3546A
	EPA 3585
	EPA 3031
	EPA 3060A
	EPA 9010C

Serial No.: 50612

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. STANLEY E. GILEWICZ
HAMPTON-CLARKE INC/VERITECH
175 RT 46 WEST, UNIT D
FAIRFIELD, NJ 07004

NY Lab Id No: 11408

Is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Sample Preparation Methods

EPA 5035A-L

Serial No.: 50613

APPENDIX 2

MUNOZ TRUCKING CORPORATION PERMITS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-777

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

MUNOZ TRUCKING, CORP.
138 OVERLOOK AVENUE
BELLEVILLE, NJ 07109

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	MANUEL MUNOZ	EFFECTIVE DATE:	09/29/2014
COUNTY:	OUT OF STATE	EXPIRATION DATE:	09/28/2015
TELEPHONE NO:	(973)751-8885	US EPA ID NUMBER:	NJD045995693

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
110 Sand Company Clean Fill Disposal Site	Melville , NY	Non-Hazardous Industrial/Commercial	
ALHERN HENRY HARRIS SANITARY LANDFILL	HARRISON TOWNSHIP , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
ALL ISLAND MASONRY SUPPLY, INC.	KINGS PARK , NY	Non-Hazardous Industrial/Commercial	
BAYSHORE RECYCLING	WOODBRIDGE , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BAYSHORE RECYCLING CORPORATION	KEASBEY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BELLMAWR WATERFRONT DEVELOPMENT	BELLMAWR , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BURLINGTON COUNTY RESOURCE RECOVERY COMPLES	MANSFIELD , NJ	Non-Hazardous Industrial/Commercial	
CASIE ECOLOGY OIL SALVAGE INC	VINELAND , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Grease Trap Waste Hazardous Industrial/Commercial	
CLEAN EARTH OF CARTERET	CARTERET , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF MARYLAND	HAGERSTOWN , MD	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF NEW CASTLE, INC.	NEW CASTLE , DE	Non-Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS: New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

AUTHORIZED SIGNATURE: _____ Date: 9/8/14

NOTICE

This renewed permit is not valid until the effective date listed on the permit

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364

WASTE TRANSPORTER PERMIT NO. NJ-777

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

MUNOZ TRUCKING, CORP.
138 OVERLOOK AVENUE
BELLEVILLE, NJ 07109

CONTACT NAME: MANUEL MUNOZ
COUNTY: OUT OF STATE
TELEPHONE NO: (973)751-8885

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

EFFECTIVE DATE: 09/29/2014
EXPIRATION DATE: 09/28/2015
US EPA ID NUMBER: NJD045995693

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
CLEAN EARTH OF NEW CASTLE, INC.	NEW CASTLE , DE	Petroleum Contaminated Soil	
CLEAN EARTH OF NEW JERSEY	SOUTH KEARNY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial	
CLEAN EARTH OF PHILADELPHIA	PHILADELPHIA , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF SOUTHEAST PENNSYLVANIA	MORRISVILLE , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
COPLAY AGGREGATES	WHITEHALL , PA	Petroleum Contaminated Soil	
CUMBERLAND COUNTY IMPROVEMENT AUTHORITY	MILLVILLE , NJ	Non-Hazardous Industrial/Commercial	
DUPONT GRASSELLI SITE	LINDEN CITY , NJ	Non-Hazardous Industrial/Commercial	
DURABLE RECYCLING	BAYONNE , NJ	Non-Hazardous Industrial/Commercial	
EXPERT RECYCLING SERVICE LLC	OLD BRIDGE , NJ	Non-Hazardous Industrial/Commercial	
FENIMORE SANITARY LANDFILL	ROXBURY , NJ	Non-Hazardous Industrial/Commercial	
FORMER NUODEX, INC. (AKA EPEC POLYMERS INC.)	KEASBY , NJ	Non-Hazardous Industrial/Commercial	
GROWS LANDFILL (WASTE MGT.)	MORRISVILLE , PA	Non-Hazardous Industrial/Commercial Asbestos	
I.S.P.	LINDEN , NJ	Non-Hazardous Industrial/Commercial	
IMPACT REUSE AND RECOVERY CENTER	LYNDHURST , NJ	Non-Hazardous Industrial/Commercial	
JERC PARTNERS VII/LLC	EDISON , NJ	Non-Hazardous Industrial/Commercial	
LINCOLN PARK WEST LANDFILL	JERSEY CITY , NJ	Non-Hazardous Industrial/Commercial	
LINDEN DEVELOPMENT LLC (FORMER GM LINDEN ASSEMBLY PLANT)	LINDEN , NJ	Non-Hazardous Industrial/Commercial	
MALANKA MILL LANDFILL	SECAUCUS , NJ	Non-Hazardous Industrial/Commercial	
MIDDLESEX COUNTY UTILITIES AUTHORITY-EDGEBORO LANDFILL	EAST BRUNSWICK , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
MORRIS BLANCHARD REDEVELOPMENT	NEWARK , NJ	Non-Hazardous Industrial/Commercial	
NORTH BERGEN RECYCLING	NORTH BERGEN , NJ	Non-Hazardous Industrial/Commercial	
Pebble Lane Associates	Maspeth , NY	Non-Hazardous Industrial/Commercial	
PHASE III ENVIRONMENTAL	PALMERTON , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
PURE SOIL TECHNOLOGIES	JACKSON , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364

WASTE TRANSPORTER PERMIT NO. NJ-777

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

MUNOZ TRUCKING, CORP.
138 OVERLOOK AVENUE
BELLEVILLE, NJ 07109

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	MANUEL MUNOZ	EFFECTIVE DATE:	09/29/2014
COUNTY:	OUT OF STATE	EXPIRATION DATE:	09/28/2015
TELEPHONE NO:	(973)751-8885	US EPA ID NUMBER:	NJD045995693

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
RIVER TERMINAL DEVELOPMENT	SOUTH KEARNY , NJ	Non-Hazardous Industrial/Commercial	
SAXTON FALLS	MT. OLIVE , NJ	Petroleum Contaminated Soil	
SKYMARK DEVELOPMENT CO.	RIDGEFIELD PARK , NJ	Non-Hazardous Industrial/Commercial	
SLRD COMPANY MULLICA HILL, LLC	MULLICA HILL , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
SOIL SAFE, INC.	LOGAN TOWNSHIP , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
SOIL SAFE-METRO 12	CARTERET , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
TETERBORO LANDING	TETERBORO , NJ	Non-Hazardous Industrial/Commercial	
TOTAL RECYCLING CORPORATION/FULLERTON SLAG BANK	ALLENTOWN , PA	Non-Hazardous Industrial/Commercial	
TULLYTOWN RESOURCE RECOVERY FACILITY	TULLYTOWN , PA	Non-Hazardous Industrial/Commercial	
WESTSIDE TRANSLOAD LLC	NORTH BERGEN , NJ	Non-Hazardous Industrial/Commercial	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-777

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

MUNOZ TRUCKING, CORP.
138 OVERLOOK AVENUE
BELLEVILLE, NJ 07109

PERMIT TYPE:

- ☐ NEW
- ■ RENEWAL
- ☐ MODIFICATION

CONTACT NAME:	MANUEL MUNOZ	EFFECTIVE DATE:	09/29/2014
COUNTY:	OUT OF STATE	EXPIRATION DATE:	**09/28/2015**
TELEPHONE NO:	(973)751-8885	US EPA ID NUMBER:	NJD045995693

AUTHORIZED VEHICLES:

The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

113 (One Hundred and Thirteen) Permitted Vehicle(s)

NJ AJ151Y	NJ AN467M	NJ AP694F
NJ AJ398Y	NJ AN509W	NJ AP776R
NJ AJ525N	NJ AN556Y	NJ AP791H
NJ AJ731S	NJ AN581J	NJ AP792H
NJ AK176A	NJ AN618X	NJ AP812A
NJ AK201S	NJ AN639J	NJ AP886R
NJ AK210S	NJ AN788K	NJ AP887R
NJ AK597T	NJ AN841B	NJ AP951N
NJ AK724D	NJ AN842B	NJ AP952N
NJ AK972W	NJ AN843B	NJ AP953P
NJ AL205D	NJ AN871W	NJ AP962W
NJ AL312C	NJ AN877X	NJ AR166G
NJ AL578L	NJ AN951K	NJ AR167G
NJ AL699T	NJ AP124L	NJ AR497D
NJ AL716E	NJ AP127L	NJ AR498D
NJ AL794W	NJ AP129L	NJ AR521D
NJ AM219Z	NJ AP130L	NJ AR522D
NJ AM248W	NJ AP153H	NJ AR556H
NJ AM382T	NJ AP230U	NJ AR559H
NJ AM383T	NJ AP234E	NJ AR560H
NJ AM509Z	NJ AP235E	NJ AR561H
NJ AM583P	NJ AP236E	NJ AR562H
NJ AM820Z	NJ AP237E	NJ AR951E
NJ AM821Z	NJ AP256H	End of List
NJ AM936S	NJ AP278K	
NJ AN129Z	NJ AP279K	
NJ AN130Z	NJ AP342D	
NJ AN131Z	NJ AP343D	
NJ AN132Z	NJ AP344D	
NJ AN193B	NJ AP345D	
NJ AN294J	NJ AP345S	
NJ AN382L	NJ AP346D	
NJ AN383L	NJ AP347D	
NJ AN384L	NJ AP391B	
NJ AN385L	NJ AP395N	
NJ AN386L	NJ AP397N	
NJ AN387L	NJ AP414M	
NJ AN388L	NJ AP440M	
NJ AN389L	NJ AP515D	
NJ AN421H	NJ AP516D	
NJ AN448T	NJ AP517D	
NJ AN463M	NJ AP518D	
NJ AN464M	NJ AP519D	
NJ AN465M	NJ AP552R	
NJ AN466M	NJ AP688X	

APPENDIX 3

CLEAN EARTH OF CARTERET

APPENDIX 3A

CLEAN EARTH OF CARTERET PERMIT

State of New Jersey

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAIL CODE 401-02C
SOLID AND HAZARDOUS WASTE MANAGEMENT PROGRAM
401 EAST STATE STREET, 2ND FLOOR WEST
P.O. BOX 420
TRENTON, NJ 08625-0420
Telephone: (609) 292-9880 Telecopier: (609) 633-9839
http://www.state.nj.us/dep/dshw

BOB MARTIN
Commissioner

March 14, 2012

Thomas J. Kushnir
General Manager
Clean Earth of Carteret, Inc.
24 Middlesex Avenue
Carteret, NJ 07008

Re: Notice of Administrative Completeness
Application for Renewal with Modifications of a Recycling Center General Approval for a Class B Facility
Clean Earth of Carteret, Inc.
Block 1, Lot 302
Borough of Carteret, Middlesex County
Facility ID No: 132310
Permit No.: CBG120002

Dear Mr. Kushnir:

The Bureau of Transfer Stations & Recycling Facilities (Bureau) is in receipt of a Recycling Center General Approval renewal application received on March 9, 2012 for the above referenced facility. In addition to activities currently permitted, the applicant requests the acceptance of restricted use aggregate and direct reuse soils, and the addition of Storage Area D.

The Bureau has completed a review of the application to determine if the submittal is administratively complete pursuant to N.J.A.C. 7:26A-3.5. Upon review, the Bureau has determined the application for renewal of the Recycling Center General Approval is ADMINISTRATIVELY COMPLETE.

Since the Bureau has determined the renewal application is administratively complete, all conditions of the existing General Approval for the facility will remain effective pursuant to N.J.S.A. 52:14B-11.

If you have any questions concerning this matter, please contact Joseph Staab of my staff at (609) 984-2209, or by email at joseph.staab@dep.state.nj.us.

Sincerely,

Anthony Fontana, Chief
Bureau of Transfer Stations & Recycling Facilities

c: John Barry, SW Compliance & Enforcement Acting Bureau Chief
Brian Petitt, SW Compliance & Enforcement Supervisor
Jim Scully, SW Compliance & Enforcement
Bruce Witkowski, BTSRF Supervisor, Solid Waste Permitting
David Papi, Director, Middlesex County CEHA Agent
Chris Sikorski, Middlesex Recycling Coordinator
Kathleen M. Barney, Borough of Carteret Municipal Clerk
Michael Logan, Compliance Plus Services, Inc.

JON S. CORZINE
Governor

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Solid and Hazardous Waste Management Program
Bureau of Transfer Stations & Recycling Facilities
P.O. Box 414 401 East State Street
Trenton, New Jersey 08625-0414
Telephone: (609) 984-5950 Telecopier: (609) 633-9839
http://www.state.nj.us/dep/dshw

LISA P. JACKSON
Commissioner

January 15, 2009

Thomas J. Kushnir
General Manager
Clean Earth of Carteret, Inc.
24 Middlesex Avenue
Carteret, NJ 07008

Re: Modification of a Class B Recycling Center General Approval
Clean Earth of Carteret, Inc.
Block 1, Lot 302
Borough of Carteret, Middlesex County
Facility ID No: 132310
Permit No.: CBG080002

Dear Mr. Kushnir:

Please be advised that the New Jersey Department of Environmental Protection, Solid & Hazardous Waste Management Program has reached a final determination to modify the Recycling Center General Approval for the referenced facility. Enclosed is a copy of the final document.

Should you wish to contest any of the conditions of the enclosed general approval, you must file a request for an adjudicatory hearing within twenty (20) days of the date you receive this decision notice in accordance with the procedures found in N.J.A.C. 7:26A-3.14. A copy of the request should also be mailed to this office.

If you have any questions concerning this matter, please contact Joseph Staab of my staff at (609) 984-6814, or by email at joseph.staab@dep.state.nj.us.

Sincerely,

Anthony Fontana

Anthony Fontana, Chief
Bureau of Transfer Stations
and Recycling Facilities

Enclosures

C: Rai Belonzi, Chief, County Environmental and Waste Enforcement
Brian Petitt, Supervisor, County Environmental and Waste Enforcement
Bruce Witkowski, Supervisor, Solid Waste Permitting
David Papi, Director, Middlesex County CEHA Agent
Chris Sikorski, Middlesex Recycling Coordinator
Kathleen M. Barney, Borough of Carteret Municipal Clerk
Michael Logan, Compliance Plus Services, Inc.

JON S. CORZINE
Governor

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Solid & Hazardous Waste Management Program
P.O. Box 414 401 East State Street
Trenton, New Jersey 08625-0414
Telephone: (609) 984-5950 Telecopier: (609) 633-9839
http://www.state.nj.us/dep/dshw

LISA P. JACKSON
Commissioner

RECYCLING CENTER GENERAL APPROVAL FOR CLASS B RECYCLABLE MATERIALS, STREET SWEEPINGS AND PETROLEUM CONTAMINATED SOIL

Under the provisions of N.J.S.A. 13:1E-1 *et seq.* and N.J.S.A. 13:1E-99.11 *et seq.*, known as the Solid Waste Management Act and New Jersey Statewide Mandatory Source Separation and Recycling Act, respectively, and pursuant to N.J.A.C. 7:26A-1 *et seq.*, known as the Recycling Regulations, this approval is hereby issued to:

Clean Earth of Carteret, Inc.

Facility Type:	Recycling Center for Class B Materials
Lot No.:	3.02
Block No.:	1
Municipality:	Borough of Carteret
County:	Middlesex
Facility Registration No.:	132310

This General Approval is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection (Department).

This General Approval shall not prejudice any claim the State may have to riparian land nor does it allow the registrant to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be riparian, wetlands, stream encroachment or flood plains, or within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits, or approvals from the Department of Environmental Protection.

March 7, 2007
Issuance Date

January 15, 2009
Modification Date

March 7, 2012
Expiration Date

Anthony Fontana, Chief
Bureau of Transfer Stations and
Recycling Facilities

Scope of Approval

This General Approval (approval), along with the referenced application documents herein specified, shall constitute the sole approval of Recycling Center operations for Class B Recyclable Material (petroleum contaminated soil, street sweepings, brick, block, concrete, stone, rock, and asphalt) by Clean Earth of Carteret, Inc. located in the Borough of Carteret, Middlesex County, New Jersey. Any registration, approval or permit previously issued by the Solid and Hazardous Waste Management Program, or its predecessor agencies, for the specific activities as described below and as conditioned herein, is hereby superseded.

This approval is a modification of the General Approval issued on March 7, 2007.

January 15, 2009 . This modification allows Clean Earth of Carteret, Inc to receive, process and transfer the following additional materials at the facility: brick, block, concrete, stone, rock, and asphalt.

Regulated Activities at the Facility

Items 1 through 39 of this approval contain the general conditions applicable to all recycling centers. Items 40 through 87 of this approval contain the general operating requirements for all recycling centers that receive, store, process, or transfer Class B recyclable materials including non-hazardous petroleum contaminated soils. Items 88 through 91 of this approval are the sampling requirements for testing the street sweepings.

Items 92 through 101 and 102 through 111 of this approval contain the conditions for Phase 1 & 2 of the aggregate crushing operations, respectively. In Phases 1 & 2 of the crushing operations, Clean Earth of Carteret, Inc. will be producing a dense grade aggregate (DGA) in support of the proposed Reichold Chemical remedial capping project for the site that is being completed under an ISRA Site Remedial Action Workplan. To accommodate the construction of the cap, two temporary phases are needed which allows the crushing operations and temporary stockpile areas to be moved within the site.

Items 112 through 119 of this approval contain the conditions for the Final Phase of the aggregate crushing operations. The Final Phase of the crushing operations allows Clean Earth of Carteret, Inc, to continue to accept and process these Class B materials on a permanent basis and marketing the end product offsite.

Facility Description

The recycling center is a Class B facility owned and operated by Clean Earth of Carteret, Inc. The recycling center is located at 24 Middlesex Avenue on Block 1, Lot 3.02, in Borough of Carteret, Middlesex County. This regional recycling center receives petroleum-contaminated soil from soil remediation contractors and street sweepings from municipalities. The recycling center is authorized to accept petroleum-contaminated soil and street sweepings Monday through Friday and to process petroleum contaminated soil Monday through Saturday. The recycling center is authorized to receive, process and transfer brick, block, concrete, stone, rock, and asphalt Monday through Saturday under Phases 1 & 2 and Monday through Friday under the Final Phase.

The recycling center is also utilized for finished product storage and equipment storage as shown on the site plan. The recycling center markets clean soil and DGA from the site.

Approved General Approval Application and Associated Documents

The registrant shall construct and operate the facility in accordance with N.J.A.C. 7:26A-1 *et seq.*, the conditions of this Approval, and the following documents:

a) Site plan: Sheets SP1 and A1, prepared by Leonard Busch Associates, signed and sealed by Leonard Busch, P.E., NJ License No. 9531, dated October 13, 2000.

b) S.D.&G. Aggregates, Inc., Application for Recycling Center General Approval, prepared by AJV Engineering, signed by Angelo J. Valetutto, P.E., dated March 1, 1996.

c) S.D.&G. Aggregates, Inc., Addendum to the March 1, 1996 recycling center application, prepared by AJV Engineering, signed by Angelo J. Valetutto, P.E., dated April 17, 1996.

d) S.D.&G. Aggregates, Inc., Submission of Middlesex County Board of Chosen Freeholders Solid Waste Plan Amendment Resolution, prepared by AJV Engineering, signed by Angelo J. Valetutto, P.E., dated August 16, 1996.

e) S.D.&G. Aggregates, Inc., Submission of Waterfront Development Permit, prepared by AJV Engineering, signed by Angelo J. Valetutto, P.E., dated September 3, 1996.

f) S.D.&G. Aggregates, Inc., Submittal of revised site plan and calculations, prepared by AJV Engineering, signed by Angelo J. Valetutto, P.E., dated November 14, 1996.

g) S.D.&G. Aggregates, Inc., Modification request, prepared by AJV Engineering, signed by Angelo J. Valetutto, P.E., dated February 12, 1997.

h) S.D.&G. Aggregates, Inc., Response to technical requirements for contaminated soils, prepared by S.D.&G. Aggregates, Inc., signed by Michael Goebner, President, Carteret Biocycle Corporation, dated October 23, 1997.

i) S.D.&G. Aggregates, Inc., Modification request, prepared by S.D.&G. Aggregates, Inc., signed by Michael Goebner, President, Carteret Biocycle Corporation, dated October 29, 1997.

j) S.D.&G. Aggregates, Inc., Submittal of new site plan, prepared by S.D.&G. Aggregates, Inc., signed by Michael Goebner, President, Carteret Biocycle Corporation, dated October 29, 1997.

k) S.D.&G. Aggregates, Inc., Request for modification of sampling requirements, signed by Michael Goebner, President, Carteret Biocycle Corporation, dated April 19, 1999.

l) S.D.&G. Aggregates, Inc., Request for modification of sampling requirements, signed

by Michael Goebner, President, Carteret Biocycle Corporation, dated December 29, 1999.

m) S.D.&G. Aggregates, Inc., Request for acceptance of street sweepings, signed by Michael Goebner, President, Carteret Biocycle Corporation, dated March 15, 2000.

n) S.D.&G. Aggregates, Inc., Request for site plan modification, signed by Michael Goebner, President, Carteret Biocycle Corporation, dated October 24, 2000.

o) S.D.&G. Aggregates, Inc., Submittal of additional information, signed by Michael Goebner, President, Carteret Biocycle Corporation, dated April 19, 2001.

p) S.D.&G. Aggregates, Inc., Request for renewal, prepared and signed by Michael D. Logan, Vice President, Compliance Plus Services, dated October 17, 2001.

q) Clean Earth of Carteret, Request for transfer of ownership, prepared and signed by Michael D. Logan, Vice President, Compliance Plus Services, dated November 20, 2002.

r) Clean Earth of Carteret, Request for increase in daily capacity, prepared and signed by Michael Goebner, Vice President, dated January 2, 2003.

s) Clean Earth of Carteret, Submittal of signed transfer agreement, prepared and signed by Michael D. Logan, Vice President, Compliance Plus Services, dated May 22, 2003.

t) Clean Earth of Carteret, Submittal of county plan amendment, prepared and signed by Michael D. Logan, Vice President, Compliance Plus Services, dated May 30, 2003.

u) Clean Earth of Carteret, Request for corrections to approval, prepared and signed by Michael D. Logan, Vice President, Compliance Plus Services, dated August 25, 2003

v) Clean Earth of Carteret, Inc., Request for renewal, prepared and signed by Michael D. Logan, Vice President, Compliance Plus Services, dated September 28, 2006.

w) Plan entitled "Floor Plan of Existing Soil Processing Building", prepared by Leonard Busch, P.E., of Leonard Busch Associates, dated February 2, 2005 and last revised March 23, 2006.

x) Clean Earth of Carteret, Inc., Request to utilize cement kiln dust or lime as a drying agent to remove moisture from its treated soils, prepared and signed by Michael D. Logan, Vice President, Compliance Plus Services, dated December 27, 2006.

y) Class B Recycling Center Permit Application, dated February 2006, prepared by Compliance Plus Services, Inc.

z) Class B Recycling Limited Approval Checklist, dated March 2008, prepared by Compliance Plus Services, Inc.

aa) Updated Information Submission, dated October 14, 2008, prepared by Compliance

Plus Services, Inc.

bb) Proposed Features: drawing No. 009, latest revision dated October 10, 2008, prepared by EarthRes Group, Inc., signed and sealed by Thomas G. Pullar, P.E., NJ License No. 24GE03095500.

cc) Existing Features: drawing No. 001, dated August 19, 2005, prepared by EarthRes Group, Inc., signed and sealed by Thomas G. Pullar, P.E., NJ License No. 24GE03095500.

dd) Details: drawing No. 003, latest revision dated January 17, 2006, prepared by EarthRes Group, Inc., signed and sealed by Thomas G. Pullar, P.E., NJ License No. 24GE03095500.

ee) Limited Class B Operations Plan Phase 1: drawing No. 014, latest revision dated March 24, 2008, prepared by EarthRes Group, Inc., signed and sealed by Thomas G. Pullar, P.E., NJ License No. 24GE03095500.

ff) Limited Class B Operations Plan Phase 2: drawing No. 015, latest revision dated March 24, 2008, prepared by EarthRes Group, Inc., signed and sealed by Thomas G. Pullar, P.E., NJ License No. 24GE03095500.

gg) Addendum to Ground Lease (3rd Lease), dated December 19, 2008, submitted via cover letter by Compliance Plus Services, Inc.

In case of conflict, the provisions of N.J.A.C. 7:26A-1 *et seq.* shall have precedence over the conditions of this Approval, and the conditions of this Approval shall have precedence over plans and specifications listed above.

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1. All persons issued a general approval to operate a recycling center for Class B, Class C and/or Class D recyclable material pursuant to N.J.A.C. 7:26A-1 et seq. shall comply with all conditions of the approval [N.J.A.C. 7:26A-3.1(a)]
2. The holder of this general approval shall prominently post and maintain a legible sign, at or near the entrance to the recycling center, indicating that the recycling center is an approved New Jersey Department of Environmental Protection recycling center. The sign shall also indicate the following: Hours of operation of the recycling center; Listing of the source separated materials to be received; The size, weight, or other restrictions regarding materials to be received; The maximum amount of contaminants allowed in each load; Warning that loads will be inspected and will be barred from offloading if the contaminant level is exceeded; and Notice that the person offloading shall certify the amount of material per load, municipality of origin of the material and any other information contained on the Recyclable Material Receipt Form [N.J.A.C. 7:26A-3.5(f)]
3. Application for renewal of this general approval shall be submitted at least three months prior to expiration of the current approval and shall comply with all requirements for renewal set forth in N.J.A.C. 7:26A-3.6 et seq. One copy of the application for renewal of the general approval shall be submitted by the applicant to the municipal clerk of the municipality in which the recycling center is located, and to the solid waste or recycling coordinator of the county in which the recycling center is located [N.J.A.C. 7:26A-3.6(a)]
4. The applicant for renewal of this general approval shall certify in writing to the Department that there have been no changes in the operations of the recycling center since the issuance of the general approval in order to renew the approval in its existing form. In the event that there have been changes in the operations of the recycling center or where changes are planned, the application for renewal of a general approval shall be accompanied by a written request to modify the general approval in accordance with N.J.A.C. 7:26A-3.10 [N.J.A.C. 7:26A-3.6(b)]
5. In a case where the holder of this general approval does not comply with N.J.A.C. 7:26A-3.6(a) and (b) and continues to operate without renewal of the general approval, the Department may take enforcement action including the assessment of penalties under N.J.S.A. 13:1E-9; require the holder of this general approval to file an application as a new applicant for a general approval in accordance with N.J.A.C. 7:26A-3.2 and pay the application fee as per N.J.A.C. 7:26A-2; and/or take any other appropriate actions [N.J.A.C. 7:26A-3.6(c)]
6. All persons granted a renewal pursuant to N.J.A.C. 7:26A-3.6(d) shall continue to pay the annual fee as specified in N.J.A.C. 7:26A-2 [N.J.A.C. 7:26A-3.6(h)]
7. The holder of this general approval shall obtain prior approval from the Department for any modification of the general approval [N.J.A.C. 7:26A-3.10(a)]
8. Any change affecting the conditions of this general approval requires the prior approval of the Department [N.J.A.C. 7:26A-3.10(b)1]
9. Any change to the information submitted pursuant to N.J.A.C. 7:26A-3.2(a), 3.4, 3.8, 3.18 or 3.19 requires the prior approval of the Department, except that changes in end-market information submitted pursuant to N.J.A.C. 7:26A-3.2(a) 7 shall not require the prior approval of the Department but shall be handled in accordance with N.J.A.C. 7:26A-3.10(f) [N.J.A.C. 7:26A-3.10(b)2]

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10. The holder of this general approval shall notify the Department in writing of the intended modification and shall update the information submitted pursuant to N.J.A.C. 7:26A-3.2(a), 3.4, 3.8, 3.18 or 3.19. The holder of this general approval shall also provide written notice to the solid waste or recycling coordinator of the applicable county of any request to modify a general approval [N.J.A.C. 7:26A-3.10(c)]

11. The holder of this general approval shall not institute the modification until it receives written approval from the Department [N.J.A.C. 7:26A-3.10(e)]

12. Within one week of any change to the end-market information submitted to the Department pursuant to N.J.A.C. 7:26A-3.2(a)7, the holder of this general approval shall submit to the Department a written notification which details any change in the use of the recyclable material transferred from the recycling center to an end-market or in the end-market location to which the recyclable material is transferred. The written notification shall be sent to: New Jersey Department of Environmental Protection, Solid and Hazardous Waste Management Program, Bureau of Transfer Stations and Recycling Facilities, P.O. Box 414, Trenton, New Jersey 08625-0414. [N.J.A.C. 7:26A-3.10(f)]

13. The Department may revoke this general approval upon a determination that the holder of the general approval has violated any provision of N.J.S.A. 13:1E-1 et seq., the New Jersey Statewide Mandatory Source Separation and Recycling Act, or any rule, regulation or administrative order promulgated pursuant to N.J.S.A. 13:1E-1 et seq. and the New Jersey Statewide Mandatory Source Separation and Recycling Act [N.J.A.C. 7:26A-3.13(a)1]

14. The Department may revoke this general approval upon a determination that the holder of the general approval has violated any solid waste utility law at N.J.S.A. 48:2-1 et seq. or 48:13A-1 et seq., or any rule, regulation or administrative order promulgated pursuant to N.J.S.A. 48:2-1 et seq. or 48:13A-1 et seq [N.J.A.C. 7:26A-3.13(a)2]

15. The Department may revoke this general approval upon a determination that the holder of the general approval has violated any provision of any laws related to pollution of the waters, air or land surfaces of the State or of any other State or Federal environmental laws including criminal laws related to environmental protection [N.J.A.C. 7:26A-3.13(a)3]

16. The Department may revoke this general approval upon a determination that the holder of the general approval has refused or failed to comply with any lawful order of the Department [N.J.A.C. 7:26A-3.13(a)4]

17. The Department may revoke this general approval upon a determination that the holder of the general approval has failed to comply with any of the conditions of this general approval issued by the Department [N.J.A.C. 7:26A-3.13(a)5]

18. The Department may revoke this general approval upon a determination that the holder of the general approval has transferred a general approval to a new owner or operator pursuant to N.J.A.C. 7:26A-3.15 without the prior approval of the Department [N.J.A.C. 7:26A-3.13(a)6]

19. The Department may revoke this general approval upon a determination that the holder of the general approval has failed to obtain any required permit or approval from the Department or other State or Federal agency [N.J.A.C. 7:26A-3.13(a)7]

20. The Department may revoke this general approval upon a determination that the holder of the general approval has committed any of the acts which are criteria for denial of a general approval set forth in N.J.A.C. 7:26A-3.11 [N.J.A.C. 7:26A-3.13(a)8]

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21. This general approval shall not be transferred to a new owner or operator without the Department's prior approval [N.J.A.C. 7:26A-3.15(a)]

22. A written request for permission to allow a transfer of this general approval must be received by the Department at least 60 days in advance of the proposed transfer of ownership or operational control of the recycling center. The request for approval shall include the following: the name, address and social security number of all prospective new owners or operators; a written certification by the proposed transferee that the terms and conditions contained in the general approval will be met by the proposed transferee; and a written agreement between the current owner or operator of the recycling center and the proposed new owner or operator containing a specific future date for transfer of ownership or operational control [N.J.A.C. 7:26A-3.15(a)1]

23. A new owner or operator may commence operations at the recycling center only after the existing approval has been revoked and a new approval is issued to the new owner or operator pursuant to N.J.A.C. 7:26A-3.5 [N.J.A.C. 7:26A-3.15(a)2]

24. The holder of this general approval remains liable for ensuring compliance with all conditions of the approval unless and until the existing approval is revoked and a new approval is issued to the new owner or operator pursuant to N.J.A.C. 7:26A-3.5 [N.J.A.C. 7:26A-3.15(a)3]

25. Compliance with the transfer requirements set forth at N.J.A.C. 7:26A-3.15 shall not relieve the holder of this general approval from the separate responsibility of providing notice of such transfer pursuant to the requirements of any other statutory or regulatory provision [N.J.A.C. 7:26A-3.15(a)4]

26. The transfer of a controlling interest in the stock or assets of the recycling center that is the subject of this general approval shall constitute a transfer of this general approval [N.J.A.C. 7:26A-3.15(b)]

27. The holder of this general approval shall maintain a daily record of the amounts of each recyclable material by type and municipality of origin which are received, stored, processed or transferred each day, expressed in tons, cubic yards, cubic feet or gallons. Those operators specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons [N.J.A.C. 7:26A-3.17(a)1]

28. The holder of this general approval shall maintain a daily record of the name, address and telephone number of the end-markets for all recyclable materials transported from the recycling center, including the amounts, in tons, cubic yards, cubic feet or gallons, transported to each end-market. Those persons specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons [N.J.A.C. 7:26A-3.17(a)2]

29. The holder of this general approval shall maintain a daily record of the amount of residue disposed of, expressed in tons, cubic yards, cubic feet or gallons, including the name and New Jersey Department of Environmental Protection solid waste registration number of the solid waste collector/hauler contracted to provide the haulage/disposal service. Those persons specifying the amount of residue in cubic yards shall also indicate the conversion ratio of the residue from cubic yards to tons. [N.J.A.C. 7:26A-3.17(a)3]

30. The holder of this general approval shall retain all Recyclable Material Receipt Forms required pursuant to N.J.A.C. 7:26A-3.2(a)16iii for three calendar years following the calendar year for which an annual report is required pursuant to N.J.A.C. 7:26A-3.17(c) [N.J.A.C. 7:26A-3.17(b)]

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31. The holder of this general approval shall submit an annual report containing monthly summary statements of the information required pursuant to N.J.A.C. 7:26A-3.17(a) to the New Jersey Department of Environmental Protection, Solid and Hazardous Waste Management Program, on or before March 1 of each year, for the previous calendar year. The summaries shall include the following: monthly totals of the amount of recyclable material received from each customer by municipality of origin; monthly totals of the amount of recyclable product transferred to each end-market; and the amount of residue disposed of during each month. [N.J.A.C. 7:26A-3.17(c)]

32. The holder of this general approval shall certify in writing to the Department that all residue generated at the recycling center has been disposed of in accordance with the solid waste management rules at N.J.A.C. 7:26. The certification shall be submitted annually as part of the annual report [N.J.A.C. 7:26A-3.17(e)]

33. All information submitted to the Department pursuant N.J.A.C. 7:26A shall be handled in accordance with the requirements of the Public Records law, N.J.S.A. 47:1-1 et seq. The Department will hold confidential all end-market information, as well as information pertaining to the municipality of origin of recyclable material, submitted pursuant to N.J.A.C 7:26A-3.2, 3.7, and 3.17 through 3.20 for a period of two years from the date on which the information is submitted to the Department, where specified as confidential by the applicant and where there are no health, safety or environmental concerns which require the release of the information, as determined by the Department. [N.J.A.C. 7:26A-3.17(f)]

34. The holder of this general approval shall provide a recycling tonnage report by February 1 of each year to all municipalities from which recyclable material is received in the previous calendar year. The report shall detail the amount of each source separated recyclable material, expressed in tons or cubic yards, brought to the recycling center, as well as the date on which the recyclable materials were delivered to the recycling center. Those persons specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons [N.J.A.C. 7:26A-4.4(a)]

35. The recycling center shall not commence operations unless and until it is included in the applicable district solid waste management plan [N.J.A.C. 7:26A-4.2]

36. The construction of the recycling center that is the subject of this general approval shall be in conformance with the New Jersey Uniform Construction Code, N.J.S.A. 52:27D-119 et seq., and the rules promulgated pursuant thereto [N.J.A.C. 7:26A-4.1(b)]

37. The New Jersey Department of Environmental Protection or an authorized representative acting pursuant to the County Environmental Health Act, N.J.S.A. 26:3A2-1 et seq. shall have the right to enter and inspect any building or other portion of the recycling center at any time in order to determine compliance with the provisions of all applicable laws or rules and regulations adopted pursuant thereto. This right to inspect includes, but is not limited to: sampling any materials on site; photographing any portion of the recycling center; investigating an actual or suspected source of pollution of the environment; and, ascertaining compliance or non-compliance with the statutes, rules or regulations of the Department, including conditions of the recycling center approval issued by the Department. [N.J.A.C. 7:26A-4.3(a)]

38. The right of entry specified at N.J.A.C. 7:26A-4.3(a) shall be limited to normal operating hours for the purpose of reviewing and copying all applicable records, which shall be made available to the Department during an inspection and submitted to the Department upon request [N.J.A.C. 7:26A-4.3(b)]

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39. The facility shall comply with the general operating requirements for all Recycling Centers as provided at N.J.A.C. 7:26A-4.1 [N.J.A.C. 7:26A-4]

Subject Item: RCBG139162 - General Class B & Soil Conditions

40. Recycling centers receiving petroleum contaminated soil, a preparedness and prevention plan and the contingency plan contained in the approved documents must be maintained on-site and updated as necessary. [N.J.A.C. 7:26A-3.5(e)]

41. The preparedness and prevention plan and the contingency plan contained in the approved documents must be maintained on-site and updated as necessary. [N.J.A.C. 7:26A-3.5(e)]

42. Upon detection of a release of contaminants to the environment, the facility shall perform the following cleanup steps: stop the release, contain the released contaminants, clean up and manage properly the released contaminants and other materials and if necessary, repair or replace any leaking soil containment systems prior to returning them to service. [N.J.A.C. 7:26A-3.5(e)]

43. Upon closure of the facility the owner or operator shall remove or decontaminate petroleum contaminated soils, containment system components, and structures and equipment and manage them as hazardous waste, unless the materials are not hazardous waste under NJAC 7:26G-5. [N.J.A.C. 7:26A-3.5(e)]

44. All equipment and portions of the facility designated for the storage or processing of petroleum contaminated soils shall be visually inspected each operating day for integrity and leaks. [N.J.A.C. 7:26A-3.5(e)]

45. Records shall be maintained for all visual inspections. These records shall document that inspections were performed, any problems found, and the subsequent correction of such problems. All records shall be kept for a minimum of three years. [N.J.A.C. 7:26A-3.5(e)]

46. The facility shall keep a record of each shipment of petroleum contaminated soil accepted for processing. These records may take the form of a log, invoice, manifest, bill of lading or other shipping documents. All tracking records must be kept for a minimum of three years. Records for each shipment shall include the following information: the name and address of the transporter who delivered the soil to the facility, the name and address of the generator from whom the soil was sent, the NJDEP registration number of the transporter, EPA ID number (if applicable) of the generator, the quantity of soil accepted and the date of acceptance. [N.J.A.C. 7:26A-3.5(e)]

47. The facility shall maintain on-site a written operating record showing analysis records, tracking records, and summary reports of incidents requiring implementation of the contingency plan. This information shall be made available to Department personnel upon request and shall be kept for a minimum of three years. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG139162 - General Class B & Soil Conditions

48. The following source separated Class B recyclable materials, which have been separated at the point of generation from other waste materials or separated at a permitted solid waste facility authorized to separate recyclable materials, may be received, stored, processed or transferred at this recycling center: NJDOT street sweepings (that meet NJ Non-Residential Direct Contact Soil Cleanup Criteria) and non-hazardous petroleum contaminated soils which otherwise would be ID 27 if not recycled. Only soil contaminated with the following compounds shall be accepted and processed at this facility: gasoline, kerosene, jet fuel, Numbers 1 through 6 fuel oil, and used oil. Used oil shall be defined as any oil that has been refined from crude oil, or any synthetic oil, that has been used and as a result of such use is contaminated by physical or chemical impurities. No soils may be accepted that have been contaminated with materials that are other waste materials, or waste by-products, such as sludges. No soils with free petroleum product or other liquids, as determined by USEPA SW-846, Method 9095, Chapter 6.0, shall be accepted at the facility. No hazardous waste, as defined by N.J.A.C. 7:26G-5, shall be accepted by the facility. [N.J.A.C. 7:26A-3.5(e)]

49. At no time shall the receipt, storage, processing, or transferring of non-source separated construction and demolition material be allowed at this recycling center. The prohibition of this material shall be strictly enforced and any incident shall be considered a serious violation to the conditions of this Approval. [N.J.A.C. 7:26A-3.5(e)]

50. The recycling center may not receive, store, process, or transfer source separated petroleum contaminated soils and NJDOT street sweepings with any other Class B recyclable materials. The commingling of petroleum contaminated soil and NJDOT street sweepings shall only be allowed after the testing requirements identified in this approval have been met. The commingling of any other materials not described above is prohibited. [N.J.A.C. 7:26A-3.5(e)]

51. The maximum amount of contaminants, as defined in N.J.A.C. 7:26A-1.3, allowed in each incoming load of Class B recyclable material shall be limited to 1% by volume. Incidental by-product materials shall not be considered to be contaminants. [N.J.A.C. 7:26A-3.5(e)]

52. Incidental amounts of rebar, metal, soil, and other by-products which adhere to the Class B recyclable materials, as specified in this Approval, and which are returned to the economic mainstream as raw material or products, may be received, stored, processed, or transferred at this recycling center. The receipt of such incidental amounts of these materials need not be separately accounted for, but the storage and end-markets for these materials shall be subject to specific conditions of this Approval. [N.J.A.C. 7:26A-3.5(e)]

53. The holder of this general approval shall operate the recycling center and construct or install associated appurtenances thereto, in accordance with the provisions of N.J.A.C. 7:26A-1 et seq., the conditions of this general approval, and the general approval application documents. [N.J.A.C. 7:26A-3.5(e)]

54. In case of conflict, the conditions of this approval shall have precedence over the general approval application documents, and the most recent revisions and supplemental information approved by the Department shall prevail over prior submittals and designs. [N.J.A.C. 7:26A-3.5(e)]

55. One complete set of the general approval application documents, this general approval, and all records, reports and plans as may be required pursuant to this approval shall be kept on file at the recycling center and shall be available for inspection by authorized representatives of the Department or delegated agents upon presentation of credentials. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG139162 - General Class B & Soil Conditions

56. Hours of operation for receiving the source separated recyclable material shall be limited to: 7:00 a.m. to 5:00 p.m., Monday through Friday and the hours of operation for storing, processing, and transferring the source separated recyclable material shall be limited to 7:00 a.m. to 1:00 a.m., Monday through Friday and 7:00 a.m. to 5:00 p.m. on Saturday. [N.J.A.C. 7:26A-3.5(e)]

57. Material deliveries to the recycling center shall be scheduled in such a manner as to minimize truck queuing on the recycling center property. Under no circumstances shall delivery trucks be allowed to back-up or queue onto public roads. [N.J.A.C. 7:26A-3.5(e)]

58. The recycling center may receive no more than 2,700 tons per day of peroleum contaminated soils and street sweepings. This condition is contingent upon the traffic on the public roads adjacent to the facility not being adversely affected. Should the traffic be impacted by the facility, the Department reserves the right to reduce the capacity of the facility. [N.J.A.C. 7:26A-3.5(e)]

59. The total amount of unprocessed/processed soil material stored in the "soil storage warehouse" shall not exceed 18,287 cubic yards. Materials stored in the "soil storage warehouse" shall be stored only in those areas designated for that purpose as indicated on the approved site plan drawing. "Area D" on the approved site plan may be used to store either unprocessed or processed soils. However, unprocessed and processed soils shall not be stored in "Area D" at the same time. "Area E" on the approved site plan may be used for soil mixing prior to introducing the unprocessed soil to the processing equipment. "Area E" shall not be used for the storage of material. [N.J.A.C. 7:26A-3.5(e)]

60. If at any time, the amount of soil material stored inside the building exceeds 18,287 cubic yards, the recycling center shall immediately cease receiving any unprocessed material until the amount of material stored inside on-site falls below 18,287 cubic yards. [N.J.A.C. 7:26A-3.5(e)]

61. Unprocessed recyclable material shall not remain on-site, in its unprocessed form, for more than one (1) year. [N.J.A.C. 7:26A-3.5(e)]

62. The total amount of processed soil materials stored outside shall not exceed 31,674 cubic yards. Processed material shall be stored only in those areas designated for that purpose as indicated on the approved site plan drawings. [N.J.A.C. 7:26A-3.5(e)]

63. If at any time, the amount of processed soil material stored on-site exceeds 31,674 cubic yards, the recycling center shall immediately cease processing activities until the amount of processed material falls below 31,674 cubic yards. [N.J.A.C. 7:26A-3.5(e)]

64. All processed material shall be stored separately from residues. [N.J.A.C. 7:26A-3.5(e)]

65. By-products shall be stored in the container(s) or area(s) as depicted on the approved site plan and shall be removed off-site to the end markets as referenced in the approved documents. [N.J.A.C. 7:26A-3.5(e)]

66. Horizontal and vertical control points for the unprocessed and processed materials soil stockpile areas shall be set and maintained on-site. Horizontal limitation markers shall be set at the corners of the stockpile areas as depicted on the approved site plan. Vertical limitation markers shall be set at locations in close proximity of the stockpile areas and shall clearly establish elevation height of 18 feet above the existing grade for the stockpile areas located inside the building and 25 feet above the existing grade for the processed stockpile areas located outside. [N.J.A.C. 7:26A-3.5(e)]

67. Ingress and egress of the facility shall be restricted to Middlesex Avenue only. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG139162 - General Class B & Soil Conditions

68. Metal pipe or metal rods or the equivalent as approved by the Department shall be used to establish these control points. [N.J.A.C. 7:26A-3.5(e)]

69. Methods of effectively controlling dust shall be implemented at the facility in order to prevent offsite migration. [N.J.A.C. 7:26A-3.5(e)]

70. Any suspected or prohibited hazardous waste, as defined at N.J.A.C. 7:26G-5, found in a load accepted at the recycling center shall not be returned to the generator. Such materials shall be segregated and stored in a secure manner and shall be immediately reported to the N.J.D.E.P. Environmental Action Hotline at 1-877-927-6337. The owner/operator of the recycling center shall secure the name of the collector/hauler suspected of delivering such waste to the facility and related information surrounding the incident, if available, and shall make this information known to the Department's enforcement personnel. [N.J.A.C. 7:26A-3.5(e)]

71. All revisions to the site plan and the approved documents which may be required as a result of the above, shall be submitted to this office for modification to this Approval. [N.J.A.C. 7:26A-3.5(e)]

72. Pursuant to N.J.A.C. 7:26A-3.11(a), the holder of this general approval shall obtain prior approval from the Department for any increase in the design capacity of the facility. The facility shall submit a request to the Department, in writing, for the proposed increase and shall submit updated information pursuant to the requirements of N.J.A.C. 7:26A-3.2(a), 3.4, or 3.8, as applicable. The facility shall also provide written notice of the request to the solid waste or recycling coordinator of the applicable district. [N.J.A.C. 7:26A-3.5(e)]

73. The sampling plan, collection, preservation, and handling for the sampling and analysis of unprocessed contaminated soil as required in this Approval must be performed in accordance with the New Jersey Technical Requirements for Site Remediation at N.J.A.C. 7:26E and the latest edition of the New Jersey Department of Environmental Protection, Hazardous Waste Programs, Field Sampling Procedures Manual. The Technical Regulations may be purchased from West Publishing at (800) 808-WEST. The sampling manual may be purchased from: NJDEP Maps and Publications, P.O. Box 402, Trenton, N.J. 08625. All analysis must be performed by a New Jersey certified laboratory. [N.J.A.C. 7:26A-3.5(e)]

74. All soils must be tested using the most current approved test methodology in accordance with USEPA SW-846. [N.J.A.C. 7:26A-3.5(e)]

75. Petroleum contaminated soils shall be sampled either at the point of generation or at the recycling center. Soils from different generation sites shall be segregated at the facility until the sampling results are received. The sampling and analysis shall be implemented as follows: [N.J.A.C. 7:26A-3.5(e)]

76. Every 100 cubic yards of contaminated soil from each site shall be sampled and analyzed for TPH in the following manner: a representative sample from every 20 cubic yards of contaminated soil shall be taken and these five samples shall be composited into one sample and analyzed. When the volume of soil is less than 100 cubic yards, a representative sample of every 20 cubic yards, or a fraction thereof, shall be taken and these samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG139162 - General Class B & Soil Conditions

77. Every 800 cubic yards of contaminated soil shall be sampled and analyzed for total volatile organic compounds (VOC), in the following manner: a representative sample from every 100 cubic yards of contaminated soil shall be taken and these samples shall be composited into one sample and analyzed. When the volume of soil is less than 800 cubic yards, a representative sample of every 100 cubic yards, or fraction thereof, shall be taken and these samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A-3.5(e)]

78. The sampling results shall be used to determine the maximum contaminant feed rate or maximum contaminant concentration for the processing equipment in accordance with the Air Quality Permit and shall also demonstrate that the material is non-hazardous for the above contaminants in accordance with N.J.A.C. 7:26G-8.5. The processing equipment at the facility uses bioremediation to process petroleum contaminated soils and acheive acceptable contaminent levels for reuse. [N.J.A.C. 7:26A-3.5(e)]

79. Processed material end products, for uses other than as landfill cover material, Department approved Brownfields projects or road construction projects, shall be sampled and analyzed for total petroleum hydrocarbons (TPH), total volatile organic compounds (VOC), and all contaminants listed in the New Jersey Soil Cleanup Criteria (SCC). The sampling procedure shall be implemented as follows: Every 100 cubic yards of processed soil shall be sampled and analyzed for the above contaminants in the following manner: a representative sample from every 20 cubic yards of processed soil shall be taken and these five samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A-3.5(e)]

80. Processed material end products to be used in road construction projects shall be sampled every 1,000 cubic yards for TPH and VOC in the following manner: a representative sample from every 100 cubic yards of processed soil shall be taken and the samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A-3.5(e)]

81. Other levels of testing may be allowed on a case-by-case basis as determined by use criteria in accordance with Department guidance and regulations. Applications for case-specific testing requirements must be made to the Bureau of Transfer Stations & Recycling Facilities. [N.J.A.C. 7:26A-3.5(e)]

82. Only approved criteria shall be used to determine the allowable end use of the processed material and the maximum allowable contamination levels for use. [N.J.A.C. 7:26A-3.5(e)]

83. The maximum allowable contamination levels for unrestricted general use are 200 ppm TPH and all individual organic contaminants less than or equal to 50% and inorganic contaminants less than or equal to 75% of the most stringent direct contact soil cleanup criteria (SCC). [N.J.A.C. 7:26A-3.5(e)]

84. For soils being used as landfill cover material: the analytical requirements of the individual landfills shall be complied with. For soils being used as fill material in Brownfields projects, the requirements (including sampling frequency and analytical parameters) shall be approved by the individual Site Remediation Program case manager on a case-by-case basis. [N.J.A.C. 7:26A-3.5(e)]

85. Other levels of contamination may be allowed on a case-by-case basis as determined by use criteria and levels of contamination in accordance with Department guidance and regulations. Certificates of Authority to operate beneficial use projects pursuant to N.J.A.C. 7:26-1.7(g) must be obtained before any use of the processed material end products. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG139162 - General Class B & Soil Conditions

86. Any processed material end products that do not meet the above criteria must be reintroduced to the treatment process for further treatment. After treatment, the processed material end products must be reanalyzed in accordance with the above criteria. [N.J.A.C. 7:26A-3.5(e)]

87. All analysis records must be kept for a minimum of three years and made available for inspection by state and local officials upon request. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG139339 - Street Sweepings Sampling

88. Every 100 cubic yards of street sweepings from each site shall be sampled and analyzed for TPH in the following manner: a representative sample from every 20 cubic yards shall be taken and these five samples shall be composited into one sample and analyzed. When the volume is less than 100 cubic yards, a representative sample of every 20 cubic yards, or a fraction thereof, shall be taken and these samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A-3]

89. Unprocessed street sweepings shall be sampled either at the point of generation or at the recycling center. Street sweepings from different generation sites shall be segregated at the facility until the sampling results are received. The sampling and analysis shall be implemented as follows: [N.J.A.C. 7:26A-3]

90. Every 800 cubic yards of street sweepings shall be sampled and analyzed for total volatile organic compounds (VOC), in the following manner: a representative sample from every 100 cubic yards shall be taken and these samples shall be composited into one sample and analyzed. When the volume is less than 800 cubic yards, a representative sample of every 100 cubic yards, or fraction thereof, shall be taken and these samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A-3]

91. The sampling results shall be used to determine the maximum contaminant feed rate or maximum contaminant concentration for the processing equipment in accordance with the Air Quality Permit and shall also demonstrate that the material is non-hazardous for the above contaminants in accordance with N.J.A.C. 7:26G-5. [N.J.A.C. 7:26A-3]

Subject Item: RCBG882028 - Phase 1 Crushing Operations

92. Prior to initiating any crushing operations, as described under the three phases of this General Approval, Clean Earth of Carteret, Inc. shall submit copies of the Waterfront Development Permit and the Remedial Action Workplan to the Bureau of Transfer Stations & Recycling Facilities and to County Environmental and Waste Enforcement (300 Horizon Center, P.O. Box 407, Robbinsville, NJ 08625-0407, Attention: Brian Petitt, Central Region Supervisor). [N.J.A.C. 7:26A-3.5(e)]

93. The recycling center may receive no more than 1000 tons per day of source-separated asphalt, concrete, brick, block, rock, and stone from offsite sources. [N.J.A.C. 7:26A-3.5(e)]

94. Hours of operation for receiving, storing, processing, and transferring the source separated recyclable material shall be limited to: 7:00 a.m. to 5:00 p.m., Monday through Friday and 7:00 a.m. to 12:00 p.m. on Saturday. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG882028 - Phase 1 Crushing Operations

95. The following equipment or equivalent shall be available for site operations and shall be maintained in operable condition:

A. Extec S-5 Screener

B. Extec C-12 Jaw Crusher

c. Extec Impactor or I-C13 Crusher. [N.J.A.C. 7:26A-3.5(e)]

96. If at any time, the amount of unprocessed asphalt, concrete, brick, block, rock, and stone stored on-site exceeds 24,124 cubic yards, the recycling center shall immediately cease receiving any unprocessed material until the amount of that unprocessed material stored on-site falls below 24,124 cubic yards. [N.J.A.C. 7:26A-3.5(e)]

97. The total amount of unprocessed asphalt, concrete, brick, block, rock, and stone stored on-site shall not exceed 24,124 cubic yards. These unprocessed materials stored on-site shall be stored only in those areas designated for that purpose as indicated on the approved site plan drawing. [N.J.A.C. 7:26A-3.5(e)]

98. The total amount of processed asphalt, concrete, brick, block, rock, and stone stored on-site shall not exceed 9740 cubic yards. These processed materials stored on-site shall be stored only in those areas designated for that purpose as indicated on the approved site plan drawing. [N.J.A.C. 7:26A-3.5(e)]

99. If at any time, the amount of processed asphalt, concrete, brick, block, rock, and stone stored on-site exceeds 9740 cubic yards, the recycling center shall immediately cease processing activities until the amount of these processed materials falls below 9740 cubic yards. [N.J.A.C. 7:26A-3.5(e)]

100. Horizontal and vertical control points for the unprocessed and processed materials stockpile areas shall be set and maintained on-site. Horizontal limitation markers shall be set at the corners of the stockpile areas as depicted on the approved site plan. Vertical limitation markers shall be set at locations in close proximity of the stockpile areas and shall clearly establish elevation height of 20 feet above the existing grade for the unprocessed stockpile area and 20 feet above the existing grade for the processed stockpile area. Within approximately thirty (30) days of the acceptance date of this Approval, a joint site inspection shall be held at the facility between the owner/operator and representatives of the Department for the purpose of establishing the locations of these markers. [N.J.A.C. 7:26A-3.5(e)]

101. All product materials created under this Phase 1 crushing operation shall be utilized exclusively as capping material at the former Reichold Chemical site and shall meet the specifications required in the Department's Remedial Action Workplan. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG882029 - Phase 2 Crushing Operations

102. The recycling center may receive no more than 1000 tons per day of source-separated asphalt, concrete, brick, block, rock, and stone from offsite sources. [N.J.A.C. 7:26A-3.5(e)]

103. Hours of operation for receiving, storing, processing, and transferring the source separated recyclable material shall be limited to: 7:00 a.m. to 5:00 p.m., Monday through Friday and 7:00 a.m. to 12:00 p.m. on Saturday. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG882029 - Phase 2 Crushing Operations

104. The following equipment or equivalent shall be available for site operations and shall be maintained in operable condition:

A. Extec S-5 Screener

B. Extec C-12 Jaw Crusher

c. Extec Impactor or I-C13 Crusher. [N.J.A.C. 7:26A-3.5(e)]

105. The total amount of unprocessed asphalt, concrete, brick, block, rock, and stone stored on-site shall not exceed 11,252 cubic yards. These unprocessed materials stored on-site shall be stored only in those areas designated for that purpose as indicated on the approved site plan drawing. [N.J.A.C. 7:26A-3.5(e)]

106. If at any time, the amount of unprocessed asphalt, concrete, brick, block, rock, and stone stored on-site exceeds 11,252 cubic yards, the recycling center shall immediately cease receiving any unprocessed material until the amount of these unprocessed materials stored on-site falls below 11,252 cubic yards. [N.J.A.C. 7:26A-3.5(e)]

107. The total amount of processed asphalt, concrete, brick, block, rock, and stone stored on-site shall not exceed 15,962 cubic yards. These processed materials stored on-site shall be stored only in those areas designated for that purpose as indicated on the approved site plan drawing. [N.J.A.C. 7:26A-3.5(e)]

108. If at any time, the amount of processed asphalt, concrete, brick, block, rock, and stone stored on-site exceeds 15,962 cubic yards, the recycling center shall immediately cease processing activities until the amount of these processed materials falls below 15,962 cubic yards. [N.J.A.C. 7:26A-3.5(e)]

109. Horizontal and vertical control points for the unprocessed and processed materials stockpile areas shall be set and maintained on-site. Horizontal limitation markers shall be set at the corners of the stockpile areas as depicted on the approved site plan. Vertical limitation markers shall be set at locations in close proximity of the stockpile areas and shall clearly establish elevation height of 20 feet above the existing grade for the unprocessed stockpile area and 20 feet above the existing grade for the processed stockpile area. Prior to initiating Phase 2 crushing operations, a joint site inspection shall be held at the facility between the owner/operator and representatives of the Department for the purpose of establishing the locations of these markers. [N.J.A.C. 7:26A-3.5(e)]

110. All product materials created under this Phase 2 crushing operation shall be utilized exclusively as capping material at the former Reichold Chemical site and shall meet the specifications required in the Department's Remedial Action Workplan. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG882029 - Phase 2 Crushing Operations

111. The facility shall submit a report after completion of Phase 1 and Phase 2 crushing operations for the Remedial Action Workplan, which contains, at a minimum, the following information:

A. Daily and cumulative breakdowns of the amounts and types of materials received and processed. Differentiate between material brought through the soils facility versus that brought in directly from outside sources;

B. Residue/ recyclables stored on-site for off-site transport;

C. Any rejected materials and materials that do not meet the applicable criteria for materials to be used to construct portions of the remedial cap along with a copy of the disposal receipts as evidence that the material has been disposed of accordingly;

D. All data shall be recorded chronologically by date.

The report shall be submitted to the NJDEP Bureau of Transfer Stations & Recycling Facilities within sixty (60) days of the completion of Phase 2. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG882032 - Final Phase Crushing Operations

112. The recycling center may receive no more than 2000 tons per day of source-separated asphalt, concrete, brick, block, rock, and stone. [N.J.A.C. 7:26A-3.5(e)]

113. Hours of operation for receiving, storing, processing, and transferring the source separated recyclable material shall be limited to: 7:00 a.m. to 5:00 p.m., Monday through Friday. [N.J.A.C. 7:26A-3.5(e)]

114. The following equipment or equivalent shall be available for site operations and shall be maintained in operable condition:

A. Extec S-5 Screener

B. Extec C-12 Jaw Crusher

c. Extec Impactor or I-C13 Crushersite. [N.J.A.C. 7:26A-3.5(e)]

115. The total amount of unprocessed asphalt, concrete, brick, block, rock, and stone stored on-site shall not exceed 36,580 cubic yards (8,800 cy in area A & 27,780 cy in area B). These unprocessed materials stored on-site shall be stored only in those areas designated for that purpose as indicated on the approved site plan drawing. [N.J.A.C. 7:26A-3.5(e)]

116. If at any time, the amount of unprocessed asphalt, concrete, brick, block, rock, and stone stored on-site exceeds 36,580 cubic yards (8,800 cy in area A & 27,780 cy in area B), the recycling center shall immediately cease receiving any unprocessed material until the amount of these unprocessed materials stored on-site falls below 36,580 cubic yards (8,800 cy in area A & 27,780 cy in area B). [N.J.A.C. 7:26A-3.5(e)]

117. The total amount of processed asphalt, concrete, brick, block, rock, and stone stored on-site shall not exceed 24,310 cubic yards (area C). These processed materials stored on-site shall be stored only in those areas designated for that purpose as indicated on the approved site plan drawing. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG882032 - Final Phase Crushing Operations

118. If at any time, the amount of processed asphalt, concrete, brick, block, rock, and stone stored on-site exceeds 24,310 cubic yards (area C), the recycling center shall immediately cease processing activities until the amount of these processed materials falls below 24,310 cubic yards. [N.J.A.C. 7:26A-3.5(e)]

119. Horizontal and vertical control points for the unprocessed and processed materials stockpile areas shall be set and maintained on-site. Horizontal limitation markers shall be set at the corners of the stockpile areas as depicted on the approved site plan. Vertical limitation markers shall be set at locations in close proximity of the stockpile areas and shall clearly establish elevation height of 20 feet above the existing grade for the unprocessed stockpile area and 20 feet above the existing grade for the processed stockpile area. Prior to initiating Final Phase crushing operations, a joint site inspection shall be held at the facility between the owner/operator and representatives of the Department for the purpose of establishing the locations of these markers. [N.J.A.C. 7:26A-3.5(e)]

ATTACHMENT 2

State of New Jersey

DONALD T. DiFRANCESCO
Acting Governor

Department of Environmental Protection

Robert C. Shinn, Jr.
Commissioner

Division of Solid and Hazardous Waste
P.O. Box 414
Trenton, New Jersey 08625-0414
Tel. #609-984-6880
Fax. #609-633-9839

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Michael B. Goebner,
President
Carteret Biocycle Corp.
24 Middlesex Avenue
Carteret, NJ 07008

MAY 14 2001

RE: SD&G Aggregates, Inc.
Borough of Carteret, Middlesex County
Facility ID #1201001379
Acceptance of Contaminated Soil

Dear Mr. Goebner:

This is in response to your letter of October 19, 2000 requesting a Departmental determination on whether your facility may accept soil contaminated with certain Polycyclic Aromatic Hydrocarbons (PAHs) above the Non-residential Direct Contact Soil Clean-up Criteria (NRDCSCC). Your letter stated that the treatment process used at your facility would lower the level of the PAHs in the soil below the Non-Residential Direct Contact Soil Clean-up Criteria.

The Department has reviewed your request and will allow S.D.&G. Aggregates, Inc. to accept soils containing contaminates below the following levels:

Contaminant	Level
Benzo(a)Anthracene	60 ppm
Chrysene	600 ppm
Benzo(b)Fluoranthene	60 ppm
Benzo(k)Fluoranthene	60 ppm
Benzo(a)Pyrene	9.9 ppm
DiBenzo(a,h)Anthracene	9.9 ppm
Indeno(1,2,3-cd)Pyrene	60 ppm

However, please be advised that all of the conditions contained in your general Class B approval issued January 22, 1998 remain in effect for the acceptance, handling, and processing of the contaminated soil. In addition, all testing requirements for end-product materials found at Condition A.4 of the approval must be complied with.

If you have any questions, please contact Robin Heston of my staff at (609) 984-6650 or by e-mail at RHESTON@dep.state.nj.us.

Sincerely,

S. Bhalla

Sukhdev S. Bhalla, P.E., Chief
Bureau of Landfill & Recycling Mgmt.

SSB:RH
c: Rai Belonzi, Chief, Bureau of Compliance & Enforcement
Brian Petitt, Bureau of Compliance & Enforcement
Joel Leon, DEP, Bureau of Air Quality
Richard Hills, Middlesex County Solid Waste Coordinator
Municipal Clerk, Borough of Carteret

APPENDIX 3B

CLEAN EARTH OF CARTERET ANALYTICAL REQUIREMENTS

Clean Earth
Sampling Frequency Protocol

Carteret

PARAMETERS	TPH	TOTAL VOLATILE ORGANICS	PAHs	TOTAL METALS RCRA	TCLP METALS RCRA	IGNITABILITY	CORROSIVITY (PH)	REACTIVITY - SULFIDE AND CYANIDE	PCBs
METHODS		8015M	8260B	8270	6010	1311/6010	1010A	9040C	SW846 CHAPTER 7.3	8082A
	FREQUENCY									
RESIDENTIAL	5 point grab composite every 100 cy (1 grab/20 cy)	X								
	8 point grab composite every 800 cy (1 grab/100 cy)		X							
Limit		<15,000	See Cross Reference Parameter List	See Cross Reference Parameter List	See Cross Reference Parameter List	See Cross Reference Parameter List	Negative	>2 - <12.5	Sulfide <500 Cyanide <250	<2
COMMERCIAL	5 point grab composite every 100 cy (1 grab/20 cy)	X								
	8 point grab composite every 800 cy (1 grab/100 cy)		X	X	X	X	X	X	X	X
Limit		<15,000	See Cross Reference Parameter List	See Cross Reference Parameter List	See Cross Reference Parameter List	See Cross Reference Parameter List	Negative	>2 - <12.5	Sulfide <500 Cyanide <250	<2

This is to be used as a guideline for sampling. Sampling frequencies and parameter requirements may be modified at the discretion of the CE Approval staff based items such as site history, levels of contamination and/or source of contamination, etc..

APPENDIX 4

BAYSHORE SOIL MANAGEMENT, LLC

APPENDIX 4A

BAYSHORE SOIL MANAGEMENT, LLC PERMIT

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAIL CODE 401-02C
Division of Solid & Hazardous Waste
P.O. Box 420
Trenton, New Jersey 08625-0420
Telephone: (609) 292-9880 Telecopier: (609) 984-0565
http://www.state.nj.us/dep/dshw

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

RECYCLING CENTER GENERAL APPROVAL FOR CLASS B RECYCLABLE MATERIALS FOR CONCRETE, ASPHALT, BRICK, BLOCK, SLAG, GLASS CULLET PETROLEUM CONTAMINATED SOILS, STREET SWEEPINGS, POTABLE WATER TREATMENT RESIDUALS, CARBON FILTRATION MEDIA & UNTREATED WOOD

Under the provisions of N.J.S.A. 13:1E-1 *et seq.* and N.J.S.A. 13:1E-99.11 *et seq.*, known as the Solid Waste Management Act and New Jersey Statewide Mandatory Source Separation and Recycling Act, respectively, and pursuant to N.J.A.C. 7:26A-1 *et seq.*, known as the Recycling Regulations, this approval is hereby issued to:

Bayshore Recycling Corp.

Facility Type:	Recycling Center for Class B Materials
Lot & Block Nos.:	Lots 1, 1-B, 1-R, 2-B & 2-C; Block 51 Lot 1; Block 52 Lots 3-B, 3-R & 4-B; Block 41-C
Municipality:	Township of Woodbridge
County:	Middlesex
Facility ID No.:	132397
Permit No.:	CBG110004

This General Approval is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection (Department).

This General Approval shall not prejudice any claim the State may have to riparian land nor does it allow the registrant to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be riparian, wetlands, stream encroachment or flood plains, or within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits, or approvals from the Department.

March 26, 2014
Issuance Date

February 1, 2017
Expiration Date

Anthony Fontana, Chief
Bureau of Transfer Stations &
Recycling Facilities

Scope of Approval

This General Approval (approval), along with the referenced application documents herein specified, shall constitute the sole approval of Recycling Center operations for Class B Recyclable Material (concrete, asphalt, brick, block, petroleum contaminated soil, street sweepings, potable water treatment residuals, carbon filtration media & untreated wood) storage and process center by **Bayshore Recycling Corp.** located in the Township of Woodbridge, Middlesex County, New Jersey. Any registration, approval or permit previously issued by the Division of Solid and Hazardous Waste, or its predecessor agencies, for the specific activities as described below and as conditioned herein, is hereby superseded.

Regulated Activities at the Facility

Conditions 1 through 39 of this general approval are conditions that are applicable to all New Jersey recycling facilities. Conditions 40 through 85 of this general approval are conditions that are applicable to New Jersey recycling facilities that receive, store, process or transfer Class B materials.

Facility Description

The recycling center is a Class B facility operated by the Bayshore Recycling Corp. The recycling center is located at 75 Crows Mill Road/100 Bayview Avenue on Block 51, Lots 1, 1-B, 1-R, 2-B and 2-C; Block 52, Lot 1 and Block 41-C, Lots 3-B, 3-R & 4-B in the Township of Woodbridge, Middlesex County. This regional recycling center is authorized to receive concrete, asphalt, brick, block, slag (on a case by case basis), glass cullet, untreated wood, potable water treatment residuals, carbon filtration media, street sweepings and petroleum contaminated soil from demolition contractors, municipalities, manufacturers, gasoline stations, home owners and sites remediated for petroleum contamination. All processed soil will be used for beneficial use projects, brownfields, landfill caps and construction projects.

Petroleum contaminated soil shall be sampled either at the point of generation or at the recycling center for the petroleum contaminated soils processing operation. The sampling results shall be used to determine the maximum contaminant feed rate or maximum petroleum contaminant concentration for the processing equipment.

Prior to the acceptance of potable water treatment residuals, carbon filtration media and street sweepings the facility shall have received analytical results along with a signed certification from the generator certifying the material meets the Department's non-residential soil remediation standards.

This Approval was modified to increase Bayshore Recycling Corp.'s capacity to 7,100 tons per day of source separated Class B recyclable material.

Approved General Approval Application and Associated Documents

The registrant shall construct and operate the facility in accordance with N.J.A.C. 7:26A-1 *et seq.*, the conditions of this Approval, and the following documents:

1. Site Plan – "Modification to General Class B Recycling Center Approval for Bayshore Recycling Corporation", signed and sealed by Robert J. Roth, P.E., The ELM Group, Inc., dated April 7, 2009 and last revised on February 11, 2014.

2. Site Plan for Indoor Tipping and Storage of Unprocessed Soil – Figure 3, designed by The ELM Group, dated August 5, 2009.

3. Site Plan for the additional storage of unprocessed soil (Area 'J') titled "Figure 3, Indoor Topping and Storage of Unprocessed Soil for the Proposed LTTD System", designed by The ELM Group, dated February 11, 2014.

4. Bayshore Recycling Corp. – Application for a General Class B Recycling License, signed by Valarie Montecalvo, President, Bayshore Recycling Corp., dated August 13, 2001.

5. Bayshore Recycling Corp. – Modification Request for Class B Recycling Center General Approval, prepared by Valerie Montecalvo, President, dated May 20, 2011.

6. Bayshore Recycling Corp. – E-mails from Gary Sondermeyer, Director of Technology Development, dated May 16, 2011 and June 14, 2011.

7. Bayshore Recycling Corp. – E-mail from Jennifer Solewski, Compliance Manager, dated June 23, 2011.

8. Bayshore Recycling Corp. – Renewal Request for Class B General Approval, prepared by Jennifer Solewski, Compliance Manager, Bayshore Recycling Corp., dated December 5, 2011.

9. Bayshore Recycling Corp. – Request for a transfer in capacity of approved Class B materials, prepared by Gary Sondermeyer, Vice President of Operations, dated October 5, 2012.

10. Bayshore Recycling Corp. – Email from Jennifer Solewski, Compliance Manager, dated December 6, 2012.

11. Bayshore Recycling Corp. – Request for a modification of the Class B General Approval for a capacity shift of approved Class B materials, prepared by Jennifer Solewski, Vice President of Regulatory Affairs & Corporate Development, dated February 21, 2014.

In case of conflict, the provisions of N.J.A.C. 7:26A-1 *et seq.* shall have precedence over the conditions of this Approval, and the conditions of this Approval shall have precedence over plans and specifications listed above.

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1. All persons issued a general approval to operate a recycling center for Class B, Class C and/or Class D recyclable material pursuant to N.J.A.C. 7:26A-1 et seq. shall comply with all conditions of the approval [N.J.A.C. 7:26A-3.1(a)]
2. The holder of this general approval shall prominently post and maintain a legible sign, at or near the entrance to the recycling center, indicating that the recycling center is an approved New Jersey Department of Environmental Protection recycling center. The sign shall also indicate the following: Hours of operation of the recycling center; Listing of the source separated materials to be received; The size, weight, or other restrictions regarding materials to be received; The maximum amount of contaminants allowed in each load; Warning that loads will be inspected and will be barred from offloading if the contaminant level is exceeded; and Notice that the person offloading shall certify the amount of material per load, municipality of origin of the material and any other information contained on the Recyclable Material Receipt Form [N.J.A.C. 7:26A-3.5(f)]
3. Application for renewal of this general approval shall be submitted at least three months prior to expiration of the current approval and shall comply with all requirements for renewal set forth in N.J.A.C. 7:26A-3.6 et seq. One copy of the application for renewal of the general approval shall be submitted by the applicant to the municipal clerk of the municipality in which the recycling center is located, and to the solid waste or recycling coordinator of the county in which the recycling center is located [N.J.A.C. 7:26A-3.6(a)]
4. The applicant for renewal of this general approval shall certify in writing to the Department that there have been no changes in the operations of the recycling center since the issuance of the general approval in order to renew the approval in its existing form. In the event that there have been changes in the operations of the recycling center or where changes are planned, the application for renewal of a general approval shall be accompanied by a written request to modify the general approval in accordance with N.J.A.C. 7:26A-3.10 [N.J.A.C. 7:26A-3.6(b)]
5. In a case where the holder of this general approval does not comply with N.J.A.C. 7:26A-3.6(a) and (b) and continues to operate without renewal of the general approval, the Department may take enforcement action including the assessment of penalties under N.J.S.A. 13:1E-9; require the holder of this general approval to file an application as a new applicant for a general approval in accordance with N.J.A.C. 7:26A-3.2 and pay the application fee as per N.J.A.C. 7:26A-2; and/or take any other appropriate actions [N.J.A.C. 7:26A-3.6(c)]
6. All persons granted a renewal pursuant to N.J.A.C. 7:26A-3.6(d) shall continue to pay the annual fee as specified in N.J.A.C. 7:26A-2 [N.J.A.C. 7:26A-3.6(h)]
7. The holder of this general approval shall obtain prior approval from the Department for any modification of the general approval [N.J.A.C. 7:26A-3.10(a)]
8. Any change affecting the conditions of this general approval requires the prior approval of the Department [N.J.A.C. 7:26A-3.10(b)1]
9. Any change to the information submitted pursuant to N.J.A.C. 7:26A-3.2(a), 3.4, 3.8, 3.18, 3.19 or 3.20 requires the prior approval of the Department, except that changes in end-market information submitted pursuant to N.J.A.C. 7:26A-3.2(a) 7 shall not require the prior approval of the Department but shall be handled in accordance with N.J.A.C. 7:26A-3.10(f). [N.J.A.C. 7:26A-3.10(b)2]

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10. The holder of this general approval shall notify the Department in writing of the intended modification and shall update the information submitted pursuant to N.J.A.C. 7:26A-3.2(a), 3.4, 3.8, 3.18, 3.19 or 3.20. The holder of this general approval shall also provide written notice to the solid waste or recycling coordinator of the applicable county of any request to modify a general approval. [N.J.A.C. 7:26A-3.10(c)]

11. The holder of this general approval shall not institute the modification until it receives written approval from the Department [N.J.A.C. 7:26A-3.10(e)]

12. Within one week of any change to the end-market information submitted to the Department pursuant to N.J.A.C. 7:26A-3.2(a)7, the holder of this general approval shall submit to the Department a written notification which details any change in the use of the recyclable material transferred from the recycling center to an end-market or in the end-market location to which the recyclable material is transferred. The written notification shall be sent to: New Jersey Department of Environmental Protection, Solid and Hazardous Waste Management Program, P.O. Box 420, Trenton, New Jersey 08625-0420. [N.J.A.C. 7:26A-3.10(f)]

13. The Department may revoke this general approval upon a determination that the holder of the general approval has violated any provision of N.J.S.A. 13:1E-1 et seq., the New Jersey Statewide Mandatory Source Separation and Recycling Act, or any rule, regulation or administrative order promulgated pursuant to N.J.S.A. 13:1E-1 et seq. and the New Jersey Statewide Mandatory Source Separation and Recycling Act [N.J.A.C. 7:26A-3.13(a)1]

14. The Department may revoke this general approval upon a determination that the holder of the general approval has violated any solid waste utility law at N.J.S.A. 48:2-1 et seq. or 48:13A-1 et seq., or any rule, regulation or administrative order promulgated pursuant to N.J.S.A. 48:2-1 et seq. or 48:13A-1 et seq [N.J.A.C. 7:26A-3.13(a)2]

15. The Department may revoke this general approval upon a determination that the holder of the general approval has violated any provision of any laws related to pollution of the waters, air or land surfaces of the State or of any other State or Federal environmental laws including criminal laws related to environmental protection [N.J.A.C. 7:26A-3.13(a)3]

16. The Department may revoke this general approval upon a determination that the holder of the general approval has refused or failed to comply with any lawful order of the Department [N.J.A.C. 7:26A-3.13(a)4]

17. The Department may revoke this general approval upon a determination that the holder of the general approval has failed to comply with any of the conditions of this general approval issued by the Department [N.J.A.C. 7:26A-3.13(a)5]

18. The Department may revoke this general approval upon a determination that the holder of the general approval has transferred a general approval to a new owner or operator pursuant to N.J.A.C. 7:26A-3.15 without the prior approval of the Department [N.J.A.C. 7:26A-3.13(a)6]

19. The Department may revoke this general approval upon a determination that the holder of the general approval has failed to obtain any required permit or approval from the Department or other State or Federal agency [N.J.A.C. 7:26A-3.13(a)7]

20. The Department may revoke this general approval upon a determination that the holder of the general approval has committed any of the acts which are criteria for denial of a general approval set forth in N.J.A.C. 7:26A-3.12. [N.J.A.C. 7:26A-3.13(a)8]

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21. This general approval shall not be transferred to a new owner or operator without the Department's prior approval [N.J.A.C. 7:26A-3.15(a)]

22. A written request for permission to allow a transfer of this general approval must be received by the Department at least 60 days in advance of the proposed transfer of ownership or operational control of the recycling center. The request for approval shall include the following: the name, address and social security number of all prospective new owners or operators; a written certification by the proposed transferee that the terms and conditions contained in the general approval will be met by the proposed transferee; and a written agreement between the current owner or operator of the recycling center and the proposed new owner or operator containing a specific future date for transfer of ownership or operational control [N.J.A.C. 7:26A-3.15(a)1]

23. A new owner or operator may commence operations at the recycling center only after the existing approval has been revoked and a new approval is issued to the new owner or operator pursuant to N.J.A.C. 7:26A-3.5 [N.J.A.C. 7:26A-3.15(a)2]

24. The holder of this general approval remains liable for ensuring compliance with all conditions of the approval unless and until the existing approval is revoked and a new approval is issued to the new owner or operator pursuant to N.J.A.C. 7:26A-3.5 [N.J.A.C. 7:26A-3.15(a)3]

25. Compliance with the transfer requirements set forth at N.J.A.C. 7:26A-3.15 shall not relieve the holder of this general approval from the separate responsibility of providing notice of such transfer pursuant to the requirements of any other statutory or regulatory provision [N.J.A.C. 7:26A-3.15(a)4]

26. The transfer of a controlling interest in the stock or assets of the recycling center that is the subject of this general approval shall constitute a transfer of this general approval [N.J.A.C. 7:26A-3.15(b)]

27. The holder of this general approval shall maintain a daily record of the amounts of each recyclable material by type and municipality of origin which are received, stored, processed or transferred each day, expressed in tons, cubic yards, cubic feet or gallons. Those operators specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons [N.J.A.C. 7:26A-3.17(a)1]

28. The holder of this general approval shall maintain a daily record of the name, address and telephone number of the end-markets for all recyclable materials transported from the recycling center, including the amounts, in tons, cubic yards, cubic feet or gallons, transported to each end-market. Those persons specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons [N.J.A.C. 7:26A-3.17(a)2]

29. The holder of this general approval shall maintain a daily record of the amount of residue disposed of, expressed in tons, cubic yards, cubic feet or gallons, including the name and New Jersey Department of Environmental Protection solid waste registration number of the solid waste collector/hauler contracted to provide the haulage/disposal service. Those persons specifying the amount of residue in cubic yards shall also indicate the conversion ratio of the residue from cubic yards to tons. [N.J.A.C. 7:26A-3.17(a)3]

30. The holder of this general approval shall retain all Recyclable Material Receipt Forms required pursuant to N.J.A.C. 7:26A-3.2(a)16iii for three calendar years following the calendar year for which an annual report is required pursuant to N.J.A.C. 7:26A-3.17(c) [N.J.A.C. 7:26A-3.17(b)]

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31. The holder of this general approval shall submit an annual report containing monthly summary statements of the information required pursuant to N.J.A.C. 7:26A-3.17(a) to the New Jersey Department of Environmental Protection, Solid and Hazardous Waste Management Program, on or before March 1 of each year, for the previous calendar year. The summaries shall include the following: monthly totals of the amount of recyclable material received from each customer by municipality of origin; monthly totals of the amount of recyclable product transferred to each end-market; and the amount of residue disposed of during each month. [N.J.A.C. 7:26A-3.17(c)]

32. The holder of this general approval shall certify in writing to the Department that all residue generated at the recycling center has been disposed of in accordance with the solid waste management rules at N.J.A.C. 7:26. The certification shall be submitted annually as part of the annual report [N.J.A.C. 7:26A-3.17(e)]

33. All information submitted to the Department pursuant N.J.A.C. 7:26A shall be handled in accordance with the requirements of the Public Records law, N.J.S.A. 47:1-1 et seq. The Department will hold confidential all end-market information, as well as information pertaining to the municipality of origin of recyclable material, submitted pursuant to N.J.A.C 7:26A-3.2, 3.7, and 3.17 through 3.20 for a period of two years from the date on which the information is submitted to the Department, where specified as confidential by the applicant and where there are no health, safety or environmental concerns which require the release of the information, as determined by the Department. [N.J.A.C. 7:26A-3.17(f)]

34. The holder of this general approval shall provide a recycling tonnage report by March 1 of each year to all municipalities from which recyclable material is received in the previous calendar year. The report shall detail the amount of each source separated recyclable material, expressed in tons or cubic yards, brought to the recycling center, as well as the date on which the recyclable materials were delivered to the recycling center. Those persons specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons. [N.J.A.C. 7:26A-4.4(a)]

35. The recycling center shall not commence operations unless and until it is included in the applicable district solid waste management plan [N.J.A.C. 7:26A-4.2]

36. The construction of the recycling center that is the subject of this general approval shall be in conformance with the New Jersey Uniform Construction Code, N.J.S.A. 52:27D-119 et seq., and the rules promulgated pursuant thereto [N.J.A.C. 7:26A-4.1(b)]

37. The New Jersey Department of Environmental Protection or an authorized representative acting pursuant to the County Environmental Health Act, N.J.S.A. 26:3A2-1 et seq. shall have the right to enter and inspect any building or other portion of the recycling center at any time in order to determine compliance with the provisions of all applicable laws or rules and regulations adopted pursuant thereto. This right to inspect includes, but is not limited to: sampling any materials on site; photographing any portion of the recycling center; investigating an actual or suspected source of pollution of the environment; and, ascertaining compliance or non-compliance with the statutes, rules or regulations of the Department, including conditions of the recycling center approval issued by the Department. [N.J.A.C. 7:26A-1.7(a)]

38. The right of entry specified at N.J.A.C. 7:26A-1.7(a) shall be limited to normal operating hours for the purpose of reviewing and copying all applicable records, which shall be made available to the Department during an inspection and submitted to the Department upon request. [N.J.A.C. 7:26A-1.7(b)]

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39. The facility shall comply with the general operating requirements for all Recycling Centers as provided at N.J.A.C. 7:26A-4.1 [N.J.A.C. 7:26A-4]

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40. A fire control plan for the recycling center shall be filed with and approved by the local fire official or other person of competent jurisdiction and shall be filed with the local municipal code enforcement officer prior to operation of a recycling center for tree stumps, tree parts or wood waste. [N.J.A.C. 7:26A-3.5(e)]

41. The Preparedness and Prevention Plan and the Contingency Plan contained in the approved documents must be maintained on-site and updated as necessary. [N.J.A.C. 7:26A-3.5(e)]

42. Upon detection of a release of contaminants to the environment, the facility shall perform the following cleanup steps: stop the release, contain the released contaminants, clean up and manage properly the released contaminants and other materials and if necessary, repair or replace any leaking soil containment systems prior to returning them to service. [N.J.A.C. 7:26A-3.5(e)]

43. Upon closure of the facility the owner or operator shall remove or decontaminate contaminated soils, containment system components, and structures and equipment and manage them as hazardous waste, unless the materials are not hazardous waste under NJAC 7:26G-5. [N.J.A.C. 7:26A-3.5(e)]

44. All equipment and portions of the facility designated for the storage or processing of contaminated soils shall be visually inspected each operating day for integrity and leaks. [N.J.A.C. 7:26A-3.5(e)]

45. Records shall be maintained for all visual inspections. These records shall document that inspections were performed, any problems found, and the subsequent correction of such problems. All records shall be kept for a minimum of three years. [N.J.A.C. 7:26A-3.5(e)]

46. Prior to the acceptance of shipments of petroleum contaminated soil, potable water treatment residuals, carbon filtration media, street sweepings or slag, the facility shall have received, reviewed and approved a tracking form and records detailing each shipment. These records may take the form of a log, invoice, manifest, bill of lading or other shipping documents. All tracking records must be kept for a minimum of three years. Records for each shipment shall include at least the following information: the name and address of the transporter who delivered the material to the facility, the name and address of the generator from whom the material was sent, the NJDEP registration number of the transporter, EPA ID number (if applicable) of the generator, the quantity of material accepted, analytical data and the date of acceptance. [N.J.A.C. 7:26A- 3.5(e)]

47. The facility shall maintain on-site a written operating record showing analysis records, tracking records, and summary reports of incidents requiring implementation of the contingency plan. This information shall be made available to Department personnel upon request and shall be kept for a minimum of three years. [N.J.A.C. 7:26A-3.5(e)]

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48. The following source separated Class B recyclable materials, which have been separated at the point of generation from other waste materials or separated at a permitted solid waste facility authorized to separate recyclable materials, may be received, stored, processed or transferred at this facility:

a. Concrete, Asphalt, Brick & Block, Untreated Wood, and Glass Cullet

b. Non-Hazardous Petroleum Contaminated Soils that otherwise would be ID-27 if not recycled.

i. Only soil contaminated with the following compounds shall be accepted and processed at this facility: gasoline, kerosene, jet fuel, Numbers 1 through 6 fuel oil, polynuclear aromatic hydrocarbons (coal tars) and used oil. Used oil shall be defined as any oil that has been used and as a result of such use, is contaminated by physical or chemical impurities. No soils may be accepted that have been contaminated with materials that are other waste materials, or waste by-products, such as sludges. For the purpose of this approval, other waste materials are non-petroleum contaminants contained in the soil above the New Jersey Non-Residential Soil Remediation Standards.

ii. No soils with free petroleum product or other liquids, as determined by USEPA SW-846, Method 9095, Chapter 6.0, shall be accepted at the facility.

c. Slag Material (on a case by case basis per Condition 82 of this Approval).

d. Potable Water Treatment Residuals, Carbon Filtration Media and Street Sweepings that meet New Jersey Non-Residential Soil Remediation Standards.

No hazardous waste, as defined by N.J.A.C. 7:26G-5, shall be accepted by the facility. [N.J.A.C. 7:26A- 3.5(e)]

49. At no time shall the receipt, storage, processing, or transferring of non-source separated construction and demolition material be allowed at this recycling center. The prohibition of this material shall be strictly enforced and any incident shall be considered a serious violation to the conditions of this Approval. [N.J.A.C. 7:26A-3.5(e)]

50. The recycling center may receive, store, process, or transfer source separated concrete, asphalt, brick & block, and glass cullet separately or in a commingled manner. Untreated wood shall be received, stored, processed and transferred separately and not commingled with other material types. Petroleum contaminated soil, street sweepings, potable water residuals and carbon filtration media shall be received separately and may only be blended together and managed in accordance with this Approval. Slag may only be accepted if approved by the Department on a case by case basis in accordance with Condition 82 of this Approval and shall be managed in accordance with this Approval.

. [N.J.A.C. 7:26A- 3.5(e)]

51. The maximum amount of contaminants, as defined in N.J.A.C. 7:26A-1.3, allowed in each incoming load of Class B recyclable material shall be limited to 1% by volume. Incidental by-product materials shall not be considered to be contaminants. [N.J.A.C. 7:26A-3.5(e)]

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52. Incidental amounts of rebar, metal, soil, and other by-products which adhere to the Class B recyclable materials, as specified in this Approval, and which are returned to the economic mainstream as raw material or products, may be received, stored, processed, or transferred at this recycling center. The receipt of such incidental amounts of these materials need not be separately accounted for, but the storage and end-markets for these materials shall be subject to specific conditions of this Approval. [N.J.A.C. 7:26A-3.5(e)]

53. The holder of this general approval shall operate the recycling center and construct or install associated appurtenances thereto, in accordance with the provisions of N.J.A.C. 7:26A-1 et seq., the conditions of this general approval, and the general approval application documents. [N.J.A.C. 7:26A-3.5(e)]

54. In case of conflict, the conditions of this approval shall have precedence over the general approval application documents, and the most recent revisions and supplemental information approved by the Department shall prevail over prior submittals and designs. [N.J.A.C. 7:26A-3.5(e)]

55. One complete set of the general approval application documents, this general approval, and all records, reports and plans as may be required pursuant to this approval shall be kept on file at the recycling center and shall be available for inspection by authorized representatives of the Department or delegated agents upon presentation of credentials. [N.J.A.C. 7:26A-3.5(e)]

56. Hours of operation for receiving, storing, processing, or transferring the source separated recyclable material shall be: Twenty-Four (24) hours per day, Monday through Sunday. [N.J.A.C. 7:26A-3.5(e)]

57. Material deliveries to the recycling center shall be scheduled in such a manner as to minimize truck queuing on the recycling center property. Under no circumstances shall delivery trucks be allowed to back-up or queue onto public roads. [N.J.A.C. 7:26A-3.5(e)]

58. The recycling center may receive no more than 7,100 tons per day of source separated material consisting of 2,500 tons per day of concrete, asphalt, brick & block, glass cullet, potable water treatment residuals and carbon filtration media, 100 tons per day of untreated wood or slag material, and 4,500 tons per day of petroleum contaminated soil & street sweepings.

    The potable water treatment residuals and carbon filtration media are limited at 500 tons per day and the street sweepings are limited at 200 tons per day. However, the combination of all Class B material accepted on a daily basis shall not exceed 7,100 tons per day. [N.J.A.C. 7:26A- 3.5(e)]

59. Unprocessed material shall only be stored in those areas detailed on the approved site plan and specified in Conditions 75 and 78 of this approval. The total amount of unprocessed material stored in the areas shall not exceed the volumes depicted on the approved site plan and specified in Conditions 75 and 78 of this approval. [N.J.A.C. 7:26A- 3.5(e)]

60. If at any time, the amount of unprocessed material exceeds the volumes depicted on the approved site plan and specified in Conditions 75 and 78 of the approval, the recycling center shall immediately cease receiving material until the amount of unprocessed material falls below the permitted volumes.

    . [N.J.A.C. 7:26A- 3.5(e)]

61. Unprocessed recyclable material shall not remain on-site, in its unprocessed form, for more than one (1) year. [N.J.A.C. 7:26A-3.9(b)]

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62. Processed material shall only be stored in those areas detailed on the approved site plan and specified in Conditions 75 and 78 of this approval. The total amount of processed material stored in the areas shall not exceed the volumes depicted on the approved site plan and specified in Conditions 75 and 78 of this approval.

. [N.J.A.C. 7:26A- 3.5(e)]

63. If at any time, the amount of processed material exceeds the volumes depicted on the approved site plan and specified in Conditions 75 and 78 of the approval, the recycling center shall immediately cease processing activities until the amount of processed material falls below the permitted volumes.

. [N.J.A.C. 7:26A- 3.5(e)]

64. All processed material shall be stored separately from residues. [N.J.A.C. 7:26A-3.5(e)]

65. By-products shall be stored in the container(s) or area(s) as depicted on the approved site plan and shall be removed off-site to the end markets as referenced in the approved documents. [N.J.A.C. 7:26A-3.5(e)]

66. Horizontal and vertical control points for the unprocessed and processed materials stockpile areas shall be set and maintained on-site. Horizontal limitation markers shall be set at the corners of the stockpile areas as depicted on the approved site plan. Vertical limitation markers shall be set at locations in close proximity of the stockpile areas and shall clearly establish elevation heights per the maximum approved heights detailed in Conditions 75 & 78 of the Approval. [N.J.A.C. 7:26A-3.5(e)]

67. Metal pipe or metal rods or the equivalent as approved by the Department shall be used to establish these control points. [N.J.A.C. 7:26A-3.5(e)]

68. Ingress and egress into the facility shall be via Crows Mill Road. In addition, the facility has obtained a Waterfront Development permit that allows recyclable materials to be delivered via barge. The facility may receive Class B recyclable materials in accordance with their Waterfront Development permit. The facility is responsible for obtaining any local, county, state or federal permits that may be required for barging activities.

In the event of an on-site emergency, vehicular traffic may utilize Bayview Avenue. [N.J.A.C. 7:26A-3.5(e)]

69. Methods of effectively controlling dust shall be implemented at the facility in order to prevent offsite migration. [N.J.A.C. 7:26A-3.5(e)]

70. Fire fighting and emergency procedures shall be posted, and shall include the telephone numbers of local fire, police, ambulance, and hospital facilities. If a fire occurs on-site, the facility shall immediately notify the local fire official and report the incident to the N.J.D.E.P. Environmental Action Hotline at 1-877-927-6337. [N.J.A.C. 7:26A-3.5(e)]

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71. Any suspected or prohibited hazardous waste, as defined at N.J.A.C. 7:26G-5, found in a load accepted at the recycling center shall not be returned to the generator. Such materials shall be segregated and stored in a secure manner and shall be immediately reported to the N.J.D.E.P. Environmental Action Hotline at 1-877-927-6337. The owner/operator of the recycling center shall secure the name of the collector/hauler suspected of delivering such waste to the facility and related information surrounding the incident, if available, and shall make this information known to N.J.D.E.P. enforcement personnel. [N.J.A.C. 7:26A-3.5(e)]

72. All revisions to the site plan and the approved documents which may be required as a result of the above, shall be submitted to this office for modification to this Approval. [N.J.A.C. 7:26A-3.5(e)]

73. Pursuant to N.J.A.C. 7:26A-3.11(a), the holder of this general approval shall obtain prior approval from the Department for any increase in the design capacity of the facility. The facility shall submit a request to the Department, in writing, for the proposed increase and shall submit updated information pursuant to the requirements of N.J.A.C. 7:26A-3.2(a), 3.4, or 3.8, as applicable. The facility shall also provide written notice of the request to the solid waste or recycling coordinator of the applicable district. [N.J.A.C. 7:26A-3.5(e)]

74. The sampling plan, collection, preservation, and handling for the sampling and analysis as required in this Approval must be performed in accordance with the New Jersey Technical Requirements for Site Remediation at N.J.A.C. 7:26E and the latest edition of the New Jersey Department of Environmental Protection, Hazardous Waste Programs, Field Sampling Procedures Manual. All analysis must be performed by a New Jersey certified laboratory using the most current approved test methodolgy. [N.J.A.C. 7:26A- 3.5(e)]

75. Recyclable aggregate materials listed below may be stored in the following areas up to the maximum pile heights and maximum volumes detailed in the table below and as depicted on the facility's approved site plan:

Area	Materials	Height (ft)	Volume (cu yds)
A	Process/unprocessed concrete, asphalt, brick, block & rock	40	142,072
A-1	Process/unprocessed concrete, asphalt, brick, block & rock	22	3,046
B	Processed Material: Various sized aggregates/fill materials	31	7,560
C	Processed Material: Various sized aggregates/fill materials or Glass Cullet	25	9,000
D	Processed/Unprocessed concrete, asphalt, brick, block, rock, various sized aggregates/fill materials; and/or dredged materials	40	122,162
E	Processed/Unprocessed concrete, asphalt, brick, block, rock, various sized aggregates/fill materials	40	38,052

. [N.J.A.C. 7:26A- 3.5(e)]

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76. In addition to the end markets for processed soil given in Condition 79, the facility may ship processed soil and processed soil blended with any combination of potable water treatment residuals, carbon filtration media and street sweepings off-site as non-waste material if it is to be used as subbase material for road or parking lot projects and meeting the following criteria: For processed soil to be used a subbase for road or parking lot construction, it shall be sampled and analyzed as follows: the processed soil shall be sampled and analyzed for extractable petroleum hydrocarbons (EPH) and all contaminants listed in the Department's Soil Remediation Standards at N.J.A.C. 7:26E. The sampling procedures shall be implemented in accordance with the New Jersey Technical Requirements for Site Remediation at N.J.A.C. 7:26E and the latest Field Sampling Procedures Manual and as follows: a) Every 800 cubic yards of processed soil shall be sampled and analyzed for the above contaminants in the following manner: a representative sample from every 100 cubic yards of processed soil shall be taken and these samples shall be composited into one sample and analyzed. When the volume of soil is less than 800 cubic yards, a representative sample of every 100 cubic yards, or fraction thereof, shall be taken and these samples shall be composited into one sample and analyzed. The analytical results shall indicate the soil meets the Non-Residential Soil Remediation Standards and contains less than 5,100 ppm of EPH. If the processed soil fails to achieve the criteria, it shall be shipped off-site as soild waste to an authorized solid waste facility. [N.J.A.C. 7:26A-3.5(e)]

77. Petroleum contaminated soil may be treated in the Low Temperature Thermal Desorption unit in accordance with the facility's Air Pollution Control Preconstruction Permit to Construct and Certificate to Operate functioning in compliance with N.J.A.C. 7:27-8. [N.J.A.C. 7:26A- 3.5(e)]

78. In addition to the aggregate storage areas listed above, the following storage areas may also be used to stored Class B materials up to the maximum storage pile heights and volumes listed in the table below and as depicted on the approved site plan:

Area	Materials	Height (ft)	Volume (cu yds)
F	Contaminated Soils and/or Street Sweepings	20	4,255
G	Contaminated Soils and/or Street Sweepings; and/or Processed/Unprocessed Wood	20	4,255
H	Indoor Tipping and Storage of Unprocessed Soil for LTTD	30	5,710
I	Indoor Storage of Processed Soil for LTTD	B1 – 30' B2 – 15' B3 – 15'	1,981 335 202
J	Indoor Tipping & Storage of Unprocessed Soil for LTTD	19	1,875
J(2)	Indoor Tipping & Storage of Unprocessed Soil for LTTD	25	2,950

. [N.J.A.C. 7:26A- 3.5(e)]

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79. For processed soil or processed soil blended with any combination of potable water treatment residuals, carbon filtration media or street sweepings to be shipped to end markets that have specific Department approved sampling and analytical requirements and acceptance criteria (such as alternative landfill cover materials at operating landfills or as fill or capping material at Brownfields sites with Department approved Remedial Action Workplans), the processed material shall be sampled and analyzed in accordance with those requirements. Any processed material that fails to meet the approved criteria may be reintroduced to the treatment process for further treatment. After further treatment, the processed material shall be re-sampled and analyzed as required to check if the criteria has been achieved. If the processed material fails to achieve the criteria, it shall be shipped off-site as solid waste to an authorized solid waste facility. [N.J.A.C. 7:26A- 3.5(e)]

80. Other uses for soil product produced by the facility may be allowed on a case-by-case basis as determined by use criteria and levels of contamination in accordance with Department guidance and regulations. Applications for case-specific determinations must be made to the Bureau of Transfer Stations & Recycling Facilities before shipment off-site as product. [N.J.A.C. 7:26A- 3.5(e)]

81. All analysis records must be kept for a minimum of three years and made available for inspection by state and local officials upon request. [N.J.A.C. 7:26A-3.5(e)]

82. Sampling & Analytical Requirements for Materials Acceptance
1. Sampling and analytical parameters for the acceptance of petroleum contaminated soil shall be conducted in accordance with the requirements specified in the facility's current Air Pollution Preconstruction Permit and Certificate to Operate issued pursuant to N.J.A.C. 7:27-8.
2. Potable water treatment residuals, carbon filtration media and street sweepings shall only be accepted if the facility receives, reviews and approves a signed certification from the generator certifying the material meets the Department's non-residential soil remediation standards along with analytical results and rationale documenting the basis for the certification.
3. Sampling and analytical parameters for the acceptance of slag material shall be determined on a case by case basis per Condition 82 of this Approval.
4. No sampling and analysis is required for the acceptance of concrete, asphalt, brick & block, untreated wood, or glass cullet. [N.J.A.C. 7:26A- 3]

83. Potable water treatment residuals, carbon filtration media, and street sweepings may be blended with petroleum contaminated soil following acceptance at the facility for the purpose of producing a soil product. [N.J.A.C. 7:26A- 3]

84. The acceptance of slag material shall be on a case by case basis. Analytical laboratory results shall be submitted to the Department prior to the facility accepting slag material. Only upon receiving Department approval shall slag be accepted at the facility. Slag material shall be blended with recycled aggregate at a ratio of 3:1 (3 parts recycled aggregate to 1 part slag). The blended slag shall be utilized as a sub-base material only and must be covered with either a concrete or asphalt impervious surface. [N.J.A.C. 7:26A- 3 .5(e)]

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85. The following processing equipment is approved for utilization at the facility for crushing, screening and thermal treatment:

Eagle 1400-45-CC Portable Recycling Plant - Serial #22212
Extec Crusher - Serial #7661
Low Temperature Thermal Desorption Unit - ID #18437
Extec S5 Screener - Serial #11046
Extec E7-1 Screener - Serial #9643
Extec E7-2 Screener - Serial #9807
Extec E7-3 Screener - Serial #10470
Komptech 6000 Shredder
. [N.J.A.C. 7:26-3]

APPENDIX 4B

BAYSHORE SOIL MANAGEMENT, LLC ANALYTICAL REQUIREMENTS

Material Sampling and Laboratory Guide

Site Type Petroleum Contaminated Soil	Sampling Frequency & Testing Requirements	EPH	Home Gen Cert	Total VOCs 8260B	PP Metals 6010B	Paint Filter 9095	SVOCs 8270C	PCBs 8080	Sulfur	Pesticides	TCLP
Residential < 20 CY/30T	1 sample per 30T	X	X								
Residential > 20CY/30T	1 Composite Sample per 800 CY / 1200T			X**	X	X					****
	1 Composite Sample per 100CY / 150T	X									
Commercial	1 Composite Sample per 800 CY / 1200T			X**	X	X					****
	1 Composite Sample per 100CY / 150T	X*									
Coal Tar / MGP soil	1 Composite per every 500 CY/ 750T	X		X**	X		X	X	X		****
Unknown Source / Historic or Urban Fill	1 Composite Sample per 800 CY / 1200T			X**	X***	X	X	X		X	****
	1 Composite Sample per 100CY / 150T	X									
Street Sweepings	1 Composite Sample per 800 CY / 1200T			X**	X***	X	X	X		X	****
	1 Composite Sample per 100CY / 150T	X									
Potable Water T.R. / CFM	1 Composite Sample per 800 CY / 1200T	X		X**	X***	X	X	X		X	****

* EPH or DRO is acceptable for Diesel Range contamination. GRO is required for Gasoline contamination. Mixed Fuels require both EPH and GRO.

** Discrete sampling for VOCs per NJDEP requirements is acceptable.

*** TAL or NJSRS Metals List required

**** TCLP will be required for any parameter which exceeds the RCRA 20X Rule

Acceptance of all projects are subject to the completion and review of a completed "PROFILE SHEET", the criteria noted above, and approval as granted by Bayshore Soil Management, LLC.

At the discretion of the facility, additional analysis may be required for project acceptance. Soils originating from substations/generating/switching stations, analysis for PCBs and SVOCs are requested.

It should be noted that soil with moisture content in excess of 18% per ASTM Standard Test Method D 2216-05, will be subject to a surcharge.

The amount of debris acceptable is 1% by volume; and any stone, brick, block and/or concrete should be 12 inch minus.

APPENDIX 4C

BAYSHORE SOIL MANAGEMENT, LLC ACCEPTANCE LIMITS

Parameter	Limit	Units	CAS No.
Acenaphthene	37000	mg/kg	83-32-9
Acenaphthylene	300000	mg/kg	208-96-8
Acetone	NA	mg/kg	67-64-1
Acetophenone	5	mg/kg	98-86-2
Acrolein	1	mg/kg	107-02-8
Acrylonitrile	3	mg/kg	107-13-1
Aldrin	0.2	mg/kg	309-00-2
Aluminum	NA	mg/kg	7429-90-5
Anthracene	30000	mg/kg	120-12-7
Antimony	450	mg/kg	7440-36-0
Arsenic	19	mg/kg	7440-38-2
Atrazine	2400	mg/kg	1912-24-9
Barium	59000	mg/kg	7440-39-3
Benzaldehyde	68000	mg/kg	100-52-7
Benzene	5	mg/kg	71-43-2
Benzidine	0.7	mg/kg	92-87-5
Benzo(a)anthracene	2	mg/kg	56-55-3
Benzo(a)pyrene	0.2	mg/kg	50-32-8
Benzo(b)fluoranthene	2	mg/kg	205-99-2
Benzo(ghi)perylene	30000	mg/kg	191-24-2
Benzo(k)fluoranthene	23	mg/kg	207-08-9
Beryllium	140	mg/kg	7440-41-7
1,1'-Biphenyl	34000	mg/kg	92-52-4
bis(2-Chloroethyl)ether	2	mg/kg	111-44-4
bis(2-Chloroisopropyl)ether	67	mg/kg	108-60-1
bis(2-Ethylhexyl)phthalate	140	mg/kg	117-81-7
Bromodichloromethane	3	mg/kg	75-27-4
Bromoform	280	mg/kg	75-25-2
Bromomethane	59	mg/kg	74-83-9
Methyl ethyl ketone	44000	mg/kg	78-93-3
Butyl benzyl phthalate	14000	mg/kg	85-68-7
Cadmium	78	mg/kg	7440-43-9
Caprolactam	340000	mg/kg	105-60-2
Carbazole	96	mg/kg	86-74-8
Carbon disulfide	110000	mg/kg	75-15-0
Carbon tetrachloride	2	mg/kg	56-23-5
Chlordane	1	mg/kg	12789-03-6
Chlordane (alpha and gamma)	1	mg/kg	57-74-9
alpha-Chlordane	1	mg/kg	5103-71-9
gamma-Chlordane	1	mg/kg	5103-74-2
Chlorobenzene	7400	mg/kg	108-90-7
Chloroethane	1100	mg/kg	75-00-3
Chloroform	2	mg/kg	67-66-3
Chloromethane	12	mg/kg	74-87-3
2-Chlorophenol	2200	mg/kg	95-57-8
Chrysene	230	mg/kg	218-01-9
Cobalt	590	mg/kg	7440-48-4

Copper	45000	mg/kg	7440-50-8
Cyanide	23000	mg/kg	57-12-5
4,4'-DDD	13	mg/kg	72-54-8
4,4'-DDE	9	mg/kg	72-55-9
4,4'-DDT	8	mg/kg	50-29-3
Dibenz(a,h)anthracene	0.2	mg/kg	53-70-3
Dibromochloromethane	8	mg/kg	124-48-1
1,2-Dibromo-3-chloropropane	0.2	mg/kg	96-12-8
1,2-Dibromoethane	0.04	mg/kg	106-93-4
1,2-Dichlorobenzene	59000	mg/kg	95-50-1
1,3-Dichlorobenzene	59000	mg/kg	541-73-1
1,4-Dichlorobenzene	13	mg/kg	106-46-7
3,3'-Dichlorobenzidine	4	mg/kg	91-94-1
Dichlorodifluoromethane	230000	mg/kg	75-71-8
1,1-Dichloroethane	24	mg/kg	75-34-3
1,2-Dichloroethane	3	mg/kg	107-06-2
1,1-Dichloroethene	150	mg/kg	75-35-4
cis-1,2-Dichloroethylene	560	mg/kg	156-59-2
trans-1,2-Dichloroethylene	720	mg/kg	156-60-5
2,4-Dichlorophenol	2100	mg/kg	120-83-2
1,2-Dichloropropane	5	mg/kg	78-87-5
1,3-Dichloropropene	7	mg/kg	542-75-6
cis-1,3-Dichloropropene	7	mg/kg	10061-01-5
trans-1,3-Dichloropropene	7	mg/kg	10061-02-6
Dieldrin	0.2	mg/kg	60-57-1
Diethyl phthalate	550000	mg/kg	84-66-2
2,4-Dimethyl phenol	14000	mg/kg	105-67-9
Di-n-butyl phthalate	68000	mg/kg	84-74-2
4,6-Dinitro-2-methylphenol	68	mg/kg	534-52-1
2,4-Dinitrophenol	1400	mg/kg	51-28-5
2,4-Dinitrotoluene	3	mg/kg	121-14-2
2,6-Dinitrotoluene	3	mg/kg	606-20-2
Dinitrotoluene (2,4-2,6- mixture)	3	mg/kg	25321-14-6
Di-n-octyl phthalate	27000	mg/kg	117-84-0
1,2-Diphenylhydrazine	2	mg/kg	122-66-7
Endosulfan I	6800	mg/kg	959-98-8
Endosulfan II	6800	mg/kg	33213-65-9
Endosulfan sulfate	6800	mg/kg	1031-07-8
Endrin	340	mg/kg	72-20-8
Ethylbenzene	110000	mg/kg	100-41-4
Fluoranthene	24000	mg/kg	206-44-0
Fluorene	24000	mg/kg	86-73-7
alpha-BHC	0.5	mg/kg	319-84-6
beta-BHC	2	mg/kg	319-85-7
Heptachlor	0.7	mg/kg	76-44-8
Heptachlor epoxide	0.3	mg/kg	1024-57-3
Hexachlorobenzene	1	mg/kg	118-74-1
Hexachloro-1,3-butadiene	25	mg/kg	87-68-3
Hexachlorocyclopentadiene	110	mg/kg	77-47-4
Hexachloroethane	140	mg/kg	67-72-1
Indeno(1,2,3-cd)pyrene	2	mg/kg	193-39-5
Isophorone	2000	mg/kg	78-59-1
Lead	800	mg/kg	7439-92-1
gamma-BHC (Lindane)	2	mg/kg	58-89-9

Manganese	5900	mg/kg	7439-96-5
Mercury	65	mg/kg	7439-97-6
Methoxychlor	5700	mg/kg	72-43-5
Methyl Acetate	NA	mg/kg	79-20-9
Methylene chloride	97	mg/kg	75-09-2
2-Methylnaphthalene	2400	mg/kg	91-57-6
2-Methylphenol	3400	mg/kg	95-48-7
4-Methylphenol	340	mg/kg	106-44-5
Methyl Tert Butyl Ether	320	mg/kg	1634-04-4
Naphthalene	17	mg/kg	91-20-3
Nickel	23000	mg/kg	7440-02-0
2-Nitroaniline	23000	mg/kg	88-74-4
Nitrobenzene	340	mg/kg	98-95-3
n-Nitrosodimethylamine	0.7	mg/kg	62-75-9
N-Nitrosodi-n-propylamine	0.3	mg/kg	621-64-7
n-Nitrosodiphenylamine	390	mg/kg	86-30-6
Pentachlorophenol	10	mg/kg	87-86-5
Phenanthrene	300000	mg/kg	85-01-8
Phenol	210000	mg/kg	108-95-2
Total PCBs	1	mg/kg	1336-36-3
Aroclor 1016	1	mg/kg	12674-11-2
Aroclor 1221	1	mg/kg	11104-28-2
Aroclor 1232	1	mg/kg	11141-16-5
Aroclor 1242	1	mg/kg	53469-21-9
Aroclor 1248	1	mg/kg	12672-29-6
Aroclor 1254	1	mg/kg	11097-69-1
Aroclor 1260	1	mg/kg	11096-82-5
Aroclor 1262	1	mg/kg	37324-23-5
Aroclor 1268	1	mg/kg	11100-14-4
Pyrene	18000	mg/kg	129-00-0
Selenium	5700	mg/kg	7782-49-2
Silver	5700	mg/kg	7440-22-4
Styrene	260	mg/kg	100-42-5
Tert Butyl Alcohol	11000	mg/kg	75-65-0
1,1,2,2-Tetrachloroethane	3	mg/kg	79-34-5
Tetrachloroethene	5	mg/kg	127-18-4
Thallium	79	mg/kg	7440-28-0
Toluene	91000	mg/kg	108-88-3
Toxaphene	3	mg/kg	8001-35-2
1,2,4-Trichlorobenzene	820	mg/kg	120-82-1
1,1,1-Trichloroethane	4200	mg/kg	71-55-6
1,1,2-Trichloroethane	6	mg/kg	79-00-5
Trichloroethene	20	mg/kg	79-01-6
Trichlorofluoromethane	340000	mg/kg	75-69-4
2,4,5-Trichlorophenol	68000	mg/kg	95-95-4
2,4,6-Trichlorophenol	74	mg/kg	88-06-2
Vanadium	1100	mg/kg	7440-62-2
Vinyl chloride	2	mg/kg	75-01-4
Xylenes (total)	170000	mg/kg	1330-20-7
m,p-Xylene	170000	mg/kg	
m-Xylene	170000	mg/kg	108-38-3
o-Xylene	170000	mg/kg	95-47-6
p-Xylene	170000	mg/kg	106-42-3
Zinc	110000	mg/kg	7440-66-6

APPENDIX 5

BURLINGTON COUNTY LANDFILL

APPENDIX 5A

BURLINGTON COUNTY LANDFILL PERMIT

Division of Solid and Hazardous Waste
PO Box 414
Trenton, New Jersey 08625-0414
Tel. # (609) 984-6900
Fax. # (609) 633-9839

SOLID WASTE FACILITY PERMIT

Under the provisions of N.J.S.A. 13:1E-1 et seq. known as the Solid Waste Management Act, this Solid Waste Facility Permit (Permit) is hereby issued to:

Burlington County Board of Chosen Freeholders

FACILITY TYPE	Class I Sanitary Landfill (including Landfill No. 1 and Landfill No. 2)
FACILITY NUMBER:	0318000167
MUNICIPALITY:	Florence Township
LOT NO.(S): BLOCK NO.	16.01, 16.02, 17.01, 17.02, 17.03 172.05
LOT NO.(S): BLOCK NO.	1, 3.01, 4, 5, 6, 8.01, 10 173
LOT NO.(S): BLOCK NO.	2, 3.01, 3.02, 3.03, 3.04, 3.05, 3.06 4.01, 4.02, 7 174
MUNICIPALITY:	Mansfield Township
LOT NO.(S): BLOCK NO.	1, 2, 3, 4, 5.01, 5.02, 5.03, 5.04, 5.05 5.06, 5.07, 6 44
EXPIRATION DATE:	March 30, 2003

This Permit is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection as same may be amended in the future. Any references herein to specific regulations include any future amendments thereto.
This Permit shall not prejudice any claim the state may have to riparian land, nor does it allow the Permittee to fill or alter or allow to be filled or altered in any way, lands that are deemed to be riparian, wetlands, stream encroachment areas or flood plains, or that are within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this state without prior acquisition of the necessary grants, permits or approvals from the Department of Environmental Protection.

Compliance with the terms of this Permit does not relieve the Applicant of the obligation to comply with all applicable state and federal statutes, rules and other permits.

Failure to comply with all of the conditions specified herein may result in revocation of this Permit and/or other regulatory or legal actions which the Department is authorized to institute by law.

This Permit is non-transferable without approval from the Department pursuant to N.J.A.C. 7:26-2.7(e).

December 14, 1987
Original Date of Issuance
(Landfill No. One)

Signed by Thomas Sherman, Assistant Director
Thomas Sherman
Assistant Director
Office of Permitting and
Technical Programs

March 31, 1998
Expansion Permit Issuance Date
(Landfill No. 1 and Landfill No.2)

May 17, 1999
Permit Modification Date

Solid Waste Facility Permit for the Burlington County Board of Chosen Freeholders, Florence and Mansfield Townships, Burlington County, Facility Number 0318000167.

This Permit is contingent upon compliance with and implementation of the following:

A. GENERAL CONDITIONS

1. Permitted Waste Types

The following solid waste materials, as identified by waste identification (ID) numbers and defined in N.J.A.C 7:26-2.13(g), may be accepted for disposal at the landfill:

I.D.	Waste
10	Municipal (Household, Commercial and Institutional)
13	Bulky Waste
13C	Construction and Demolition Waste
23	Vegetative Waste except leaves pursuant to N.J.S.A. 13:1E-99.21
25	Animal and Food Processing Waste
27	Dry Industrial Waste
27I	Waste material consisting of incinerator ash or ash containing waste

2. Prohibited Waste Types

The following waste materials, liquid or solid, as identified by waste identification (ID) numbers and defined in N.J.A.C. 7:26-2.13(g) and (h), may not be accepted for disposal at the landfill:

I.D.	Waste
12	Dry Sewage Sludge
27A	Waste material consisting of asbestos or asbestos containing waste
72	Bulk Liquid and Semi-Liquids
73	Septic Tank Clean-Out Wastes
74	Liquid Sewage Sludge

Leaves pursuant to N.J.S.A. 13:1E-99.21.

Regulated Medical Waste, Class 1 through 7, as per N.J.A.C. 7:26-3A.5.

Hazardous Waste as defined or otherwise classified in N.J.A.C. 7:26G-5.

Recyclable materials as designated in the Burlington County District Recycling Plan.

3. Recyclables

Recyclable materials designated in the Burlington County District Recycling Plan to be source separated pursuant to N.J.S.A. 13:1E-99.11 and 99.13b(2) shall not be accepted for disposal at the landfill.

Any recyclable materials described above that are detected in a load of waste accepted at the facility shall be handled pursuant to the Operations and Maintenance Manual.

4. Haulage Vehicles

Only vehicles properly registered, pursuant to N.J.A.C. 7:26-3, with the Department, unless exempt from the registration requirements pursuant to N.J.A.C. 7:26-3.3, and displaying the appropriate registration number and solid waste decal shall be admitted for the unloading of any solid waste at the facility. The facility shall be operated in accordance with N.J.A.C. 7:26-2.11.

5. Waste Delivery Haul Routes & Traffic Control

The Permittee shall ensure that all solid waste collection/haulage vehicles that access and egress the facility adhere to the mandatory truck routes specified in the Burlington County Solid Waste Management Plan and described in the Operation and Maintenance Manual for the landfill. The Permittee shall post at the facility and provide photocopies detailing primary truck routes to the users of the facility.

A majority of truck traffic entering the Resource Recovery Complex shall utilize I-295, travel east on Florence-Columbus Road (County Route 656), turn right at the traffic signal, and travel west on Burlington-Columbus Road (County Route 543) to the entrance of the County facility. Vehicles hauling materials generated within the Townships of Florence, Mansfield and Springfield are exempted from the mandatory traffic routes. Facility related vehicles shall not be backed, parked or queued on public streets or roads.

Waste deliveries to the facility shall be scheduled in a manner as to minimize truck queuing on the facility property. Under no circumstances shall delivery trucks be allowed to back up onto public roads.

6. On-site Traffic Control

On-site traffic control measures shall be implemented to provide for orderly vehicle movement on the facility grounds. These measures shall include the appropriate use of lane delineations, signals and signs. All delivery trucks shall queue, as necessary, in areas designated for that purpose. All on-site roadways utilized for vehicle traffic, excepting the temporary roads on the active areas of the landfill, shall be constructed and maintained to withstand heavy traffic usage.

7. Unauthorized Waste

As detailed in the Operations and Maintenance Manual, a program shall be maintained for detecting and preventing the disposal of regulated hazardous waste and other unauthorized wastes. The program shall include the random inspections of incoming loads, recording any inspections, and training of any facility personnel to recognize regulated hazardous waste. The program shall include the following:

a. Any truck suspected of hauling hazardous waste shall be stopped and inspected. Any vehicle found to be carrying a hazardous waste material as defined at N.J.A.C. 7:26G-5 shall not be permitted to unload at the facility.

b. Continuous visual monitoring of the discharged waste shall be conducted by facility personnel. Any suspected unacceptable waste shall be removed from the processing stream.

c. Any suspected hazardous waste, regulated medical waste, or liquids found in a load accepted at the facility shall not be returned to the generator. Such material shall be segregated and stored in a secure manner and the discovery of any such wastes at the facility shall immediately be brought to the attention of the NJDEP using the NJDEP Environmental Action Hotline at (609) 292-7172. The Bureau of Hazardous Waste Compliance and Enforcement shall also be contacted at (609) 584-4250. In addition, the Burlington County Health Department shall be contacted regarding the receipt of any suspected hazardous materials. The Permittee shall secure the name of the collector/hauler suspected of delivering such waste to the facility and related information surrounding the incident, if available, and shall make this information known to the Department's enforcement personnel.

8. Bulky Materials Recycling Center

The storage and processing of bulky wastes and recyclables shall be conducted in accordance with Section 7 of the Operations and Maintenance Manual, entitled "Bulky Materials Recycling Center", and Appendix A of this permit.

9. Household Hazardous Waste Facility

The operation of the on-site household hazardous waste facility shall be conducted in accordance with the Operations and Maintenance Manual entitled "Household and Small Quantity Generator Hazardous Waste Facility Operations and Maintenance Manual", dated November 5, 1993.

10. Hours of Operation

The Complex is open for the disposal of solid waste and the acceptance of bulky wastes and recyclables from 7:00 A.M. to 5:00 P.M., Monday through Friday, and from 7:00 A.M. to 2:00 P.M. on Saturday. The Household Hazardous Waste Facility may operate until 8:00 P.M. on weekdays and 5:00 P.M. on Saturdays. The Complex shall be closed Sundays and the following holidays, as defined in the facility's Operations and Maintenance Manual: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

The Department shall be notified of any changes in the operating hours of the facility. The entrance gate shall be posted with the aforementioned operating hours of the facility. The Department reserves the right to revise the above schedule should the operation of this facility, under any circumstances, result in violations of the noise level standards established in Condition A.12 (Noise Control) of this Permit.

11. Vector Control

The sanitary landfill shall be operated in a manner which minimizes the propagation and harborage of insects, rodents and birds. Cover material shall be applied as needed to control vectors. An effective vector control program shall be instituted and maintained throughout the site.

If vectors still present a problem, the Permittee shall implement a program in compliance with

the requirements of the New Jersey Pesticide Control Code, N.J.A.C. 7:30, by an applicator of pesticides certified in accordance with N.J.A.C. 7:30.

12. Noise Control

Noise control shall be implemented to ensure that sound levels generated by the facility operation, including vehicles, do not exceed the standards set forth by the New Jersey Noise Control Regulations at N.J.A.C. 7:29-1.2.

The Permittee shall prevent the continued entry to the facility of any vehicle not equipped with proper operating muffler systems or those vehicles which create excessive noise.

The Department reserves the right to require the Permittee to perform additional noise surveys to ensure continued compliance with N.J.A.C. 7:29.

13. Odor Control

The operation of the facility shall not cause any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, except for malodorous emissions emanating from the landfill which result in odors in areas over which the owner and/or operator has exclusive use or occupancy.

Malodorous emissions shall be controlled by the use of daily cover at the landfill. In the event that this is not satisfactory, a suitable deodorant shall be used. Malodorous solid waste shall be covered immediately after unloading with a minimum of six inches of cover material or approved alternative material.

14. Fire Safety

An adequate water supply and/or fire fighting equipment shall be readily available on-site or on call to extinguish any and all fires. In case of a fire, the Permittee shall immediately notify the local police and fire department having jurisdiction and the NJDEP action line at (609) 292-7172. The Permittee shall be responsible for initiating and continuing fire-fighting actions until all smoldering, smoking and burning ceases. The Permittee shall seek and obtain fire-fighting assistance if smoldering, smoking or burning persists for longer than 24 hours. The Permittee shall ensure that local fire companies are thoroughly versed in the emergency plan of action for a fire at the facility. Specific procedures are outlined in the approved Operations and Maintenance Manual for the facility.

Fire-fighting procedures and emergency procedures shall be posted prominently in the work area and shall include the telephone numbers of local fire, police, ambulance and hospital facilities.

15. Security

The existing perimeter chain link fence shall be maintained at the Burlington County Resource Complex to control access to the landfill.

Access to the site shall be restricted to facility personnel, authorized vehicles and authorized visitors only. Security procedures shall be implemented that provide for an effective means of controlling entry and exit at all times. Guards, attendants, visual monitors, or locked gates shall be utilized at all site entrance and exit roadways.

The Permittee shall allow reasonable access to the Florence Land Recontouring Landfill for purposes of remedial action, monitoring, and maintenance of the site.

16. Safety Procedures

A copy of the operating safety procedures shall be posted prominently in the work area. The Permittee shall follow the Occupational Safety and Health Administration (OSHA) standards in the construction and operation of this facility for the safety of contractors, employees and other persons entering the premises. Appropriate facility staff shall be trained to effectively respond to any equipment malfunction or emergency situation that may arise during facility operation.

In addition, the Permittee shall require in all contracts with private contractors performing work on behalf of the Permittee in construction and operation at the facility that the contractors adhere to all OSHA standards for the safety of its employees and other persons entering the premises.

17. Housekeeping

Routine housekeeping and maintenance procedures shall be implemented within the facility interior to prevent the accumulation of dust and debris on the public roads and to maintain general cleanliness in the working environment.

Litter at the landfill shall be controlled through the use of moveable fences of sufficient height or by an equivalent means. The litter fence shall be policed daily, and the litter collected shall be properly disposed of at the working face of the landfill. Litter shall be removed and properly disposed of on a daily basis along Route 543 and Route 656 from the facility entrance to Exit 52 of I-295.

Dust control at the landfill shall be affected by the spraying of water or the spreading of calcium chloride or an equivalent method approved by the Division as needed. Spraying of waste oil is prohibited.

Mud, soil, or other materials shall not be tracked onto any public roads by exiting vehicles. Effective measures shall be implemented to comply with this condition. If these measures prove ineffective in controlling soil tracking, the Permittee shall remove all soil or other materials from the tires of exiting vehicles by means of a high pressure steam (or water) cleaning apparatus combined with a rumble rack.

18. Facility Operator

Any private individual, entity or corporation selected by the Permittee to operate part or all of the facility activities shall be fully registered with the Department to conduct solid waste business in the State of New Jersey pursuant to the provisions set forth at N.J.A.C. 7:26-16.

19. Facility Personnel Training

All personnel who are directly involved in facility management activities or who operate, service or monitor any facility equipment, machinery or system shall successfully complete an initial program of classroom instruction or on-the-job training which includes instruction in the operations and maintenance of the equipment, machinery and systems which teaches them to perform their duties in a manner that ensures the facility's compliance with the requirements of N.J.A.C. 7:26 and the conditions of all Departmental permits issued to the facility.

The training program shall ensure that appropriate facility personnel are able to effectively respond to any equipment malfunction or emergency situation which may arise. The training program shall provide instruction in the use of safety equipment, procedures for inspecting and repairing facility equipment, machinery and monitoring systems and the procedures to be followed during planned or unplanned shutdown of operations.

The training program shall require constant monitoring of incoming loads and shall include instruction related to identification and proper handling of suspected unauthorized waste types. Instruction in fire training and noise monitoring shall be provided to appropriate personnel.

20. Facility Staffing

The facility shall maintain sufficient staff to ensure proper, orderly and safe operation of all materials handling, processing, monitoring and control, safety, emergency, and security equipment items. Concurrently, the level of staffing shall provide the capability to handle all routine facility maintenance requirements and also to respond to all emergency situations.

A fully trained and qualified foreman or supervisor who is designated and authorized by the Permittee to direct and implement all operational decisions shall be present at the facility during all operating hours.

21. Emergency Actions

In the event of an emergency, all measures outlined in N.J.A.C. 7:26-2A.8(b)42 shall be followed. The Department shall be notified immediately at (609) 292-7172.

22. Plans On-Site

One complete set of the approved engineering plans, the engineering reports, the final Operations and Maintenance Manual, the operations record, the environmental and health impact statement and a copy of this Permit shall be kept at the facility and shall be made available for inspection by Department personnel or its designated representatives.

23. As-Built Certification

Upon completion of construction of each phase of the landfill, certification by a New Jersey licensed Professional Engineer with expertise in civil or geotechnical engineering shall be

provided as specified in N.J.A.C. 7:26-2A.7(a)20 through 24. The certification shall include a summary of daily quality control reports, all test results and two sets of as-built drawings.

No work performed under this Permit shall be considered complete until such engineer's certification has been submitted to and accepted by this Division. In the event that said certification is not received or is not accepted, the work shall be considered incomplete.

All certifications shall bear the raised seal of the licensed professional engineer, the engineer's signature, and the date of the certification. The certification shall include the following statement: "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals under my supervision, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment. I understand that, in addition to criminal penalties, I may be liable for a civil administrative penalty pursuant to N.J.A.C. 7:26-5 and that submitting false information may be grounds for denial, revocation or termination of any solid waste facility permit for which I may be seeking approval or now hold."

24. Duration of Permit

This Permit shall be effective for a maximum period of five (5) years from the date of its issuance. This Permit may be renewed at that time upon proper application, in accordance with procedures outlined in N.J.A.C. 7:26-2.7(b).

25. Right of Entry

The Permittee, by acceptance of this permit, hereby authorizes entry by Department representatives to make whatever inspections, searches, or examinations are deemed necessary by those representatives to determine the extent of compliance with any conditions of this Permit.

26. Operations Record

The management of all waste received for disposal shall be consistent with the Burlington County District Solid Waste Management Plan pursuant to N.J.A.C. 7:26-6.12. Records of the facility's operations shall be maintained on a daily basis by the Permittee. Monthly summaries shall be submitted, before the 20th of each month following the month for which the information was recorded, to:

New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
Bureau of Recycling and Planning
PO Box 414
Trenton, New Jersey 08625-0414

The information shall include, but not be limited to, the following:

a. The weight of solid waste delivered to the facility for each waste type authorized by

this Permit;

b. The number of collection vehicles delivering waste to the facility;

c. The volume and tonnage of waste flow, reported by type, from each municipality;

d. The volume and tonnage of waste removed for disposal and the facility receiving the waste (when applicable);

e. The number of vehicles removing waste for disposal or recyclables for reuse or further processing from the facility; and

f. The tonnages and types of source separated recyclable materials received pursuant to N.J.A.C. 7:26-2.11(b)15 and recyclable materials separated from the solid waste received.

Where applicable, the information required to be recorded in the daily record shall be supplied by the transporter to the facility operator on the waste origin/disposal (O&D) form (or duplicates of same). The O&D forms shall be kept by the Permittee for a minimum of one year and shall make them available for inspection by the representatives of the Department or the local health department any time during normal working hours. The daily record shall be maintained at the operating facility on forms provided by the Department or duplicates of same, or on systems acceptable to the Department and shall be kept for five years. The daily record shall be available for inspection by representatives of the Department, county lead agency certified by the Department pursuant to N.J.S.A. 26:3A-2 for any county from which solid waste is received, or the local health department at any time during normal working hours.

B. SANITARY LANDFILL

I. DESIGN AND CONSTRUCTION

Landfill No. 1 is constructed and operational. The following shall apply to Landfill No. 2 unless otherwise noted.

1. Landfill Development Plan

In accordance with the design, Landfill No. 2 shall consist of 26 sections ranging in size from 2 to 4.2 acres. These 26 sections will be constructed in four or five phases over a fourteen year period. The Landfill No. 2 cap will be constructed in three phases. The leachate recirculation and gas collection systems will be installed in 31 phases over a fifteen year period.

The waste fill limits (the area within the perimeter berm) of Landfill No. 2 are approximately 69.8 acres; of this acreage, 53.4 acres will be utilized for the disposal of unprocessed solid waste. The remaining 16.4 acres will be dedicated for the disposal of residue resulting from mining activities at Landfill No. 1 in the event that the Permittee determines that mining of that facility is feasible and has obtained all necessary approvals from the Department. If the mining of Landfill No. 1 is determined not to be feasible or is otherwise not approved by the

Department, the 16.4 acre landfill (known as the "Residual Landfill") will be used for the disposal of conventional solid waste. Should this be the case, the liner profile for the 16.4 acre landfill shall be exactly the same as the 53.4 acre landfill. In accordance with the engineering design, the two landfill areas shall be separated by an interim berm which will be set at the same height as the perimeter berm to allow the two landfill areas to be developed separately. Leachate recirculation, as defined in Condition B.4, will not be permitted in the Residual Landfill if mining activities occur. A five (5) foot thick clay berm shall be constructed around the perimeter of Landfill No. 2 which will be in compressive contact with a geomembrane liner. The berm shall have a maximum permeability of 1×10^{-7} cm/sec.

2. Landfill's Liner System Profile

Liner profiles for each section of Landfill No. 2 shall be as follows (slight deviations may be noted for the perimeter berm, as provided for in the engineering design):

A. Solid Waste Landfill

The landfill's composite liner system profile, in ascending order, shall be as follows:

N The clay component of the composite liner system shall consist of a minimum of (3) feet of in-situ or recompacted clay, having a maximum permeability of 1×10^{-7} cm/sec, excavated to the grades indicated on the engineering designs. Alternatively, a geosynthetic clay liner (GCL) having a thickness of approximately ¼inch and a maximum permeability of 5×10^{-9} cm/sec may be substituted for the upper eighteen inches of in-situ or recompacted clay.

N A geomembrane liner consisting of high density polyethylene possessing a nominal thickness of 60 mils.

N A geocomposite drainage layer consisting of a HDPE geonet bonded by a non-woven geotextile on top to prevent the intrusion of fines into the geonet.

N An 18-inch drainage layer consisting of sand with a minimum hydraulic conductivity of 1×10^{-2} cm/sec following compaction. This drainage layer shall contain twelve-inch perforated PVC pipes to convey the leachate to the perimeter header and pumping system.

B. Residual Landfill

N The liner system for the Residual Landfill shall consist of a minimum of (3) feet of in-situ or recompacted clay, having a maximum permeability of 1×10^{-7} cm/sec, excavated to the grades indicated on the engineering designs.

N An 18-inch drainage layer consisting of sand with a minimum hydraulic conductivity of 1×10^{-2} cm/sec following compaction. This drainage layer shall contain six-inch perforated PVC pipes to convey the leachate to the perimeter header and pumping system.

In the event that mining is determined to be infeasible, the area within the Residual Landfill

shall be constructed in the same manner as the Solid Waste Landfill to allow for the disposal of conventional solid waste.

The minimum slopes of the liner shall be 2% on controlling slopes and 0.5% on remaining slopes.

Recompacted clay shall be placed in lifts not exceeding nine (9) inches and be compacted within a range of moisture and density that will result in the required impermeability. Each lift of clay shall be tested in-place for moisture and density at fifty (50) foot intervals on a grid pattern. Permeability testing shall be performed on undisturbed core samples of the final graded liner. Such samples shall be taken at a minimum of 200-foot intervals on a grid pattern across the surface of the liner.

Whenever a sample fails to meet the required maximum permeability, the section of failure shall be localized, reconstructed, and retested. If the clay liner again fails to meet a maximum permeability of 1×10^{-7} cm/sec., the Division of Solid and Hazardous Waste shall be notified immediately and further construction shall not commence until authorized by the Division. All core sample holes shall be backfilled and recompacted by hand tamping at the proper moisture content to achieve the minimum liner hydraulic conductivity.

Moisture/density tests on the clay component of the liner system shall be plotted on the appropriate moisture/density curve with the "acceptable permeability zone (APZ)" displayed. Moisture/density tests falling outside of the APZ shall be considered failed tests and shall be reworked and retested until they pass. A table of the moisture/density results shall be presented in numerical order by lifts. Retest results shall provide an explanation of what was done to cause the failed tests to pass. Both the moisture density curve with plotted test results and the table of moisture/density data shall be included in any quality control report submitted to this Division.

The geomembrane liner shall be of high quality materials and shall meet the minimum requirements as outlined in the most recent version of the National Sanitation Foundation's publication "Standard Number 54 Flexible Membrane Liners". The geomembrane shall be compounded from first quality virgin materials. No regrinded or reprocessed materials containing encapsulated scrim shall be used in the manufacturing of the geomembrane. During field seaming, a destructive seam test sample shall be prepared for every 500 feet (or as otherwise approved by the Division for that particular construction event) of field seam. All samples shall be tested for peel and sheer strength. Seams shall be stronger than the liner.

All tests performed during the construction and installation of the landfill's baseliner system shall be in accordance with ASTM, AASHTO or equivalent methods and the approved QA/QC Plan. All test results shall be submitted to this Division along with a New Jersey Licensed Professional Engineer's certification in accordance with Condition A.24 (As-Built Certification) that the liner has been constructed in accordance with this Permit.

3. Leachate Collection System

A leachate collection system, as shown on Sheet Numbers LF-34, LF-35 and LF-36 of the design plans, shall consist of a high capacity 250 mil geonet bonded on top by a non-woven geotextile to prevent the intrusion of fines into the planar net. The geonet shall be overlain

by a drainage layer consisting of 18 inches of concrete sand having a permeability greater than 1 x 10^{-2} cm/sec. Leachate collection lines consisting of twelve (12) inch diameter perforated class 200 P.V.C. pipe shall be constructed in V-shaped stone trenches at 100 foot spacings. The Residual Waste Landfill, should mining be approved, shall have (6) inch diameter pipe; otherwise, twelve inch pipe shall be used.

The leachate collection laterals in the Residual Waste Landfill shall tie into the down-gradient leachate collection laterals in the Solid Waste Landfill at the interim berm. The leachate collection laterals shall drain to the collection manholes located at the downgradient end of the landfill. The manholes discharge in a 36-inch diameter header pipe which shall drain to the leachate pump station. From there, the leachate is pumped into one of two 200,000 gallon leachate surge tanks for subsequent on-site or off-site treatment. The pump station shall have two submersible, explosion-proof dewatering pumps suitable for continuous service; the second pump shall serve as a contingency in case of primary pump failure.

The leachate collection system shall be cleaned out annually (or as approved by the Division) to maintain proper flow.

4. Leachate Recirculation System

Leachate and wastewater generated at the Burlington County Resource Recovery Complex shall be permitted, at the Permittee's option, to be recirculated through Landfill No. 2 as required to maintain the waste fill at field capacity for a period of five years. Leachate recirculation shall be initiated in stages as various sections within Landfill No. 2 attain intermediate fill elevations and final fill elevations.

In accordance with the design, the leachate recirculation system consists of two levels of distribution piping: an intermediate-level distribution network will be located fifty feet above the liner system and a high-level distribution network will be located three feet below the landfill cap. Both networks will be activated in twenty-one stages. The leachate recirculation system is designed to regulate the flow of leachate through the distribution network in any level or stage to be reduced or increased by adjustment of a control valve.

Leachate seeps in side-slopes, should they occur during the leachate recirculation process, shall be repaired in accordance with the procedures set forth in the Operations and Maintenance Manual for Landfill No. 2.

The hydraulic head on the composite liner system shall be maintained at less than twelve inches at all times. A minimum of six leachate head monitoring probes shall be installed located at the south end of the landfill so that the hydrostatic head on the liner system is continuously monitored during leachate recirculation conditions. Liner head readings shall be reported quarterly to the Department (see "Summary of Required Submittals" at Section B.II.7 of this Permit).

Should the operation of the leachate recirculation system result in odor problems beyond that which can be controlled by the gas collection system or the application of daily cover and/or deodorants as described in Condition A.13 of this Permit, the Permittee shall shut down the operation of the leachate recirculation system until a corrective action is implemented.

Should the Permittee choose to forgo the leachate recirculation option, landfill gas wells and

appurtenant facilities shall be constructed with each phase of cap construction as provided for in Condition B.I.9 of this Permit.

5. Leachate Treatment and Disposal

Leachate generated at this facility shall be treated at the on-site leachate treatment plant prior to discharge to the Assiscunk Creek in accordance with NJPDES Permit No. NJ0055395. Operation of the plant shall be inspected on a daily basis as outlined in the Operations and Maintenance Manual. In the event that the treatment plant is shut down, or if leachate generation quantities exceed the treatment plant's capacity during periods of high flow, leachate shall be trucked off-site for treatment in accordance with the schedule contained in the leachate management strategy section of the Operations & Maintenance Manual. The facility shall maintain at all times the necessary permits and contracts for the off-site disposal of leachate.

6. Final Cover

Final cover shall comprise an impermeable cap consisting of the following (in ascending order):

N A minimum of a twelve (12) inch layer of pervious cover material (final intermediate cover). This layer shall promote lateral gas movement to the extraction wells.

N An eighteen inch layer of low permeable (1×10^{-5} cm/sec) Pleistocene soil in compressive contact with a 40 mil Flexible Membrane Liner (FML, such as Very Flexible Polyethylene).

N Drainage net composite with non-woven geotextile.

N A twelve (12) inch sand drainage layer with a minimum permeability of 1×10^{-3} cm/sec.

N A six (6) inch layer of topsoil bearing vegetation.

Final cover, as defined herein, shall be applied to each section after solid waste placement has reached final elevations at the landfill. Sections which reach final interim grades shall be capped with the final cover system to enable the initiation of the high level leachate recirculation and gas recovery well systems as soon as practicable. Alternatively, the permittee may construct a temporary cover system for sections that reach interim grade where no landfilling has occurred for a period of six months. The temporary cover system shall consist of a twelve (12) inch low permeability Pleistocene soil layer overlain by drainage and/or vegetative layers. The temporary cover shall be designed to help control gases and odor; reduce leachate generation, promote drainage and minimize erosion while the landfill is undergoing settlement and subsidence.

The final cover shall be stabilized by the establishment of vegetative cover in accordance with the Soil Erosion and Sediment Control Plan.

7. Ground and Surface Water Monitoring

Ground water monitoring for the sanitary landfill shall be conducted in accordance with the provisions of N.J.A.C. 7:14A-9, "Ground Water Monitoring Requirements for Sanitary Landfills".

Surface water discharges at the landfill shall be in accordance with the approved NJPDES Discharge to Surface Water (NJPDES/DSW) Permit.

8. On-Site Baseline

In accordance with N.J.A.C. 7:26-2A.7(a)2, the on-site baseline consisting of two vertical and horizontal control monuments shall be maintained at the Burlington County Resource Recovery Complex.

9. Landfill Gas Venting and Monitoring

Methane gas monitoring wells shall be installed around Landfill No. 1 and 2 as shown on the engineering designs. Testing of the wells for the presence of methane gas shall be conducted on a quarterly basis. On an annual basis, a methane gas survey shall be performed at 300-foot intervals around the perimeter of the landfill's buffer zone. Test results shall be submitted to the Bureau of Landfill and Recycling Management within thirty (30) days of testing. The permittee shall notify the Bureau within twenty-four (24) hours if and when gas is detected at or above 25% of the lower explosive limit.

The active landfill gas collection system for Landfill No. 1 shall consist of a gas collection piping network, extraction wells and centrifugal blowers which will direct gas to a flare or energy recovery device. The gas collection and control system shall be installed in two phases in conjunction with the final capping system.

Landfill No. 2 shall also have an active landfill gas collection system consisting of a gas collection piping network, extraction wells and centrifugal blowers. The active gas collection system shall be installed and operated in Landfill No. 2 concurrent with the installation and operation of the intermediate and high level leachate recirculation systems. A series of horizontal extraction wells shall be constructed during the operational phases of Landfill No. 2. Additional gas extraction wells shall be drilled into the refuse during each landfill capping phase. The horizontal and vertical wells shall be connected to laterals leading to the main piping system.

All collected gas shall be flared on-site or used for energy applications. An Air Pollution Control Permit shall be obtained prior to the construction of each landfill gas collection system pursuant to N.J.A.C. 7:27-8.2(a)16.

10. Landfill Service Capacity (Landfill No. 2 and Vertical Extension of Landfill No. 1)

The area of Landfill No. 1 waste fill limits is approximately 54 acres. A 25-acre cap is currently being constructed on the western portion of the landfill. The vertical extension shall be limited to 18.4 acres on the eastern portion of the landfill and shall not infringe upon the phase limit cap termination line. Final elevations, as shown on Sheet Nos. LF-34A, LF-38A, LF-42A and LF-43A, shall not exceed 165 feet above mean sea level.

Landfill No. 2 is located west and southwest of Landfill No. 1. The area of Landfill No. 2 waste fill limits shall be approximately 69.8 acres. Disposal of waste shall be limited to this area when disposal capacity in Landfill No. 1 is exhausted. Final elevations of Landfill No. 2, including final cover, shall not exceed 152 feet above mean sea level as shown on Sheet No. LF-14 of the engineering design.

11. Soil Erosion and Sediment Control

The Permittee shall comply with all requirements of the Soil Erosion and Sediment Control Plan as certified by the Burlington County Soil Conservation District. All soil and sediment control practices shall be installed in their proper sequence and be regularly maintained.

12. Future Mining of Landfill No. 1

It is indicated in the application documents that following the construction and start-up operations of Landfill No. 2, the Permittee may initiate application proceedings for the mining and reclamation of Landfill 1. This Permit shall in no way be construed as an approval of any future mining operations at Landfill No. 1 within the Burlington County Resource Recovery Complex. The Permittee shall submit a complete application for the implementation of a full-scale landfill mining and reclamation project to the Department and obtain an approval prior to the initiation of any mining operation. The application shall be in conformance with the rules and policies of the Department governing landfill mining and reclamation activities at that time.

13. Construction Quality Assurance/Quality Control (QA/QC)

The Quality Assurance/Quality Control Plan, as contained in Section 4 of the Engineering Design Report dated October 1996 with specific modifications noted in the Response to DEP Notice of Deficiency Document, shall be adhered to during all construction phases. Quality control inspectors shall be at the site during construction to ensure and verify that the design and permit requirements are properly implemented.

A quality assurance inspector approved by the Department shall be at the site during the initial construction phase of the subgrade preparation, liner system and leachate collection system. The inspector shall oversee the remainder of this work on a periodic basis as necessary. The quality assurance inspector shall conduct this work independent of the resident QA/QC team. The scheduled frequency of inspections by the independent quality assurance inspector may be reduced or discontinued by the Department in accordance with N.J.A.C. 7:26-2A.7(a)15.

A least 30 days prior to the start of construction, the quality assurance inspector shall meet with the Department to establish reporting procedures and frequency, in accordance with the construction schedule. Daily QA/QC reports shall be prepared and maintained in a log book which shall be available at the job site for inspection by the Department. All test results shall be included in the log book.

The resident QA/QC team shall ensure that all Quality Assurance and Quality Control procedures are followed pursuant to Departmental guidelines as stated in the Solid Waste Management regulations, N.J.A.C. 7:26-1 et seq., in the construction of the landfill.

14. Engineering Designs and Documents of Record

The construction and operation of this facility shall be in accordance with the provisions of N.J.A.C. 7:26-1 et seq., and the following design reports and engineering designs. In case of conflict, the conditions of this Permit shall supersede those of the engineering designs.

A. Solid Waste Facility Permit Modification Application for Landfill No. 1 Vertical Extension consisting of the following documents:

1. Letter of transmittal from the Burlington County Board of Chosen Freeholders, dated September 12, 1997;

2. Document prepared by Richard A. Alaimo Engineering Company, dated September 1997, consisting of Engineering Design Report, HELP Model Analyses, Landfill Gas Generation Data, Slope Stability Analysis and Pipe Loading Calculations; and

3. Engineering Design Drawings showing revised elevations, Sheets C-1, LF-34A, LF-38A, LF-42A and LF-43A, dated September 12, 1997, signed and sealed by Richard A. Alaimo, P.E., New Jersey License No. 13195. These drawings supersede certain drawings listed at C and F below.

B. Solid Waste Facility Permit Application for Landfill No. 2 consisting of the following documents:

1. Letter of transmittal from the Burlington County Board of Chosen Freeholders, dated January 15, 1997;

2. Engineering Design Report, prepared by Richard A. Alaimo Engineering Company, dated October 1996. The Engineering Design Report consists of the following appendices:

a. Appendix A consisting of the Registered Well Inventory;
b. Appendix B consisting of construction cost estimates;
c. Appendix C consisting of HELP Model Analyses prepared by Richard A. Alaimo Engineering Company;
d. Appendix D consisting of Slope Stability Analyses prepared by Woodward Clyde Consultants; and,
e. Appendix E consisting of Hydrologic, Hydraulic, Soil Erosion and Sediment Control Calculations prepared by Richard A. Alaimo Engineering Company.

3. Updated Geologic and Hydrogeologic Site Characterization Report prepared by Woodward Clyde Consultants, dated April 1996;

4. Preliminary Operations and Maintenance Manual prepared by Richard A. Alaimo Engineering Company, dated December 1996;

5. Revised Environmental and Health Impact Statement prepared by IT

Corporation, dated January 1997;

6. Engineering Design Drawings consisting of 93 sheets, dated October 25, 1996, signed and sealed by Richard A. Alaimo, P.E., New Jersey License No. 13195. Sheets LF-6, LF-8, LF-9, LF-11, LF-12, LF-13, LF-17, LF-18, LF-20, LF-21, LF-28, LF-29, LF-32, LF-34, LF-36, LF-44, LF-46, LF-48, LF-49, LF-52, LF-53, P1-2, P1-4, P1-6 and P1-8 are superseded by sheets bearing same numbers with revision date of September 4, 1997 due to design changes affecting manholes; and,

7. Document entitled "Response to DEP Notice of Deficiency No. 1", appended with letter dated May 14, 1997 from the Burlington County Board of Chosen Freeholders.

C. "Solid Waste Facility Permit Modification for (Upgraded) Gas System Design" prepared by SCS Engineers, dated November 1997.

D. "Solid Waste Facility Permit Modification for Final Cover and Gas System Design" prepared by Richard A. Alaimo Engineering Company, dated May 1996.

E. Permit Renewal Application, dated November 9,1992 and the addendums filed January 19, 1993, February 1, 1995 and April 27, 1995.

F. The engineering designs entitled "Burlington County Resource Recovery Complex Scale House Facility" prepared by Birdsall Engineering, sheets 1-11, A1-A7, SE1 and SE2 dated January 1, 1995.

G. The engineering designs entitled "Burlington County Solid Waste Facilities Complex Landfill Design" prepared by Richard A. Alaimo Engineering Company, signed by Richard A. Alaimo, P.E., consisting of 206 sheets, dated August 31, 1987.

H. "Engineering Design Report for the Burlington County Landfill" prepared by Richard A. Alaimo Engineering Company, dated September 1986.

I. Sheets P1-21, P1-22, P1-23, P1-24, P1-26 and P1-28, dated March 1998 and revised on February 11, 1999, signed and sealed by Richard A. Alaimo, P.E., accompanied by letter dated April 30, 1999 requesting minor permit modification for geosynthetic clay liner (GCL) for Landfill No. 2, Phase 1 (Sections 1 through 6).

15. Buffer Zone and Landfill Setback

The landfill's setback area shall be as shown on the engineering designs, and shall be no less than 200 feet. A minimum of 50 feet of buffer zone within the setback area shall be maintained adjacent to all public roads. The buffer zone shall consist of naturally wooded areas and plantings as shown on the landscape plan contained in the engineering designs.

II. OPERATIONS, MAINTENANCE AND MONITORING

1. Final Operations and Maintenance Manual

The Final Operations and Maintenance (O&M) Manual shall contain, in full, all relevant procedures for the operations and maintenance of Landfill No. 2. References to other manuals (i.e. the approved O&M Manual for Landfill No. 1, last revised in February 1995) shall not be used in place of a full listing of O&M Manual procedures.

The Final Operations and Maintenance Manual shall be submitted to the Department at least sixty (60) days prior to the initiation of landfilling operations in the newly constructed landfill.

2. Inspection, Operation and Maintenance Schedules

The following shall be performed on a daily basis:

- Record leachate head levels during the leachate recirculation process
- Record leachate flowmeter reading
- Inspect leachate pumping stations
- Inspect leachate storage tanks
- Inspect methane gas evacuation system
- Inspect storm water sedimentation and detention basins
- Record precipitation
- Police buffer zone and site entrance for litter

The following shall be performed on a weekly basis:

- Inspect all environmental control systems
- Inspect ground water monitoring wells for damage

The following shall be performed after storm events:

- Inspect sedimentation and detention basins and surface runoff structures
- Inspect leachate collection manholes and pump stations
- Inspect all environmental control systems

The following shall be performed on a quarterly basis:

- Conduct methane gas survey around perimeter of the buffer zone of active landfill areas

The following shall be performed on an annual basis:

- Perform topographic survey of landfill
- Inspect leachate storage tank for leaks
- Conduct methane gas survey around perimeter of the buffer zone of the sanitary landfill

The following shall be performed biennially:

- Survey the baseline vertical and horizontal control monuments

- Overhaul leachate pumping system
- Overhaul methane gas pumping system

In addition to the above, inspection, operation and maintenance of other aspects of the facility shall be performed, as necessary, in order to meet the terms of this Permit and all applicable regulations.

The Permittee shall record the results of the inspections in a log book which shall be maintained at the sanitary landfill office and be available, at all times, for inspection by the Department. These records shall include the date and time of the inspection, the name of the inspector, a notation of observations and recommendations, and the date and nature of any repairs or other remedial action.

3. Waste Disposal Methods

The working face shall be confined to the smallest practical area, as is consistent with the proper operation of trucks and equipment, in order that the area of waste material exposed during the operating day is minimized. The maximum working face width shall not exceed 150 feet. At no time shall the area of exposed waste be greater than 15,000 square feet. The lift height of a daily cell, including cover soil, shall not exceed 12 feet. Waste shall be compacted in 2-foot layers. The maximum working face slope shall not exceed 3:1 (horizontal to vertical).

Bulky waste and any sharp or penetrating objects shall not be disposed of in the first four feet of the initial lift in each landfill cell.

4. Cover Requirements

Daily and intermediate cover shall be of the types that can be workable under all weather conditions. A soil/compost mix may be used for daily cover only.

A sufficient quantity of cover material shall be available at all times to ensure proper operation of the landfill. At the end of each day, at least 6 inches of soil or an alternative cover material approved by the Department as daily cover, shall be placed on areas of the solid waste working face that will be exposed for less than 24 hours. Intermediate cover, which shall consist of at least 12 inches of soil, shall be applied to all surfaces exposed for any period exceeding 24 hours.

5. Surface Water Control

The grade and thickness of cover material on all surfaces of the facility shall be maintained regularly so as to prevent the occurrence of ponding of water anywhere on the active landfill area except in designated stormwater control ponds. All provisions of the drainage plans as indicated in the approved engineering design shall be implemented. The channels and drainage structures shall be regularly maintained. Any drainage from the active landfill area shall be such as not to cause siltation.

6. Closure and Post-Closure Plan

The Permittee shall comply with the requirements of N.J.A.C. 7:26-2A.9 for the closure and

post-closure care of this facility. Failure to comply with the requirements of any closure plan approval issued from the Department may result in the revocation of this Permit.

7. Summary of Required Submittals

The following information shall be submitted to the Bureau of Landfill and Recycling Management, Division of Solid and Hazardous Waste, of this Department:

	Document	Due Date
1)	Recordings of leachate head levels	quarterly
2)	Perimeter gas monitoring results	quarterly
3)	Leachate monitoring results (quality and quantity)	quarterly
4)	Daily precipitation summary	quarterly
5)	Topographic survey and report	annually (prior to May in accordance with 7:26-2A.8(i))
6)	Closure and Financial Plan Two Year Update	biennially

C. TRANSFER STATION

1. Delivery and Receipt of Waste Materials

Mixed loads of solid waste delivered to the Complex in front-end and rear-end loaders shall be unloaded at the transfer station. Mixed loads of solid waste delivered in vehicles requiring manual unloading shall be unloaded at the Convenience Center. Waste unloaded at the convenience center and transfer station shall be transported to the landfill working face in transfer trailers by operating personnel.

The Operator may, at its discretion, direct vehicles to the working face of the landfill if the load presents handling problems or if unsafe conditions suddenly exist at the transfer station.

2. Referenced Engineering Plans and Documents

The construction and operation of the transfer station shall be in accordance with the provisions of N.J.A.C. 7:26-1 et seq., and the designs plans previously approved and referenced at Condition B.I.14 F and G of this Permit.

3. Waste Inspection and Handing Program

Inspection and handling of waste materials received at the transfer station shall adhere to the procedures outlined in the Operations and Maintenance Manual.

4. Waste Retention Time

No solid waste shall be allowed to remain on the tipping floor overnight, except in the case of an emergency and with prior approval of the Department.

5. Housekeeping

The tipping floor and the transfer trailer tunnel shall be swept with a wet sweeping truck as needed during the operating day to remove litter and debris. The entire building shall be thoroughly cleaned at the end of the operating day.

6. Wastewater Disposal

All waste water resulting from the operation and washdown of the concrete tipping floor and transfer trailer pit area shall be directed to a sump via the floor drains. This waste water is pumped to the landfill leachate collection system for treatment and disposal in accordance with Condition B.I.5 of this Permit.

7. Maintenance and Repair

Through an effective inspection, planned maintenance, repair and parts replacement program, the transfer station and related appurtenances shall be kept in proper operating order at all times. As part of this program, the Permittee shall maintain an inventory of spare parts and replacement equipment, or maintenance contracts shall be established with companies for leasing backup equipment to ensure continued operation of the transfer station.

The results of all inspections shall be recorded in a bound inspection log. These records shall be maintained at the transfer station for a minimum of five years from the date of inspection.

Failure to comply with any or all limitations heretofore mentioned will result in the Department seeking relief under the Solid Waste Management Act N.J.S.A. 13:1E-1 et seq. Specifically, each day of failure to so comply shall constitute a separate violation on the basis of which a penalty shall be assessed and may result in loss of operating authority pursuant to N.J.S.A. 13:1E-12.

The issuance of this Permit and the conditions of operation identified herein shall not be interpreted as relieving the Permittee of their responsibility to secure and maintain all other applicable federal, state and local permits or similar forms of authorization relating to the construction and operation of this facility.

APPENDIX A

RECYCLING CENTER
GENERAL APPROVAL CONDITIONS
FOR RECEIPT, STORAGE, PROCESSING OR TRANSFER
OF CLASS B RECYCLABLE MATERIALS

Under the provision of N.J.S.A. 13:1E-1 et seq. and N.J.S.A. 13:1E-99.11 et seq., known as the Solid Waste Management Act and the New Jersey Statewide Mandatory Source Separation and Recycling Act, respectively, and pursuant to N.J.A.C. 7:26A-1 et seq., known as the Recycling Regulations, this Approval is hereby issued to:

Burlington County Board of Chosen Freeholders

SOLID WASTE FACILITY NUMBER:	0318000167
CAPACITY	200 TPD - WOOD MATERIALS 200 TPD - CONCRETE, ASPHALT & BRICK 100 TPD - TIRES
RECYCLING CENTER NUMBER:	0318001380

This Approval is subject to compliance with all conditions specified herein and all regulations

promulgated by the Department of Environmental Protection or as may be amended in the future. All references to specific regulations include any future amendments thereto.

This Approval shall not prejudice any claim the State may have to riparian land, nor does it allow the Burlington County Board of Chosen Freeholders to fill or alter, in any way, lands that are deemed to be riparian, wetlands, stream encroachment areas or flood plains, or that are within the Coastal Area Facility Review Act (CAFRA) Zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits, or approvals from the Department of Environmental Protection.

Compliance with the terms of this Approval does not relieve the Burlington County Board of Chosen Freeholders of the obligation to comply with all applicable local, state and federal statues, rules and other permits.

Failure to comply with all the conditions specified herein may result in revocation of this Approval and/or may result in other regulatory or legal actions which the Department is authorized to institute by law.

Recycling Center General Approval

for

Burlington County Board of Chosen Freeholders

A. AUTHORIZED RECYCLABLE MATERIALS

1. Permitted Class B Recyclable Materials

The following source separated Class B recyclable materials which have been separated at the point of generation from other waste materials or separated at a permitted solid waste facility authorized to separate recyclable materials may be received, stored, processed or transferred at the Bulky Materials Recycling Area:

Asphalt
Brick
Brush
Concrete
Stumps
Tires
Trees
Tree Parts
Wood (including painted, chemically treated and creosoted)

2. Permitted Class A Recyclable Materials

The following source separated Class A recyclable materials which have been separated at the point of generation from other waste materials or separated at a

permitted solid waste facility authorized to separate recyclable materials may be received, stored, processed or transferred at this facility:

Cardboard
Ferrous and non-ferrous metals
Glass
Paper
Plastic

3. By-Products

Incidental amounts of rebar, metal, soil and other by-products which adhere to the Class B recyclable materials as specified in Condition A.1 and returned to the economic mainstream as raw material or products. Its' receipt shall not be separately accounted for but its storage and end-markets shall be subject to specific conditions of this Approval.

4. Contaminants

The maximum amount of contaminants allowed in each incoming load of Class B recyclable materials for acceptance shall be limited to 1% by volume.

Incidental by-product materials included within the Class B recyclable materials shall not be considered to be contaminants.

B. DESIGN AND CONSTRUCTION

The construction of this facility shall be in accordance with the provisions of N.J.A.C. 7:26A-1 et seq., the New Jersey Uniform Construction Code, the approved documents listed below and this Approval.

1. Approved Documents

a. Bulky Materials Recycling Area:

Permit Renewal Application, dated November 9, 1992 and the addendums filed January 19, 1993, February 1, 1995 and April 27, 1995.

"General Site Plan, Burlington County Resource Recovery Complex" dated September 1992, signed by Richard A. Alaimo, P.E.

C. RECYCLING CENTER OPERATIONAL STANDARDS

The operation of this facility shall be in accordance with the provisions of N.J.A.C. 7:26A-1 et seq., the standards set forth herein and the approved documents specified in Condition B.1. Where any discrepancy exists, the terms of this Approval shall prevail.

1. Residue

Residue generated as a result of processing source separated recyclable materials shall not exceed 1% by volume of the daily amount accepted.

Residue defined as solid waste, shall be transported by a NJDEP registered collector/hauler to the facilities consistent with the Burlington County District Solid Waste Management Plan.

Residue shall be stored separately from recyclable material in containers and in a manner which prevents run-off, leakage or seepage from the residue storage area into, on or around the soil of the residue storage area.

No residue shall be stored on site for a period exceeding six (6) months without prior approval of the NJDEP.

2. Maximum Daily Capacity

The Burlington County Resource Recovery Complex recycling center may receive no more than 500 tons per day of Class B recyclable materials consisting of 200 tons per day of wood materials, 200 tons per day of concrete/asphalt/brick combined and 100 tons per day of tires as specified in the cover page of Appendix A of this Permit.

3. Maximum Weekly Capacity

The Burlington County Resource Recovery Complex recycling center may receive no more than 3,000 tons per week of Class B recyclable materials consisting of 1,200 tons per week of wood materials, 1,200 tons per week of concrete/asphalt/brick and 600 tons per week of tires as specified in the cover page of Appendix A of this Permit.

4. Unprocessed Materials Storage

a. The total amount of unprocessed concrete, asphalt and brick recyclable materials stored on site shall not exceed 5,000 cubic yards.

b. The total amount of unprocessed trees shall not exceed 15,400 cubic yards. The total amount of all other unprocessed wood materials shall not exceed 15,400 cubic yards.

c. The total amount of unprocessed creosoted wood shall not exceed 11,700 cubic yards.

If at any time, the amount of any Class B recyclable material stored on site exceeds the amounts listed above, the Burlington County Resource Recovery Complex recycling center shall immediately cease receiving that Class B recyclable material until the amount of Class B recyclable material falls below the listed amount.

Unprocessed materials shall be stored only in those areas designated for that purpose as indicated on the approved site plan. All unprocessed material shall be

stored separately from residues.

Unprocessed recyclable material shall not remain on site, in its unprocessed form, for more than one (1) year.

5. Processed Materials Storage

   a. The total amount of processed concrete, asphalt and brick stored on site shall not exceed 5,000 cubic yards.

   b. The total amount of processed trees stored on site shall not exceed 32,000 cubic yards. The total amount of all other processed wood materials shall not exceed 32,000 cubic yards.

   c. The total amount of reprocessed creosoted wood stored on site shall not exceed 6,000 cubic yards.

   If at any time, the amount of any processed Class B recyclable material exceeds the amounts listed above, the Burlington County Resource Recovery Complex recycling center shall immediately cease processing activities of that material until the amount of that processed Class B recyclable material falls below the listed amount.

   Processed materials shall be stored only in those areas designated for that purpose as indicated on the approved site plan. All processed materials shall be stored separately from residues.

6. By-Products Storage

   By-products shall be stored in container(s) or area(s) as depicted on the approved site plan and shall be removed off-site to the end markets as referenced in the approved documents.

7. Horizontal and Vertical Controls

   Horizontal and vertical control points for the unprocessed and processed materials storage areas shall be set and maintained on site. Horizontal limitation markers shall be set at the corners of the stockpile areas as depicted on the approved site plan. Vertical limitation markers shall be set at locations in close proximity of the stockpile areas and shall clearly establish heights of 20 feet above the existing grade for the unprocessed wood stockpile and 15 feet above the existing grade for the processed wood and creosoted wood stockpiles.

   A joint site inspection shall be held at the facility between the owner/operator and representatives of the Department for the purpose of establishing the locations of these markers.

8. Commingling

   The Burlington County Resource Recovery Complex recycling center shall not receive, store, process or transfer Class A recyclable materials with Class B

recyclable materials in a commingled manner.

The Burlington County Resource Recovery Complex recycling center may receive, store, process or transfer source separated concrete, asphalt, brick, block, and ceramic tile separately or commingled with each other. The recycling center may receive, store, process or transfer source separated trees, tree parts, brush, stumps, and wood separately or commingled with each other. In addition, the recycling center may not receive, store, process or transfer source separated tires commingled with any other material. Commingling of materials not described above is prohibited.

9. Applicable Regulations

The operation and related activities of this recycling center shall be in conformance with all applicable federal, state, county, municipal and local statutes, rules and ordinance including but not limited to nuisance, noise, fire and safety codes.

10. Safety Procedures

The operation of the recycling center shall be in conformance with the Occupational Safety and Health Act (OSHA) regulations as contained in the General Industry Standards 29 CFR 1910. Construction activities shall be in conformance with the OSHA regulations as contained in the Construction Industry Standards 29 CFR 1926. A copy of the safety procedures shall be posted on site.

In addition, the Permittee shall require in all contracts with private contractors performing work on behalf of the Permittee in construction and operation at the facility that the contractors adhere to all OSHA standards for the safety of its employees and other persons entering the premises.

11. Housekeeping

Routine housekeeping and maintenance procedures shall be implemented throughout the recycling center to prevent the accumulation of litter and debris, and to maintain general cleanliness in the working environment.

12. Entrance Sign

A legible sign shall be posted and maintained at the entrance to the recycling center and indicate the hours of operation of the recycling center as well as the following information:

a. A listing of the approved recyclable materials as specified in Condition A.1 of this Approval.

b. The size, weight or other restrictions regarding materials to be received.

c. A notice that all vehicles delivering materials to the recycling center will be inspected, and if found to contain contaminants greater than 1% by volume, will be rejected.

d. A notice that persons bringing materials to the recycling center shall complete and certify a materials receipt form.

13. Documents On-Site

A copy of the approved documents as referenced in Condition B.1 and a copy of this approval shall be maintained at the facility and shall be made available for inspection by Department personnel or its designated representatives.

14. End-Markets

All end-markets to which recyclable materials are transported from the recycling center shall remain consistent with those end-markets specified in the approved documents. Any modification in the actual end-market for a recyclable material specified in Condition A.1 shall be in conformance with N.J.A.C. 7:26A-3.10(f).

D. RECORDKEEPING AND REPORTING

1. Recordkeeping

In accordance with N.J.A.C. 7:26A-3.17, the Burlington County Board of Chosen Freeholders shall maintain daily records of all materials received, stored, processed or transferred at the site. Said records shall be available at all times for inspection and shall indicate, at a minimum, the following:

a. A daily record of the amounts of each recyclable materials by type and municipality of origin which are received, stored, processed or transferred each day, expressed in tons or in cubic yards. Those operators specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons.

b. The name, address, and telephone number of the end-markets for all recyclable materials transported from the recycling center, including the amount, in tons or cubic yards, transported to each end-market. Those persons specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons. NJDEP reserves the right to verify all end-market information submitted by the Burlington County Board of Chosen Freeholders.

c. The amount of residue disposed of, expressed in tons or cubic yards, including the name and the New Jersey Department of Environmental Protection solid waste registration number of the solid waste collector/hauler contracted to provide the haulage/disposal service. Those persons specifying the amount of residue in cubic yards shall also indicate the conversion ratio of residue from cubic yards to tons.

d. The name and location of the generator; the volume of contaminated soil received; the area(s) on the generator's property from where the soil was excavated; the source of the contamination; the substance(s) that comprise

the contamination; all tests and sampling conducted on the soil, including those not specifically required by the Air Pollution Control Permit to Construct and Certificate to Operate as referenced in Condition C.15.a of this Approval and any other pertinent information.

The Burlington County Board of Chosen Freeholders shall retain the information for three (3) calendar years following the calendar year for which reporting is required.

2. Reporting

a. Annual Report

In accordance with N.J.A.C. 7:26A-3.16, The Burlington County Board of Chosen Freeholders shall submit an annual report containing monthly summary statements of the information required pursuant to Condition D.1 above to the New Jersey Department of Environmental Protection on or Before February 1 of each year, for the previous calendar year. The summaries shall include monthly totals of the amount of recyclable material received from each customer by the municipality of origin. Furthermore, the summaries shall include monthly totals of the amount of recyclable product transferred to each end-market. The summaries shall also include the amount of residue disposed of during each month. An annual fee will be paid to the Department on May 1, in accordance with N.J.A.C. 7:26-2.1(b)1;

b. Residue Disposal

The Burlington County Board of Chosen Freeholders shall certify in writing to the Department that all residue generated at the recycling center has been disposed of in accordance with the solid waste management rules at N.J.A.C.7:26. The certification shall be submitted annually as part of the annual report;

c. Tonnage Report

The Burlington County Board of Chosen Freeholders shall provide a recycling tonnage report by February 1 of each year to all municipalities from which recyclable material was received in the previous calendar year. The report shall detail the amount of each source separated recyclable material, expressed in tons or cubic yards, brought to the recycling center. Those persons specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons.

One original and one copy of the annual report and tonnage report shall be submitted to:

New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
Bureau of Recycling and Planning

PO Box 414
Trenton, New Jersey 08625-0414

Failure to comply with any or all conditions of this Approval will result in the NJDEP seeking relief under the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq. Specifically, each day of failure to so comply shall constitute a separate violation on the basis of which a penalty shall be assessed pursuant to N.J.S.A. 13:1E-9 and may subject the Burlington County Resource Recovery Complex recycling center to regulation as a solid waste facility pursuant to N.J.S.A. 13:1E-1 et seq. and N.J.A.C. 7:26-1 et seq.

The issuance of this Approval and the conditions of operation identified herein shall not be interpreted as relieving the applicant of his responsibility to secure and maintain all other applicable federal, State and local permits or similar forms of authorization relating to the construction and operation of this facility.

MS/ms
File: BCRRC52.DOC

APPENDIX 5B

BURLINGTON COUNTY LANDFILL ANALYTICAL REQUIREMENTS

Burlington County Landfill Analysis List

Analysis	EPA Method	Sampling Frequency
TCLP VOC	8260B	5 point composite per 1000 cubic yards
TCLP SVOC	8270B	
TCLP Pesticide	8281	
TCLP Herbicide	8151A	
TCLP Metals	6010	
PCBs	8081	
Ignitability	1010A or 1020B	
Reactivity	9012B and 9034	
pH (corrosivity)	9040C or 1110A	

TCLP- Toxicity Characteristics Leaching Procedure

APPENDIX 5C

BURLINGTON COUNTY LANDFILL ACCEPTANCE LIMITS

Material Acceptance Limits: Burlington County Landfill

Contaminant	EPA Waste #	Level (mg/L)
Arsenic	D004	5
Barium	D005	100
Cadmium	D006	1
Chromium	D007	5
Chromium CR + 6	D007	5
Lead	D008	5
Mercury	D009	0.2
Selenium	D009	1
Silver	D011	5
Benzene	D018	0.5
Carbon Tetrachloride	D019	0.5
Chlordane	D020	0.03
Chlorobenzene	D021	100
Chloroform	D022	6
o-Cresol	D023	200
m-Cresol	D023	200.00**
p-Cresol	D025	200.00**
Cresol	D026	200.00**
2,4 D	D016	10
1,4 Dichlorobenzene	D027	7.5
1,2 Dichlorobenzene	D028	0.5
1,1 Dichlorobenzene	D029	0.7
2,4 Dichlorobenzene	D030	0.13*
Endrin	D012	0.02
Heptachlor (and its epoxide)	D031	0.008
Hexachlorobenzene	D034	3
Hexachlorobutadiene	D033	0.5
Hexachloroethane	D034	3
Lindane	D013	0.4
Methoxychlor	D014	10
Methyl Ethyl Ketone	D035	200
Nitrobenzene	D036	2
Pentachlorophenol	D037	100
Pyridine	D038	5.0 *
Tetrachloroethylene	D039	0.7
Toxaphene	D015	0.5
Trichloroethylene	D040	0.5
2,4,5-Trichlorophenol	D041	400
2,4,6-Trichlorophenol	D042	2
2,4,5-TP (Silvex)	D017	1
Vinyl chloride	D043	0.2
Igntability	D001	Flashpoint > 140°F
Reactivity	D003	Non reactive

pH (corosivity)	D002	$\leq$ 2.0 or $\leq$ 12.5

* Quantitation limit is greater than the calculated regulatory level.
The quantitation limit therefore becomes the regulatory level.
** If o-,m- and p-Cresol concentrations cannot be differentiated,
the total Cresol (D026) concentration is used. The regulatory level of total
Cresol is 200mg/L.
mg/L- milligrams per liter

APPENDIX 6

HAZLETON CREEK PROPERTIES, LLC

APPENDIX 6A

HAZLETON CREEK PROPERTIES, LLC PERMIT

Pennsylvania Department of Environmental Protection

2 Public Square
Wilkes-Barre, PA 18711-0790
July 31, 2006

Northeast Regional Office

570-826-2511
Fax 570-826-5448

CERTIFIED MAIL NO. 7005 0390 0001 3227 4656

Mr. William Rinaldi
Hazleton Creek Properties, LLC
580 Third Street
P.O. Box 1389
Kingston, PA 18704

Re: Hazleton Creek Properties, LLC
Regulated Fill General Permit
Determination of Applicability
City of Hazleton, Luzerne County
General Permit ID # WMGR096NE001

Dear Mr. Rinaldi:

The Department has determined that Hazleton Creek Properties, LLC (HCP) may beneficially use "regulated fill" as "construction material" under the enclosed General Permit ID # WMGR096NE001. The Determination of Applicability is being issued based on the application submitted June 9, 2006 (supplemented July 12, 2006).

This beneficial use approval covers the projects listed in the DOA submittals as "construction of the required on-site rail infrastructure, on-site access roads, utility installation/relocation and subbase for future parking areas which will also act as the required cap on the areas requiring remediation under the Act 2 CO&A signed by HCP, HRA and DEP on December 6, 2005" and within the areas defined on the July 12, 2006 Drawing C-2 "Regulated Fill DOA Site Plan"

There are a number of commitments that must be met for each of the approved construction projects:

1. Regulated Fill Requirements: "Regulated fill" is defined in the General Permit to include soil, rock, stone, dredged material, used asphalt, plus brick, block & concrete from construction/demolition activities from identified sources that meet requirements set forth in the General Permit and the PADEP Guidance Document ID# 258-2182-773 "Management of Fill" Policy:

   a. Fort Mifflin Dredge Material: HCP has committed to providing the required sampling and analysis information for the Fort Mifflin "dredge materials" in order to demonstrate that the Fort Mifflin material meets all General Permit requirements. The required sampling and analytical information must be submitted and approved by the regional office before the Fort Mifflin Dredge material can be brought to the site.

b. Other New Sources: HCP has committed to providing Form 20RF Section E documentation including the offsite source location, offsite source contact information, description and background of the proposed regulated fill source location, the physical and chemical description of the regulated fill material, the sampling methodology & summary, the laboratory analytical results, and certification by HCP or its representative that the material meets the application regulated fill concentration limits. In addition the requirements of the General Permit Conditions Nos. 2, 3, 4, 6, 7, 9, 20, and 28 must also be submitted for new sources of regulated fill. HCP has also committed to submitting any "Best Management Practices" (BMP) for any construction/demolition waste source for regulated fill with the "new source" submittal.

c. Sampling & Analysis Plan: HCP has committed to submitting a sampling and analysis protocol & "due diligence" material characterization plan for regulated fill. The Department will review this submittal as part of the above listed submittals for the Fort Mifflin dredge source or other new source submittal.

2. HCP Construction Commitments: HCP has made several additional commitments prior to the use of the regulated fill as construction material:

a. Survey Drawing Submittal: Prior to receipt of regulated fill materials for each construction activity/project, HCP shall survey the area of construction and submit a survey plan depicting the placement area of regulated fill in relation to the identified construction activity/structures (including roads, parking lot areas, rail infrastructure, utility relocation), and in relation to the Drawing C-2 "Regulated Fill DOA Site Plan" regulated fill placement boundaries. For the landfill capping activity, HCP shall also notify the PADEP Environmental Cleanup Program in writing of the completion of the survey, provide a survey plot/drawing showing the placement areas in relation to the landfill boundaries, and request a site visit to verify the accuracy of the area to be capped. The submittals shall include documentation showing that the drawings and type of fill used have been incorporated into the property deed (General Permit Condition No. 10). Proof of contact and concurrence from the PADEP Environmental Cleanup Program involving landfill capping boundaries and material type will be provided.

b. Placement Area Boundary Marking: Prior to receipt of regulated fill materials, HCP shall survey and stake/flag the boundaries of the regulated fill placement areas.

c. Site Stormwater Control/Erosion & Sedimentation Control Plan: Prior to receipt of regulated fill onsite, HCP has committed to obtaining approval for a site Stormwater Control/Erosion & Sedimentation Control Plan that addresses any and all regulated fill placement or management areas. A copy of any Stormwater Control/E&S Control Plan permit or authorization should be forwarded to this office with the survey drawing.

d. Compliance History: HCP has committed to providing the compliance history of any new operating contractor for Department approval prior to said contractors operating on areas governed by the separate General Permit ID # WMGR085.

This approval requires HCP to comply with the attached permit conditions contained in Permit WMGR096. HCP should note that related obligations include the requirements set forth in the Special Industrial Area (SIA) Consent Order & Agreement (including Conditions R & Y) in regard to the landfill capping activities onsite. In addition, the permitted activities may not conflict with your separate General Permit ID# WMGR085D001 obligations in terms of management of dredge, coal ash, cement kiln dust, and lime kiln dust within areas covered by that General Permit.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa. C.S., Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in Braille or on audiotape from the Secretary to the Board at 717-787-3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.

If you have any questions regarding this permit, please contact me at the above address or telephone number.

Sincerely,

William Tomayko

William Tomayko
Program Manager
Waste Management Program

Enclosures: General Permit
Management of Fill Policy

cc: City of Hazleton
Luzerne County
Evergreen Environmental, Inc.

2540-FM-BWM0421 7/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

General Permit
For
Processing/Beneficial Use of Residual Waste

Permit No. WMGR096NE001 **Date Amended** _____

Date Issued July 31, 2006 **Date Expires** April 13, 2009

The Department of Environmental Protection, Bureau of Waste Management, Division of Municipal and Residual Waste hereby approves the:

☒ Beneficial Use ☐ Processing prior to Beneficial Use ☐ Other

of: regulated fill as defined in Guidance Document 258-2182-773 (Management of Fill)

for use as: construction material

This approval is granted to [illegible] Kingston, PA 18704-[illegible] depicted on Drawing C-2 [illegible] needed for [illegible] projects.

subject to [illegible] and may be revoked [illegible] any project which the D[illegible]mental Protection det[illegible] to pose a substantial risk to public health, the environment, or cannot be [illegible]y regulated under the provisions of this permit.

The processing of wastes not specifically identified in the documentation submitted for this approval, or the beneficial use of wastes not approved in this permit, is prohibited without the written permission of the Department.

This permit is issued under the authority of the Solid Waste Management Act (35 P.S. §§6018.101-6018.1003), The Pennsylvania Used Oil Recycling Act (58 P.S. §§471-480), The Clean Streams Law (35 P.S. §§691.1-691.1001), Sections 1905-A, 1917-A and 1920-A of the Administrative Code of 1929 (71 P.S. §§510-5, 510-17 and 510-20) and the Municipal Waste Planning, Recycling and Waste Reduction Act (53 P.S. §§4000.101-4000.1904).

This approval is granted: By: William Tomayko

☐ Statewide ☒ Regional Title: Waste Program Manager

THIS PERMIT IS NON-TRANSFERABLE

GENERAL PERMIT
WMGR096

1. *Permitted Activities.* The approval herein granted is limited to the beneficial use of regulated fill when moved offsite or received onsite. Regulated fill may only be moved to a property that is approved for construction and that is zoned and used exclusively for commercial and industrial uses or that is unzoned but is exclusively used for commercial and industrial uses (excluding parks, playgrounds, nursing homes, child care facilities, schools or other residential-style facilities or recreation areas). This permit does not authorize blending or processing of material to meet concentration limits in Table GP-1.

2. *Definitions.* The following terms, when used in this permit, have the following meanings:

   "Regulated fill" is soil, rock, stone, dredged material, used asphalt, historic fill, and brick, block or concrete from construction and demolition activities that is separate from other waste and recognizable as such that has been affected by a spill or release of a regulated substance and the concentrations of regulated substances exceed the values in Table FP-1 of the Department's fill policy.

   "Historic fill" is material (excluding landfills, waste piles and impoundments) used to bring an area to grade prior to 1988 that is a conglomeration of soil and residuals, such as ashes from the residential burning of wood and coal, incinerator ash, coal ash, slag, dredged material and construction and demolition waste. The term does not include iron or steel slag that is separate from residuals if it meets the coproduct definition and the requirements of 25 Pa. Code § 287.8. The term does not include coal ash that is separate from residuals if it is beneficially used in accordance with 25 Pa. Code § 287.661- 287.666.

3. *Concentration limits.* Regulated fill may not exceed the values in Table GP-1.

4. *Hazardous waste prohibited.* Material that is hazardous waste under Chapter 261a (relating to identification and listing of hazardous waste) may not be used under this permit.

5. *Proper management of fill.* Regulated fill may not be placed on a greenfield property not planned for development, or on a property currently used for or planned for residential use. Material containing concentrations of regulated substances that exceed the values in Table GP-1 may not be moved under the provisions of this general permit, but must be managed in accordance with the provisions of the Department's municipal or residual waste regulations.

6. *Proper management of dredged materials.* In addition to meeting the values in Table GP-1, regulated fill consisting of dredged material from tidal streams shall meet 250 mg/l for chlorides based on an SPLP analysis.

7. *Proper management of fill materials containing metals.* Regulated fill containing metals may be moved to a site if those metals concentrations meet either the concentration limits for metals in Table GP-1 or the background concentration, whichever is higher. Fill that exceeds the concentration limits must be placed as part of an approved construction project in such a manner that all direct contact exposure pathways are eliminated. The background concentration is defined as the concentration of a substance that is present at the site before beneficial use activities occur under this permit. Background concentrations may be determined by taking a representative number of samples, based on the size of the site, from each of the receiving site and the fill proposed for beneficial use. The average concentration in the receiving site samples becomes the background concentration.

8. *Notice to municipalities.* A person that registers for coverage under this general permit shall submit a copy of the registration to each municipality in which the beneficial use activities will be located a minimum of 30 days prior to initiating operations.

9. *Sampling and analysis.* Prior to the beneficial use, the permittee shall perform chemical analysis on representative samples of regulated fill for the appropriate parameters in accordance with the protocol in Appendix A to the Fill Policy. The chemical analyses required in this condition shall be performed by a laboratory accredited or registered for accreditation under the Pennsylvania Environmental Laboratory Accreditation Act of 2002.

10. *Deed Acknowledgment for beneficial use of regulated fill.* The permittee shall provide to the Department proof of a recorded deed notice that includes the exact location of the fill placed on the property, including latitude and longitude descriptions, and a description of the types of fill identified by sampling and analysis. The location and description shall be made a part of the deed for all future conveyances or transfers of the subject property.

11. *Siting limitations.* Regulated fill shall not be beneficially used under this permit unless authorized in writing by the Department:

    a. in the 100-year floodplain;

    b. within 100 feet of a sinkhole or area draining into a sinkhole;

    c. within 50 feet of a dwelling unless the owner has provided a written waiver consenting to the beneficial use being closer than 50 feet;

    d. within 100 feet of a perennial stream;

    e. within 300 feet of a water source unless the owner has provided a written waiver consenting to the beneficial use being closer than 300 feet;

    f. within 300 feet of an exceptional value wetland, an exceptional value water or a high quality water.

    g. The siting limitations in paragraph 11(a) are not applicable to the placement of regulated fill at a brownfield site provided the placement is in accordance with all other applicable requirements.

12. *Water quality.* Regulated fill shall not be placed in the waters of the Commonwealth.

13. *Nuisances.* Regulated fill shall not contain any free liquids based on visual inspection, and shall not create public nuisances (for example objectionable odors).

14. *Construction material.* The construction activity associated with placement of regulated fill under this permit shall be conducted promptly. At a minimum, construction activity should begin within one year from the date the regulated fill is placed for beneficial use. Upon completion of areas where regulated fill is beneficially used, the areas shall be promptly vegetated or otherwise stabilized to minimize and control erosion if the construction activity is not undertaken within 30 days of fill placement.

15. *Mixing prohibited.* The regulated fill may not be mixed with other types of solid waste unless otherwise approved by the Department.

16. *Storage and transportation.* The storage and transportation of regulated fill shall be in a manner that does not create a nuisance or be harmful to the public health, safety or the environment. Storage and transportation shall comply with the requirements of 25 Pa. Code Chapters 285 or 299 (relating to storage, collection and transportation of municipal waste and residual waste), whichever is applicable to the waste type being stored or transported.

17. *Discharge of waste prohibited.* This permit does not authorize and shall not be construed as an approval to discharge any other waste, wastewater or runoff from the site where regulated fill originated or the site where regulated fill is beneficially used, to the land or waters of the Commonwealth.

18. *Fugitive emissions.* The permittee shall comply with any applicable fugitive emissions standards adopted under 25 Pa. Code §123.1 and 123.2.

19. *Erosion and sedimentation control.* An erosion and sedimentation control plan shall be implemented that is consistent with the applicable requirements of Chapter 102 (relating to erosion and sedimentation control).

20. *Recordkeeping.* Records of analytical evaluations conducted on the regulated fill under this permit shall be kept by the permittee at the permittee's place of business and shall be available to the Department for inspection. This waste analysis information shall be retained by the permittee for a minimum of 5 years.

21. *Relationship to local law.* Nothing in this permit shall be construed to supersede, amend, or authorize a violation of any of the provisions of any valid and applicable local law, ordinance, or regulation, providing that said local law, ordinance, or regulation is not preempted by the Solid Waste Management Act, 35 PS §6018.101 et seq.; and the Municipal Waste Planning, Recycling and Waste Reduction Act of 1988, 53 P.S. §4000.101 et seq.

22. *Inspections.* As a condition of this permit and of the permittee's authority to conduct the activities authorized by this permit, the person receiving the fill hereby authorizes and consents to allow authorized employees or agents of the Department, without advance notice or search warrant, upon presentation of appropriate credentials and without delay, to have access to and to inspect all areas on which solid waste management activities are being, will be, or have been conducted. This authorization and consent shall include consent to collect samples of waste, soils, water, or gases; to take photographs; to perform measurements, surveys, and other tests; to inspect any monitoring equipment; to inspect the methods of operation; and to inspect and/or copy documents, books, and papers required by the Department to be maintained. This permit condition is referenced in accordance with Sections 608 and 610(7) of The Solid Waste Management Act, 35 P.S. § 6018.608 and 6018.610(7). This condition in no way limits any other powers granted under the Solid Waste Management Act.

23. *Prevention of harm or threat of harm.* The activities authorized by this permit shall not harm or present a threat of harm to the health, safety, or welfare of the people or environment of this Commonwealth. The Department may modify, suspend, revoke, or reissue the authorization granted in

this permit if it deems necessary to prevent harm or the threat of harm to the public health, the environment, or if the activities cannot be adequately regulated under the conditions of this permit.

24. *Individual permits.* The permittee shall comply with the terms and conditions of this general permit and with the environmental protection acts to the same extent as if the activities were covered by an individual permit. The Department may require the permittee to apply for, and obtain, an individual permit or cease operation if the permittee is not in compliance with the conditions of this general permit or is conducting an activity that harms or presents a threat of harm to the health, safety or welfare of the people or the environment.

25. *Incorporation of application.* All activities conducted under the authorization granted in this permit shall be conducted in accordance with the permittee's application. Except to the extent that the permit states otherwise, the permittee shall use the regulated fill as described in the approved application.

26. *Permit application requirements.* Persons or municipalities that propose to beneficially use regulated fill by operating under the terms and conditions of this general permit after the date of permit issuance shall register for each location of beneficial use. The request shall be sent to the Department's appropriate regional office that has jurisdiction for waste-related activities in the county where the regulated fill will be beneficially used. At a minimum, the following registration information shall be submitted on application forms provided by the Department:

a. Name and street address of the applicant;

b. Names and locations of the regulated fill generating sites;

c. Name, location, area and ownership of the location of beneficial use;

d. Documentation that the regulated fill meets the conditions of this general permit;

e. Number and title of the general permit;

f. Proof that the beneficial use management activities are consistent with the general permit, including a description of the construction activity to be conducted within the use of the regulated fill.

g. If the size of the receiving site, where the beneficial use takes place, is greater than or equal to one acre, proof that a Pennsylvania Natural Diversity Inventory (PNDI) review at the site has been completed. This review should be in accordance with the Department's policy #400-0200-001, "Policy for Pennsylvania Natural Diversity Inventory Coordination During Permit Review and Evaluation" (Jan. 18, 2003) and all known occurrences must be resolved with the jurisdictional agency. If a PNDI review has been completed at the receiving site under another Department program, the report of that review and approval may be submitted to the Department to satisfy this permit application requirement.

h. Signed and notarized statement by the person who seeks "Registration" to accept all conditions and operate under the terms and conditions of this general permit;

i. Proof that copies of the "Registration" have been submitted to each municipality, county, county planning agency and county health department where the beneficial use is located;

j. Proof that the applicant has legal right to enter the land where the beneficial use will occur and perform the activities approved in Condition 1 of this permit and an irrevocable written consent from the landowner giving the Department permission to enter upon land where the applicant will be conducting waste management activities;

k. Information that identifies the applicant (i.e. individual, corporation, partnership, government agency, association, etc.) and related parties, including the names and addresses of every officer who has a financial interest in or controls the facility operation;

l. Evidence must be provided by persons operating under this general permit of noncompliance with state and federal environmental laws and regulations

m. Independent contractors retained by the applicant to perform any activities authorized under this permit must comply with state and federal laws and regulations relating to environmental protection and transportation safety.

n. A $250.00 registration fee, as specified in the residual waste management regulations, payable to the "Commonwealth of Pennsylvania."

27. *Commencement of activities.* For persons or municipalities that propose to beneficially use regulated fill on nonresidential brownfields, the activities may commence after 15 working days from the date the Registration application is submitted to the Department, unless otherwise instructed by the Department. A "brownfield" is defined as real property where regulated substances have been released and remain present. For persons or municipalities that propose to beneficially use regulated fill for one of the following, the activities may commence after 60 working days from the date the Registration application is submitted to the Department, unless otherwise instructed by the Department:

a. on nonresidential greenfields;

b. on properties where the area subject to regulated fill placement is larger than 10 acres; or

c. on properties where waiver or modification of a siting limitation in Condition 11 has been requested.

A "greenfield" is defined as real property that is not a brownfield.

28. *New sources of fill.* If new sources of regulated fill are to be included at the approved beneficial use location, the permittee shall notify the Department in writing by submitting information in accordance with subparts a - f of Condition 25 above. A permittee may commence with beneficial use of the new source after 10 working days from the date the information is submitted to the Department, unless otherwise instructed by the Department.

29. *Notification of changes in operator.* Any person who is operating under the provisions of this permit shall immediately notify, in writing, the waste program Operations Manager of the appropriate regional office of the Department (address in attached list) within 30 days via certified mail of any changes in: the company name, address, owners, operators, and/or responsible officials of the

company; the generator(s) of the regulated fill; the compliance status (e.g., violations) of any permit issued by the Department or federal government under the environmental protection acts

30. *Determination that material is no longer waste.* Regulated fill that meets all the terms and conditions of this permit and that does not exceed concentration limits in Table GP-1 shall cease to be waste once the regulated fill is placed. If dewasted regulated fill is subsequently excavated or moved beyond the area permitted for fill placement, it will then be subject to applicable requirements for the use of regulated fill.

31. *Revocation or suspension.* Failure of the measures herein approved to be performed as intended, or as designed, or in compliance with the applicable laws, rules and regulations, and terms and conditions of this permit, for any reason, shall be grounds for the revocation or suspension of the permittee's approval to operate under this permit.

APPENDIX 6B

HAZLETON CREEK PROPERTIES, LLC ANALYTICAL REQUIREMENTS

Hazelton Creek Properties, LLC Analysis List

Less than 1,000 cubic yards

Analysis	EPA Method	Sampling Frequency
Volatile Organic Compounds	8260B	3 grab samples per 3000 cubic yards
Semi-Volatile Organic Compounds	8270B	3, 4-point composite samples per 3000 cubic yards
Pesticides	8281	
Herbicides	8151A	
Metals	6010	
PCBs	8081	
Ignitability	1010A or 1020B	
Reactivity	9012B and 9034	
pH (corrosivity)	9040C or 1110A	

TCLP- Toxicity Characteristics Leaching Procedure

APPENDIX 6C

HAZLETON CREEK PROPERTIES, LLC ACCEPTANCE LIMITS

Table GP-1a

Regulated Fill Concentration Limits for Organics

PARAMETER	CASRN	Regulated Fill Total analysis mg/kg
ACENAPHTHENE	83-32-9	4700
ACENAPHTHYLENE	208-96-8	6900
ACEPHATE	30560-19-1	3.5
ACETALDEHYDE	75-07-0	0.63
ACETONE	67-64-1	110
ACETONITRILE	75-05-8	3.9
ACETOPHENONE	98-86-2	340
ACETYLAMINOFLUORENE, 2- (2AAF)	53-96-3	0.28
ACROLEIN	10-702-8	0.0014
ACRYLAMIDE	79-06-1	0.0024
ACRYLIC ACID	79-10-7	0.11
ACRYLONITRILE	107-13-1	0.037
ALACHLOR	15972-60-8	0.077
ALDICARB	116-06-3	0.12
ALDRIN	309-00-2	0.44
ALLYL ALCOHOL	107-18-6	1.2
AMINOBIPHENYL, 4-	92-67-1	0.0048
AMITROLE	61-82-5	0.12
AMMONIA	7664-41-7	360
AMMONIUM SULFAMATE	7773-06-0	24
ANILINE	62-53-3	0.34
ANTHRACENE	120-12-7	350
ATRAZINE	1912-24-9	0.13
BAYGON (PROPOXUR)	114-26-1	0.057
BENOMYL	17804-35-2	970
BENTAZON	25057-89-0	45
BENZENE	71-43-2	0.13
BENZIDINE	92-87-5	0.34
BENZO(A)ANTHRACENE	56-55-3	110
BENZO[A]PYRENE	50-32-8	11
BENZO[B]FLUORANTHENE	205-99-2	110
BENZO[GHI]PERYLENE	191-24-2	180
BENZO[K]FLUORANTHENE	207-08-9	610
BENZOIC ACID	65-85-0	7000
BENZOTRICHLORIDE	98-07-7	0.048
BENZYL ALCOHOL	100-51-6	1100
BENZYL CHLORIDE	100-44-7	0.22
BHC, ALPHA	319-84-6	0.19
BHC, BETA-	319-85-7	0.82
BHC, DELTA-	319-86-8	30
BHC, GAMMA (LINDANE)	58-89-9	0.072
BIPHENYL, 1,1-	92-52-4	2200
BIS(2-CHLOROETHYL)ETHER	111-44-4	0.017
BIS(2-CHLORO-ISOPROPYL)ETHER	108-60-1	8
BIS(CHLOROMETHYL)ETHER	542-88-1	0.000044
BIS[2-ETHYLHEXYL] PHTHALATE	117-81-7	130
BISPHENOL A	80-05-7	2000
BROMACIL	314-40-9	2
BROMOCHLOROMETHANE	74-97-5	1.6
BROMODICHLOROMETHANE	75-27-4	3.4
BROMOMETHANE	74-83-9	0.54
BROMOXYNIL	1689-84-5	170
BROMOXYNIL OCTANOATE	1689-99-2	360
BUTADIENE, 1,3-	106-99-0	0.027
BUTYL ALCOHOL, N-	71-36-3	24
BUTYLATE	2008-41-5	51
BUTYLBENZENE, N-	104-51-8	2600
BUTYLBENZENE, SEC-	135-98-8	980
BUTYLBENZENE, TERT-	98-06-6	740
BUTYLBENZYL PHTHALATE	85-68-7	10000

Table GP-1a
Regulated Fill Concentration Limits for Organics

PARAMETER	CASRN	Regulated Fill Total analysis mg/kg
CAPTAN	133-06-2	31
CARBARYL	63-25-2	41
CARBAZOLE	86-74-8	83
CARBOFURAN	1563-66-2	0.87
CARBON DISULFIDE	75-15-0	350
CARBON TETRACHLORIDE	56-23-5	0.26
CARBOXIN	5234-68-4	53
CHLORAMBEN	133-90-4	1.6
CHLORDANE	57-74-9	49
CHLORO-1,1-DIFLUOROETHANE, 1-	75-68-3	4800
CHLORO-1-PROPENE, 3- (ALLYL CHLORIDE)	107-05-1	0.13
CHLOROACETOPHENONE, 2-	532-27-4	0.026
CHLOROANILINE, P-	106-47-8	52
CHLOROBENZENE	108-90-7	6.1
CHLOROBENZILATE	510-15-6	6.3
CHLOROBUTANE, 1-	109-69-3	6400
CHLORODIBROMOMETHANE	124-48-1	3.2
CHLORODIFLUOROMETHANE	75-45-6	2.6
CHLOROETHANE	75-00-3	19
CHLOROFORM	67-66-3	2.5
CHLORONAPHTHALENE, 2-	91-58-7	18000
CHLORONITROBENZENE, P-	100-00-5	18
CHLOROPHENOL, 2-	95-57-8	4.4
CHLOROPRENE	126-99-8	0.97
CHLOROPROPANE, 2-	75-29-6	44
CHLOROTHALONIL	1897-45-6	61
CHLOROTOLUENE, O-	95-49-8	20
CHLORPYRIFOS	2921-88-2	23
CHLORSULFURON	64902-72-3	71
CHLORTHAL-DIMETHYL (DACTHAL) (DCPA)	1861-32-1	690
CHRYSENE	218-01-9	230
CRESOL(S)	1319-77-3	8.9
CRESOL, O- (METHYLPHENOL, 2-)	95-48-7	180
CRESOL, M (METHYLPHENOL, 3-)	108-39-4	100
CRESOL, P (METHYLPHENOL, 4-)	106-44-5	12
CRESOL, P-CHLORO-M-	59-50-7	110
CROTONALDEHYDE	4170-30-3	0.0043
CROTONALDEHYDE, TRANS-	123-73-9	0.0043
CUMENE	98-82-8	1600
CYCLOHEXANONE	108-94-1	2800
CYFLUTHRIN	68359-37-5	33
CYROMAZINE	66215-27-8	240
DDD, 4,4'-	72-54-8	30
DDE, 4,4'-	72-55-9	170
DDT, 4,4'-	50-29-3	230
DI(2-ETHYLHEXYL)ADIPATE	103-23-1	10000
DIALLATE	2303-16-4	0.59
DIAMINOTOLUENE, 2,4-	95-80-7	0.016
DIAZINON	333-41-5	0.082
DIBENZO(A,H)ANTHRACENE	53-70-3	11
DIBROMO-3-CHLOROPROPANE, 1,2-	96-12-8	0.0092
DIBROMOBENZENE, 1,4-	106-37-6	410
DIBROMOETHANE, 1,2- (ETHYLENE DIBROMIDE)	106-93-4	0.0012
DIBROMOMETHANE	74-95-3	7.7
DIBUTYL PHTHALATE, N-	84-74-2	4100
DICHLORO-2-BUTENE, 1,4-	764-41-0	0.0039
DICHLOROBENZENE, 1,2-	95-50-1	59
DICHLOROBENZENE, 1,3-	541-73-1	61
DICHLOROBENZENE, P-	106-46-7	10
DICHLOROBENZIDINE, 3,3'-	91-94-1	32

Table GP-1a

Regulated Fill Concentration Limits for Organics

PARAMETER	CASRN	Regulated Fill Total analysis mg/kg
DICHLORODIFLUOROMETHANE (FREON 12)	75-71-8	100
DICHLOROETHANE, 1,1-	75-34-3	2.7
DICHLOROETHANE, 1,2-	107-06-2	0.1
DICHLOROETHYLENE, 1,1-	75-35-4	0.19
DICHLOROETHYLENE, CIS-1,2-	156-59-2	1.6
DICHLOROETHYLENE, TRANS-1,2-	156-60-5	2.3
DICHLOROMETHANE (METHYLENE CHLORIDE)	75-09-2	0.076
DICHLOROPHENOL, 2,4-	120-83-2	1
DICHLOROPHENOXYACETIC ACID, 2,4- (2,4-D)	94-75-7	1.8
DICHLOROPROPANE, 1,2-	78-87-5	0.11
DICHLOROPROPENE, 1,3-	542-75-6	0.46
DICHLOROPROPIONIC ACID (DALAPON), 2,2-	75-99-0	5.3
DICHLORVOS	62-73-7	0.052
DICYCLOPENTADIENE	77-73-6	0.26
DIELDRIN	60-57-1	0.44
DIETHYL PHTHALATE	84-66-2	160
DIFLUBENZURON	35367-38-5	52
DIMETHOATE	60-51-5	0.77
DIMETHOXYBENZIDINE, 3,3-	119-90-4	64
DIMETHYLAMINOAZOBENZENE, P-	60-11-7	0.15
DIMETHYLANILINE, N,N-	000121-69-7	11
DIMETHYLBENZIDINE, 3,3-	000119-93-7	1.5
DIMETHYLPHENOL, 2,4-	105-67-9	87
DINITROBENZENE, 1,3-	99-65-0	0.049
DINITROPHENOL, 2,4-	51-28-5	0.46
DINITROTOLUENE, 2,4-	121-14-2	0.2
DINITROTOLUENE, 2,6- (2,6-DNT)	606-20-2	3
DINOSEB	88-85-7	0.29
DIOXANE, 1,4-	123-91-1	0.31
DIPHENAMID	957-51-7	12
DIPHENYLAMINE	122-39-4	12
DIPHENYLHYDRAZINE, 1,2-	122-66-7	0.58
DIQUAT	85-00-7	0.24
DISULFOTON	298-04-4	0.078
DIURON	330-54-1	0.86
ENDOSULFAN	115-29-7	61
ENDOSULFAN I (ALPHA)	959-98-8	260
ENDOSULFAN II (BETA)	33213-65-9	200
ENDOSULFAN SULFATE	1031-07-8	70
ENDOTHALL	145-73-3	4.1
ENDRIN	72-20-8	5.6
EPICHLOROHYDRIN	106-89-8	0.12
ETHEPHON	16672-87-0	5.9
ETHION	563-12-2	110
ETHOXYETHANOL, 2- (EGEE)	110-80-5	17
ETHYL ACETATE	141-78-6	470
ETHYL ACRYLATE	140-88-5	0.5
ETHYL BENZENE	100-41-4	46
ETHYL DIPROPYLTHIOCARBAMATE, S- (EPTC)	759-94-4	180
ETHYL ETHER	60-29-7	120
ETHYL METHACRYLATE	97-63-2	30
ETHYLENE GLYCOL	107-21-1	170
ETHYLENE THIOUREA (ETU)	96-45-7	0.034
ETHYL-P-NITROPHENYL PHENYLPHOSPHOROTHIOATE	2104-64-5	0.31
FENAMIPHOS	22224-92-6	0.17
FENVALERATE (PYDRIN)	51630-58-1	94
FLUOMETURON	2164-17-2	2.5
FLUORANTHENE	206-44-0	3200
FLUORENE	86-73-7	3800
FLUOROTRICHLOROMETHANE (FREON 11)	75-69-4	87

Table GP-1a
Regulated Fill Concentration Limits for Organics

PARAMETER	CASRN	Regulated Fill Total analysis mg/kg
FONOFOS	944-22-9	2.9
FORMALDEHYDE	50-00-0	12
FORMIC ACID	64-18-6	460
FOSETYL-AL	39148-24-8	27000
FURAN	110-00-9	0.87
FURFURAL	98-01-1	3.7
GLYPHOSATE	1071-83-6	820
HEPTACHLOR	76-44-8	0.68
HEPTACHLOR EPOXIDE	1024-57-3	1.1
HEXACHLOROBENZENE	118-74-1	0.96
HEXACHLOROBUTADIENE	87-68-3	1.2
HEXACHLOROCYCLOPENTADIENE	77-47-4	91
HEXACHLOROETHANE	67-72-1	0.56
HEXANE	110-54-3	1100
HEXYTHIAZOX (SAVEY)	78587-05-0	820
HYDRAZINE/HYDRAZINE SULFATE	302-01-2	0.00042
HYDROQUINONE	123-31-9	55
INDENO(1,2,3-CD)PYRENE	193-39-5	110
IPRODIONE	36734-19-7	1200
ISOBUTYL ALCOHOL	78-83-1	150
ISOPHORONE	78-59-1	1.9
KEPONE	143-50-0	2.2
MALATHION	121-75-5	34
MALEIC HYDRAZIDE	123-33-1	47
MANEB	12427-38-2	5.8
MERPHOS OXIDE	78-48-8	41
METHACRYLONITRILE	126-98-7	0.067
METHAMIDOPHOS	10265-92-6	0.083
METHANOL	67-56-1	120
METHOMYL	16752-77-5	3.2
METHOXYCHLOR	72-43-5	630
METHOXYETHANOL, 2-	109-86-4	1.1
METHYL ACETATE	79-20-9	1900
METHYL ACRYLATE	96-33-3	77
METHYL CHLORIDE	74-87-3	0.038
METHYL ETHYL KETONE	78-93-3	110
METHYL ISOBUTYL KETONE	108-10-1	6.3
METHYL METHACRYLATE	80-62-6	56
METHYL METHANESULFONATE	66-27-3	0.32
METHYL PARATHION	298-00-0	0.42
METHYL STYRENE (MIXED ISOMERS)	25013-15-4	340
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	0.25
METHYLENE BIS(2-CHLOROANILINE), 4,4'-	101-14-4	.15
METHYLNAPHTHALENE, 2-	91-57-6	8000
METHYLSTYRENE, ALPHA	98-83-9	250
NAPHTHALENE	91-20-3	25
NAPHTHYLAMINE, 1-	134-32-7	1.1
NAPHTHYLAMINE, 2-	91-59-8	0.046
NAPROPAMIDE	15299-99-7	2300
NITROANILINE, M-	99-09-2	0.091
NITROANILINE, O-	88-74-4	0.1
NITROANILINE, P-	100-01-6	0.085
NITROBENZENE	98-95-3	2.2
NITROPHENOL, 2-	88-75-5	17
NITROPHENOL, 4-	100-02-7	4.1
NITROPROPANE, 2-	79-46-9	0.0011
NITROSODIETHYLAMINE, N-	55-18-5	0.000075
NITROSODIMETHYLAMINE, N-	62-75-9	0.00017
NITROSO-DI-N-BUTYLAMINE, N-	924-16-3	0.014
NITROSODI-N-PROPYLAMINE, N-	621-64-7	0.0051

Table GP-1a
Regulated Fill Concentration Limits for Organics

PARAMETER	CASRN	Regulated Fill Total analysis mg/kg
NITROSODIPHENYLAMINE, N-	86-30-6	83
NITROSO-N-ETHYLUREA, N-	759-73-9	0.00022
OCTYL PHTHALATE, DI-N-	117-84-0	10000
OXAMYL (VYDATE)	23135-22-0	2.6
PARATHION	56-38-2	360
PCB-1016 (AROCLOR)	12674-11-2	200
PCB-1221 (AROCLOR)	11104-28-2	2.5
PCB-1232 (AROCLOR)	11141-16-5	2
PCB-1242 (AROCLOR)	53469-21-9	62
PCB-1248 (AROCLOR)	12672-29-6	44
PCB-1254 (AROCLOR)	11097-69-1	44
PCB-1260 (AROCLOR)	11096-82-5	130
PEBULATE	1114-71-2	860
PENTACHLOROBENZENE	608-93-5	660
PENTACHLORONITROBENZENE	82-68-8	20
PENTACHLOROPHENOL	87-86-5	5
PHENACETIN	62-44-2	46
PHENANTHRENE	85-01-8	10000
PHENOL	108-95-2	66
PHENYLENEDIAMINE, M-	108-45-2	8.6
PHENYLPHENOL, 2-	90-43-7	1900
PHORATE	298-02-2	0.88
PHTHALIC ANHYDRIDE	85-44-9	6200
PICLORAM	1918-02-1	7.4
PRONAMIDE	23950-58-5	3.1
PROPANIL	709-98-8	26
PROPHAM	122-42-9	46
PROPYLBENZENE, N-	103-65-1	780
PROPYLENE OXIDE	75-56-9	0.19
PYRENE	129-00-0	2200
PYRIDINE	110-86-1	0.22
QUINOLINE	91-22-5	0.074
QUIZALOFOP (ASSURE)	76578-14-8	47
RONNEL	299-84-3	800
SIMAZINE	122-34-9	0.15
STRYCHNINE	57-24-9	2.5
STYRENE	100-42-5	24
TEBUTHIURON	34014-18-1	83
TERBACIL	5902-51-2	2.2
TERBUFOS	13071-79-9	0.12
TETRACHLOROBENZENE, 1,2,4,5-	95-94-3	14
TETRACHLORODIBENZO-P-DIOXIN, 2,3,7,8- (TCDD)	1746-01-6	0.00053
TETRACHLOROETHANE, 1,1,1,2-	630-20-6	10
TETRACHLOROETHANE, 1,1,2,2-	79-34-5	0.0083
TETRACHLOROETHYLENE (PCE)	127-18-4	0.43
TETRACHLOROPHENOL, 2,3,4,6-	58-90-2	950
TETRAETHYL LEAD	78-00-2	0.012
TETRAETHYLDITHIOPYROPHOSPHATE	3689-24-5	1.5
THIOFANOX	39196-18-4	0.34
THIRAM	137-26-8	130
TOLUENE	108-88-3	44
TOLUIDINE, M-	108-44-1	0.51
TOLUIDINE, O-	95-53-4	1.2
TOLUIDINE, P-	106-49-0	1.3
TOXAPHENE	8001-35-2	1.2
TRIALLATE	2303-17-5	860
TRIBROMOMETHANE (BROMOFORM)	75-25-2	4.4
TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,2-	76-13-1	53000
TRICHLOROBENZENE, 1,2,4-	120-82-1	27
TRICHLOROBENZENE, 1,3,5-	108-70-3	31

Table GP-1a
Regulated Fill Concentration Limits for Organics

PARAMETER	CASRN	Regulated Fill Total analysis mg/kg
TRICHLOROETHANE, 1,1,1-	71-55-6	7.2
TRICHLOROETHANE, 1,1,2-	79-00-5	0.15
TRICHLOROETHYLENE (TCE)	79-01-6	0.17
TRICHLOROPHENOL, 2,4,5-	95-95-4	6100
TRICHLOROPHENOL, 2,4,6-	88-06-2	6.9
TRICHLOROPHENOXYACETIC ACID, 2,4,5- (2,4,5-T)	93-76-5	1.5
TRICHLOROPHENOXYPROPIONIC ACID, 2,4,5- (2,4,5-TP)	93-72-1	22
TRICHLOROPROPANE, 1,1,2-	598-77-6	8.7
TRICHLOROPROPANE, 1,2,3-	96-18-4	0.62
TRICHLOROPROPENE, 1,2,3-	96-19-5	30
TRIFLURALIN	1582-09-8	0.98
TRIMETHYLBENZENE, 1,2,4- (TRIMETHYLBENZENE, 1,2,4-)	95-63-6	20
TRIMETHYLBENZENE, 1,3,5-	108-67-8	6.2
TRINITROTOLUENE, 2,4,6-	118-96-7	0.023
VINYL ACETATE	108-05-4	14
VINYL BROMIDE (BROMOETHENE)	593-60-2	0.28
VINYL CHLORIDE	75-01-4	0.027
WARFARIN	81-81-2	7.4
XYLENES (TOTAL)	1330-20-7	990
ZINEB	12122-67-7	81

Table GP-1b

Regulated Fill Concentration Limits for Metals and Inorganics

PARAMETER	CASRN	Regulated Fill Total Analysis mg/kg
ALUMINUM	7429-90-5	190000
ANTIMONY	7440-36-0	27
ARSENIC	7440-38-2	53
BARIUM AND COMPOUNDS	7440-39-3	6200
BERYLLIUM	7440-41-7	320
BORON AND COMPOUNDS	7440-42-8	6.7
CADMIUM	7440-43-9	38
CHROMIUM III	16065-83-1	190000
CHROMIUM VI.	18540-29-9	190
COBALT	7440-48-4	22
COPPER	7440-50-8	36000
CYANIDE, FREE	57-12-5	200
IRON	7439-89-6	190000
LEAD	7439-92-1	943
MANGANESE	7439-96-5	190000
MERCURY	7439-97-6	10
NICKEL	7440-02-0	650
NITRATE NITROGEN	14797-55-8	na
NITRITE NITROGEN	14797-65-0	na
SELENIUM	7782-49-2	25
SILVER	7440-22-4	84
THALLIUM	7440-28-0	14
TIN	7440-31-5	680
VANADIUM	7440-62-2	72000
ZINC	7440-66-6	12000

APPENDIX 7

CUMBERLAND COUNTY LANDFILL

APPENDIX 7A

CUMBERLAND COUNTY LANDFILL PERMIT

State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF SOLID & HAZARDOUS WASTE
MAIL CODE 401-02C
P.O. BOX 420
TRENTON, NEW JERSEY 08625-0420
Telephone: (609) 292-9880 Telecopier: (609) 984-0565
http://www.state.nj.us/dep/dshw

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

MAY 0 2 2014

Gerard Velasquez III, Executive Director
Cumberland County Improvement Authority
2 North High Street
Millville, NJ 08332

Re: Notice of Administrative Completeness
Application for a Solid Waste Facility Permit – Permit Renewal
Cumberland County Improvement Authority
Township of Deerfield, Cumberland County
Facility ID No.: 133530
Permit No.: LOP140001

Dear Mr. Velasquez:

The Bureau of Solid Waste Permitting (Bureau) is in receipt of an application for a Solid Waste Facility Permit Renewal received on April 10, 2014 for the above referenced facility. The application proposes no changes to the currently permitted operations.

The Bureau has completed a review of the application pursuant to N.J.A.C. 7:26-2.4(g)2, to determine if the submittal is administratively complete. Upon review, the Bureau has determined that the application for the Solid Waste Facility Permit is ADMINISTRATIVELY COMPLETE.

Since the Bureau has determined that the renewal application is administratively complete, all conditions of the existing Permit for the facility will remain effective pursuant to N.J.A.C. 7:26-2.7(c).

Within thirty (30) days of the date of this letter, please submit an additional eight (8) copies of the application for distribution to various federal, state, and local agencies for their review.

If you have any questions concerning this matter, please contact Ross M. Hull of my staff at (609) 984-5936 or by email at ross.hull@dep.state.nj.us.

Very truly yours,

Anthony Fontana, Chief
Bureau of Solid Waste Permitting

c: Michael Gerchman, DEP – Bureau of Solid Waste Permitting
Tom Farrell, Chief, DEP – Bureau of Solid Waste Compliance and Enforcement
Bill Everett, Supervisor, DEP – Bureau of Solid Waste Compliance and Enforcement
Kim Bell, Environmental Health Coordinator, Cumberland County Health Department
Jeffrey B. Winegar, P.E., T&M Associates

Doc: Admin Compl Determination

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOLID AND HAZARDOUS WASTE MANAGEMENT PROGRAM
BUREAU OF LANDFILL & HAZARDOUS WASTE PERMITTING
P.O. BOX 414 401 E.STATE STREET
TRENTON, NEW JERSEY 08625-0414
TELEPHONE: 609-984-6985 TELECOPIER: 609-633-9839
http://www.state.nj.us/dep/dshw

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Acting Commissioner

SOLID WASTE FACILITY PERMIT

Under the provisions of N.J.S.A. 13:1E *et seq.* known as the Solid Waste Management Act, this permit is hereby issued to:

CUMBERLAND COUNTY IMPROVEMENT AUTHORITY
SOLID WASTE COMPLEX

Facility Type:	Class I SW Landfill
Block No:	76
Lot Nos:	14, 15, 16, 18, 19, and portions of 2, 3, and 4
Municipality:	Deerfield
County:	Cumberland
Facility ID No.:	133530
Permit No.:	LOP090002

This permit is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection.

This permit shall not prejudice any claim the State may have to riparian land nor does it allow the registrant to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be riparian, wetlands, stream encroachment or flood plains, or within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits, or approvals from the Department of Environmental Protection.

May 29, 2009
Issuance Date

FEB 1 8 2010
Modification Date

May 29, 2014
Expiration Date

Robert M. Confer, Chief
Bureau of Landfill and Hazardous Waste Permitting

Scope of the Permit

This Permit, along with the referenced application documents herein specified, shall constitute the sole approval of solid waste facility operations for disposal of solid waste at the **CUMBERLAND COUNTY IMPROVEMENT AUTHORITY SOLID WASTE COMPLEX** located in Deerfield, Cumberland County, New Jersey. Any registration, approval or permit previously issued by the Solid & Hazardous Waste Management Program (the Program), or its predecessor agencies, for the specific activities described below and as conditioned herein, is hereby superseded.

This modification is being made in order to incorporate the updated Operation and Maintenance Manual (dated September 2009) as part of the Approved Permit Application and Associated Documents for this facility, as was required in condition 40 of the Solid Waste Facility Permit Number LOP050001.

Facility Description

The Cumberland County Improvement Authority Solid Waste Complex (CCIASWC) is located along Jesse's Bridge Road (County Route 636), approximately one half mile north of Sherman Avenue (County Route 552) in Deerfield Township, Cumberland County, New Jersey. The landfill is situated on a 240.57 acre site, of which 107.4 acres is authorized for landfill operations and the remaining 133.17 acres provides buffers, borrow areas for daily/intermediate cover, and ancillary structures. The landfill has an approved top elevation of 227.5 feet above mean sea level and a permitted final capacity of 13,797,630 cubic yards.

The CCIASWC is open for the receipt of waste Monday through Friday from the hours of 7:00 a.m. to 7:00 p.m., and from 8:00 a.m. until 12:00 p.m. on Saturdays, and is authorized to accept solid waste types (ID#'s) 10, 13, 13C, 23, 25, 27, 27A, and 27I. All solid waste collection/haulage vehicles enter the facility via the paved access road from Jesse's Bridge Road (i.e., County Road 636), and subsequently proceed to the scale-house. All solid waste collection/haulage vehicles are prohibited from traveling on "Haul Road" situated on Lot 19, near Old Kenyon Road. Delivery trucks and/or transfer trailers accessing or exiting the facility are not allowed to park or queue on any public road. All truck maneuvering and staging occurs within the limits of the facility's property.

Approved Permit Application and Associated Documents

The permittee shall construct and operate the facility in accordance with N.J.A.C. 7:26-1 *et seq.*, the conditions of this permit, and the following documents:

a. Letter dated August 22, 2008, signed by Jeffrey Winegar, P.E., Group Manager T&M Associates, for Phase VI Expansion and Permit Renewal; submittal regarding the proposed final elevation of the landfill.

b. Letter dated July 24, 2008, signed by David Munion, P.E., Vice President T&M Associates, for Phase VI Expansion and Permit Renewal; submittal regarding the groundwater flow velocity determination in the vicinity of the landfill.

c. Addendum including revised sections of the Engineering Design Report and drawings C4, C12 and C13 (signed and sealed by David Munion, P.E., and dated June 13, 2008); addendum submitted under cover letter dated June 13, 2008, prepared by T&M Associates for Phase VI Expansion and Permit Renewal.

d. Letter dated April 1, 2008, signed by Jeffrey Winegar, P.E., Group Manager T&M Associates, for Phase VI Expansion and Permit Renewal; letter transmitting revised drawing C4, dated April 1, 2008, signed and sealed by David Munion, P.E.

e. Addendum including Revised Engineering Design Report and drawing C4 (signed and sealed by David Munion, P.E., and dated February 8, 2008); addendum submitted under cover letter dated February 11, 2008, prepared by T&M Associates for Phase VI Expansion and Permit Renewal.

f. Revised Engineering Design Report submitted under cover letter dated October 15, 2007, prepared by T&M Associates for Phase VI Expansion and Permit Renewal; submittal included revised Chapter 10 – QA/QC plan for construction of Cells 7, 8, and 9.

g. Revised Engineering Design Report submitted under cover letter dated September 17, 2007, prepared by T&M Associates for Phase VI Expansion and Permit Renewal; revision based on expansion with three cells (i.e., Cells 7, 8, and 9), as well as in response to comments included in Agency correspondence dated March 20, 2007.

h. Engineering Drawings and Construction Plans, Sheets 1 through 26 dated September 17, 2007, labeled "Lateral Expansion", prepared by T&M Associates; drawings signed and sealed by David Munion, P.E., NJ License #32490. Revisions based on expansion with three cells (i.e., Cells 7, 8, and 9), as well as in response to comments included in Agency correspondence dated March 20, 2007.

i. Engineering Design Report and Environmental Impact Statement, dated April 19, 2005, prepared by T&M Associates for Phase VI Expansion and Permit Renewal; submittal based on expansion with two cells (i.e., Cells 7 and 8).

j. Engineering Drawings and Construction Plans, Sheets 1 through 26 dated April 19, 2005, labeled "Lateral Expansion," prepared by T&M Associates; drawings signed and sealed by David Munion, P.E., NJ License #32490.

k. Construction Specifications and Quality Assurance/Quality Control Plan, dated June 2000, signed by David W. Munion, P.E. of James C. Anderson Associates.

l. Construction plans, sheets 1 through 26, dated June 2, 2000, labeled "Phase V Development", and prepared by James C. Anderson Associates.

m. Engineering Design Report - 1998 Volume Addition, volumes I-III, dated May 1998, prepared by James C. Anderson Associates.

n. Engineering plans, sheets 1 through 28, labeled "1998 Volume Expansion", dated May 1998, signed by David W. Munion, P.E. of James C. Anderson Associates.

o. Engineering Design Report - 1995 Permit Modification and Renewal, volumes I-III, dated November 1995, signed by David W. Munion, P.E. of James C. Anderson Associates.

p. Engineering plans, sheets 1 through 29, labeled "1995 Permit Modification and Renewal," dated November 1995, prepared by James C. Anderson Associates.

q. Supplements Nos. 1 and 2 of the Engineering Design Report dated August 1990, prepared by Gannett Fleming, Inc. for permit modification and renewal.

r. Engineering Design Report and Environmental Impact Statement, dated May 1990, prepared by Gannett Fleming, Inc. for permit modification and renewal for Construction of Phase III through VI of this landfill.

s. Engineering plans, sheets 1 through 31, dated May 1, 1990, signed by Robert F. Hasemeier, P.E. and John E. Waters, P.E. of Gannett Fleming, Inc.

t. Engineering plans, sheets 1 through 22, dated January, 1985, signed by William S. Howard, P.E. of Camp, Dresser of McKee, Inc. and revisions to sheets G-10, G-11 and G-13 dated June 1985 and to sheets 1 through 12 dated September 1985.

u. Engineering Design Report and Environmental Impact Statement, dated December 1984, prepared by Camp, Dresser & McKee, Inc.

v. Request received by the Department from the Cumberland County Improvement Authority dated February 27, 2009, to modify the facility site plan (i.e., Drawing C1) and the facility plan (i.e., Drawing C2); the request was to modify drawings C1 and C2 to include a Household Hazardous Waste/Universal Waste Collection Facility on the Solid Waste Complex.

w. Operation and Maintenance (O&M) Manual dated September 2009; submitted by David Munion, P.E., Vice President T&M Associates, under cover letter dated September 30, 2009.

x. Appendices E, F, G, and H for the O&M Manual document dated September 2009; supplemental submission by Jeffrey Winegar, P.E., Group Manager, T&M Associates, under cover letter dated October 2, 2009.

In case of conflict, the provisions of N.J.A.C. 7:26-1 *et seq.* shall have precedence over the conditions of this permit, and the conditions of this permit shall have precedence over plans and specifications listed above.

Attachment – Permit Conditions

The conditions of this permit are found in the attached document entitled "Cumberland County Improvement Authority 133530 LOP090002 SW Landfill Operating Permit – Permit Renewal Requirements Report."

Subject Item: PI 133530 -

1. The permittee shall operate the facility in compliance with the requirements of N.J.A.C. 7:26-2.11. [N.J.A.C. 7:26-2.8(i)]
2. The permittee shall operate the facility in conformance with all of the conditions, restrictions, requirements and any other provisions set forth in this permit. [N.J.A.C. 7:26-2.8(j)]
3. Except for minor modifications as set forth at N.J.A.C. 7:26-2.6(d), the permittee shall not modify, revise or otherwise change any condition of this permit without prior written approval of the Department. [N.J.A.C. 7:26-2.8(k)]
4. If the permittee wishes to continue the operation of this facility after the expiration date of this permit, the permittee shall apply for permit renewal at least 90 days prior to the expiration date of this permit, and the facility must be included in the District Solid Waste Management Plan at the time of such application. [N.J.A.C. 7:26-2.7(b)1]
5. The conditions of this permit shall continue in force beyond the expiration date of this permit pursuant to the Administrative Procedure Act, N.J.S.A. 52:14B-11, until the effective date of a new permit if the permittee has submitted a timely and complete application for a renewal permit at least 90 days prior to the expiration of this permit and the Department, through no fault of the permittee, does not issue a new permit with an effective date on or before the expiration date of this permit, due to time or resource constraints. [N.J.A.C. 7:26-2.7(c)]
6. Permits continued under the Administrative Procedure Act remain fully effective and enforceable. If the Permittee is not in compliance with any one of the conditions of the expiring or expired permit, the Department may choose to: Initiate enforcement action based on the permit which has been continued; Issue a notice of intent to deny the new permit under N.J.A.C. 7:26-2.4. If the permit is denied, the permittee would then be required to cease activities and operations authorized by the continued permit or be subject to an enforcement action for operating without a permit; Issue a new permit under N.J.A.C. 7:26-2.4 with appropriate conditions; or take such other actions as are authorized by N.J.A.C. 7:26-1 et seq. or the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq. [N.J.A.C. 7:26-2.7(d)]
7. Should the Department determine that the facility is operating in an environmentally unsound manner in accordance with N.J.A.C. 7:26-2.8(p) the permittee shall: Within 90 days of notification by the Department, submit a plan to close or environmentally upgrade the facility in conformance with the applicable standards, as determined by the Department and set forth in N.J.A.C. 7:26-1 et seq.; Within 90 days of receipt of written approval by the Department of the submitted plan, begin to close or construct the environmental upgrading at the facility; and Within one year of receipt of written approval by the Department of the submitted plan, complete closure or construction of the environmental upgrading at the facility. [N.J.A.C. 7:26-2.8(p)]
8. A one time extension of the compliance schedule established by N.J.A.C. 7:26-2.8(p) shall be granted by the Department provided the permittee demonstrates that it has made a good faith effort to meet the schedule. [N.J.A.C. 7:26-2.8(q)]
9. Should the environmental upgrading required pursuant to N.J.A.C. 7:26-2.8(p) not be completed or should continued operations be determined by the Department to be environmentally unsound despite the implementation of the plan approved pursuant to N.J.A.C. 7:26-2.8(p), the facility shall temporarily or permanently cease operations and close or enter into receivership, as provided for in N.J.S.A. 13:1E-9, for that period of time necessary to rectify the environmentally unsound conditions. [N.J.A.C. 7:26-2.8(r)]

Subject Item: PI 133530 -

10. If cause exists, the Department may modify, or revoke and reissue this permit, subject to the limitations of N.J.A.C. 7:26-2.6, and may require the permittee to submit an updated or new application in accordance with N.J.A.C. 7:26-2.6(e), if appropriate. [N.J.A.C. 7:26-2.6(a)1]

11. The Department may modify or, alternatively, revoke and reissue this permit if cause exists for termination under N.J.A.C. 7:26-2.6(c) and the Department determines that modification or revocation and reissuance is appropriate. [N.J.A.C. 7:26-2.6(b)]

12. Upon the request of the permittee, an interested party or for good cause, the Department may make certain minor modifications to a permit without issuing a tentative approval, providing public notice thereof or holding a public hearing thereon. [N.J.A.C. 7:26-2.6(d)]

13. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, the permittee shall promptly submit such facts or information. [N.J.A.C. 7:26-2]

14. All completed registration statements submitted by the permittee shall be signed as specified at N.J.A.C. 7:26-2.4(e)1. [N.J.A.C. 7:26-2.4(e)1]

15. All engineering designs and reports, the environmental and health impact statement, other information requested as "Addendums" by the Department pursuant to N.J.A.C. 7:26-2.4(f) and (g)4 and documents required to be submitted pursuant to N.J.A.C. 7:26-2.9 and 2.10, submitted on behalf of the permittee, shall be signed by a person described in N.J.A.C. 7:26-2.4(e)1 or by a duly authorized representative of that person, as specified at N.J.A.C. 7:26-2.4(e)2. [N.J.A.C. 7:26-2.4(e)2]

16. Any person signing a registration statement, engineering design or report, environmental and health impact statement or addendum mentioned in N.J.A.C. 7:26-2.4(e)1 or (e)2, submitted on behalf of the permittee, shall make the certification specified at N.J.A.C. 7:26-2.4(e)3. [N.J.A.C. 7:26-2.4(e)3]

17. The permittee shall not transfer ownership of the permit without receiving prior written approval of the Department, in accordance with N.J.A.C. 7:26-2.7(e). [N.J.A.C. 7:26-2.8(l)]

18. A written request for permission to allow any transfer of ownership or operational control of the facility must be received by the Department at least 180 days in advance of the proposed transfer. The request for approval shall include all of the information required by N.J.A.C. 7:26-2.7(e)1i-iv. [N.J.A.C. 7:26-2.7(e)1]

19. A new owner or operator may commence operations at the facility only after the existing permit has been revoked and a permit is issued pursuant to N.J.A.C. 7:26-2.4. [N.J.A.C. 7:26-2.7(e)2]

20. During a transfer of ownership, the permittee of record remains liable for ensuring compliance with all conditions of the permit unless and until the existing permit is revoked and a new permit is issued in the name of the new owner or operator. [N.J.A.C. 7:26-2.7(e)3]

21. Compliance with the transfer requirements set forth in N.J.A.C. 7:26-2.7 shall not relieve the permittee from the separate responsibility of providing notice of such transfer pursuant to the requirements of any other statutory or regulatory provision. [N.J.A.C. 7:26-2.7(e)4]

22. Prior to May 1 of each calendar year the permittee shall submit to the Department a statement updating the information contained in the permittee's initial registration statement. This update shall be on forms furnished by the Department. In no case shall submission of an updated statement alter conditions of this permit. [N.J.A.C. 7:26-2.8(b)]

23. The permittee shall notify the Department in writing within 30 days of any change in the information set forth in the permittee's current registration statement. [N.J.A.C. 7:26-2.8(c)]

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24. Failure of the permittee to submit an updated registration statement and to submit all applicable fees, required by N.J.A.C. 7:26-4, on or before July 1 of each calendar year shall be sufficient cause for the Department to revoke this permit or take such other enforcement action as is appropriate. [N.J.A.C. 7:26-2.8(d)]

25. The permittee shall maintain a daily record of wastes received. The record shall include the information specified at N.J.A.C. 7:26-2.13(a). [N.J.A.C. 7:26-2.13(a)]

26. The daily record of waste received shall be maintained, shall be kept, and shall be available for inspection in accordance with N.J.A.C. 7:26-2.13(b). [N.J.A.C. 7:26-2.13(b)]

27. The permittee shall verify, retain and make available for inspection a waste origin/disposal (O and D) form for each load of solid waste received in accordance with N.J.A.C. 7:26-2.13(c). [N.J.A.C. 7:26-2.13(c)4]

28. The permittee shall submit monthly summaries of wastes received to the Solid and Hazardous Waste Management Program, Bureau of Recycling and Planning, and the Solid Waste Coordinator for the District where the facility is located, on forms provided by the Department (or duplication of same), no later than 20 days after the last day of each month. The monthly summaries shall include the information specified at N.J.A.C. 7:26-2.13(e). [N.J.A.C. 7:26-2.13(e)]

29. Upon request by the Department, the permittee shall submit, in such form as the Department may deem appropriate, information concerning the sources of wastes received and the transportation or disposal patterns associated with such wastes. [N.J.A.C. 7:26-6.4]

30. The permittee shall operate the facility in compliance with any applicable district solid waste management plan(s) as well as any amendments to and/or approved administrative actions concerning such plan(s). Should the permittee fail to comply with any applicable district solid waste management plan(s) as well as any amendment to or approved administrative actions concerning such plan(s), the permittee shall be deemed in violation of N.J.S.A. 13:1E-1 et seq. and N.J.A.C. 7:26-1 et seq. and shall be subject to applicable penalties provided thereunder, and any other applicable laws or regulations. [N.J.A.C. 7:26-6.12(b)]

31. The permittee and/or facility operator shall report to the Department and the Attorney General within 30 days any changes or additions in the information required to be included in the disclosure statement, as specified at N.J.A.C. 7:26-16.6 [N.J.A.C. 7:26-16.6(b)]

32. The permittee and/or facility operator shall report any other changes in the information contained in the permittee's disclosure statement currently on file with the Department and the Attorney General in an annual update to be filed with the Department of Law and Public Safety, Division of Law, at the time of the permittee's annual renewal of its registration with the Division of Law, as specified at N.J.A.C. 7:26-16.6. Copy of this annual update shall also be provided to the Solid and Hazardous Waste Management Program. [N.J.A.C. 7:26-16.6(c)]

33. The issuance of this permit shall not exempt the permittee from obtaining all other permits or approvals required by law or regulations. [N.J.A.C. 7:26-2.8(h)]

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34. The permittee shall inspect each incoming waste load in accordance with the Waste Control, Inspection, and Recyclables Plan included as part of the approved final operations and maintenance manual, or in accordance with any other approved facility operating plan as appropriate. Such inspections shall be performed to identify the incidence of designated recyclable materials that may be mandated to be source separated by the District Recycling Plan applicable to the point of origin of the waste load. The permittee shall consult with each county recycling coordinator for the facility's service area on a quarterly basis to review those recyclable materials that are designated by each county to be source separated pursuant to N.J.S.A. 13:1E-99.13(b)2. The Waste Control, Inspection, and Recyclables Plan or other approved facility operating plan as appropriate, shall be updated accordingly. Should any designated recyclable materials be detected in a delivered waste load, the appropriate county recycling coordinator shall be notified in writing. The permittee shall maintain a copy of each such notification at the facility. Whenever possible, the generator who failed to source separate the recyclable materials shall also be identified and reported to the county recycling coordinator. [N.J.A.C. 7:26-2.4(g)12]

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35. The facility shall comply with the additional operational, maintenance, inspection and monitoring requirements for all sanitary landfills as provided at N.J.A.C. 7:26-2A.8 [N.J.A.C. 7:26-2A.8]

36. The permittee is authorized to accept the following waste types: ID10 - Municipal (household, commercial and institutional), ID13 - Bulky waste, ID13C - Construction and demolition waste, ID23 - Vegetative waste, ID25 - Animal and food processing wastes, ID27 - Dry industrial waste, ID27A - Waste material consisting of asbestos or asbestos containing waste, and ID27I - Waste material consisting of incinerator ash or ash containing waste. [N.J.A.C. 7:26-2.11(b)9]

37. The permittee is not authorized to accept any other type or description of solid waste as defined at N.J.A.C. 7:26-2.13(g) and (h), regulated medical waste as defined at N.J.A.C. 7:26-3A.6(a), leaves or designated recyclables as defined at N.J.A.C. 7:26A, or hazardous waste as defined at N.J.A.C. 7:26G. [N.J.A.C. 7:26-2.11(b)9]

38. The permittee shall operate the facility, and construct or install associated appurtenances thereto, in accordance with the provisions of N.J.A.C. 7:26-1 et seq., the conditions of this permit, and the permit application documents which are referenced as part of this permit.

39. In case of conflict, the provisions of N.J.A.C. 7:26-1 et seq. shall have precedence over the conditions of this permit, and the conditions of this permit shall have precedence over the approved permit application documents listed above. In addition, the most recent revisions and supplemental information approved by the Department shall prevail over prior submittals and designs. [N.J.A.C. 7:26-2.11(b)]

40. One complete set of the permit application documents as referenced herein, this Solid Waste Facility Permit, the approved O & M manual, and all records, reports and plans as may be required pursuant to this permit shall be kept on-site and shall be available for inspection by authorized representatives of the Department. [N.J.A.C. 7:26-2.11(b)12]

41. The areal extent of the landfill, including Cells 7, 8, and 9, shall be approximately 107.4 acres. Final elevation, including the final cover, shall not exceed elevation 227.50 feet (as indicated on drawing C13, revised and dated August 7, 2008) above mean sea level for the entire landfill. All sideslopes shall be constructed as specified on the referenced engineering plans. [N.J.A.C. 7:26-1]

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42. Access to the sanitary landfill for solid waste disposal shall only be permitted during the following hours: Monday through Friday from 7:00 a.m. to 7:00 p.m., and Saturday from 8 a.m. to 12:00 p.m. [N.J.A.C. 7:26-2A.8(b)24]

43. Cells 7, 8, and 9 base liner profile, in descending order, shall be as follows: 18 inches of primary leachate collection sand layer; single-sided geocomposite (two hundred mil HDPE geonet and one layer of eight oz. non-woven geotextile filter layer); sixty (60) mil smooth HDPE geomembrane liner; geosynthetic clay liner (GCL) with permeability of less than or equal to 1 X 10 (exp -7) cm/sec; single-sided geocomposite (two hundred mil HDPE geonet and one layer of eight oz. non-woven geotextile filter layer); sixty (60) mil smooth HDPE secondary geomembrane liner; GCL with permeability of less than or equal to 1 X 10 (exp -7) cm/sec; and prepared subgrade. Cells 7, 8, and 9 side slope liner profile, in descending order, shall be as follows: 18 inches of primary leachate collection sand layer; double-sided geocomposite; sixty (60) mil textured HDPE geomembrane liner; geosynthetic clay liner (GCL) with permeability of less than or equal to 1 X 10 (exp -7) cm/sec; double-sided geocomposite; sixty (60) mil textured HDPE secondary geomembrane liner; GCL with permeability of less than or equal to 1 X 10 (exp -7) cm/sec; and prepared subgrade. [N.J.A.C. 7:26-1]

44. The final cover for the landfill shall consist of the following capping system in descending order: six inches of top soil of quality to sustain adequate vegetative cover; eighteen inches of select fill; twelve inch sand drainage layer with a hydraulic conductivity greater than or equal to 1 X 10 (-3) cm/sec; geotextile; 200-mil HDPE drainage geocomposite with transmissivity greater than or equal to 1 cm/sec; geotextile; 60 mil LLDPE textured geomembrane cap; 12 inches of intermediate cover. A geosynthetic cover may be used on a temporary basis in place of the final cover. At a minimum, the geosynthetic cover shall consist of a 16-mil woven (or scrim) reinforced polyethylene membrane, and shall be anchored in place as shown on the approved engineering designs. This temporary final cover shall be properly maintained until placement of the final cover. The Permittee shall notify this Program in writing as areas of the landfill are completed with the temporary final cover. [N.J.A.C. 7:26-1]

45. A quality assurance inspector, independent of the quality control inspector, approved by the Department and reporting directly to the Department, shall be at the site at all times during the initial construction phase of the containment and leachate collection systems to observe and perform all required systems audits of the quality control inspections to insure proper implementation of the design and permit requirements. For the purposes of this section, quality assurance means the periodic testing and observations performed by the owner and/or operator of a landfill as a check on the construction contractor's quality control activities. [N.J.A.C. 7:26-2A.7(a)7]

46. A meeting shall be held between the quality assurance inspectors and the Department to establish reporting procedures and frequency, in accordance with the construction scheduling. [N.J.A.C. 7:26-2A.7(a)8]

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47. Quality control inspectors shall be at the site during all phases of construction to ensure and verify that the approved sanitary landfill design and SWF permit landfill construction requirements are properly implemented. The quality control inspectors shall, at a minimum, be at the site at all times during the construction of the containment and leachate collection systems. For the purposes of this section, quality control means those activities and responsibilities assigned to the construction contractor, manufacturer, installer or supplier to measure and regulate the characteristics or properties of an item in order to ensure that the applicable landfill construction requirements at N.J.A.C. 7:26-2A.7, (a)12 and 13 and the SWF permit conditions are met. This includes those actions taken before, during, or after construction to ensure that the materials used and the completed workmanship are in conformance with the construction requirements at N.J.A.C. 7:26-2A.7 and the SWF permit. [N.J.A.C. 7:26-2A.7(a)9]

48. The quality control measures and tests required by N.J.A.C. 7:26-2A.7 and described in the QA and QC plan submitted in accordance with N.J.A.C. 7:26-2A.5(a)7 shall be employed to ensure that the construction requirements are properly implemented and that the design and performance standards are achieved. [N.J.A.C. 7:26-2A.7(a)10]

49. The scheduled frequency of inspections by the independent quality assurance inspectors may be reduced or discontinued if approved by the Department. The reductions or discontinuance shall be based on the results of the initial construction tests and the precision and consistency of the quality control test results. [N.J.A.C. 7:26-2A.7(a)15]

50. At such time as the independent quality assurance inspector is discontinued, as approved by the Department, the activities performed by the quality assurance inspector shall be carried out by the permittee's quality control inspectors in accordance with the approved Quality Assurance and Quality Control Plan. [N.J.A.C. 7:26-2A.7(a)16]

51. The Department may reinstate the independent quality assurance inspection at the site if the results of the construction tests and the precision and consistency of the quality control testing warrant such reinstatement. [N.J.A.C. 7:26-2A.7(a)17]

52. Best available engineering construction practices shall be employed for all phases of the facility construction. [N.J.A.C. 7:26-2A.7(a)18]

53. Following the completion of new liner construction involving geomembranes pursuant to N.J.A.C. 7:26-2A.7(c)4, but prior to the submittal of the engineer's certification pursuant to N.J.A.C. 7:26-2A.7(a)20-24, an electrical leak location or equivalent test shall be undertaken on the newly constructed primary liner. Results of the test shall be appended in the engineer's final documentation report. The final documentation report shall list any repairs that were undertaken on the liner as a result of the electrical leak location test. [N.J.A.C. 7:26-2A.7(a)19]

54. A New Jersey licensed professional civil or geotechnical engineer shall certify, in writing, to the Department that he or she has supervised the inspection of the construction of each major phase of the sanitary landfill's construction. He or she shall further certify that each phase has been prepared and constructed in accordance with the engineering design approved by the Department, prior to operations. The certification shall include a final documentation report which shall summarize the daily quality control of construction activities as required by N.J.A.C. 7:26-2A.7(a)14 and shall include as-built drawings. [N.J.A.C. 7:26-2A.7(a)20]

A New Jersey licensed professional civil or geotechnical engineer shall certify that the materials utilized in the containment system and leachate collection system are in conformance with and meet the specifications of the approved engineering design. [N.J.A.C. 7:26-2A.7(a)21]

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56. There shall be no deviation made from the approved engineering design specification without the prior written approval of the design engineer and, at a minimum, prior verbal approval by the Department. [N.J.A.C. 7:26-2A.7(a)22]

57. All certifications shall bear the raised seal and signature of the licensed professional engineer, and the date of certification. [N.J.A.C. 7:26-2A.7(a)23]

58. The certification shall include the following text: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals under my supervision, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I understand that, in addition to criminal penalties, I may be liable for a civil administrative penalty pursuant to N.J.A.C. 7:26-5 and that submitting false information may be grounds for denial, revocation or termination of any solid waste facility permit for which I may be seeking approval or now hold. [N.J.A.C. 7:26-2A.7(a)24]

59. The owner/operator shall close and maintain the landfill in accordance with N.J.A.C. 7:26-2A.9 and the approved closure and post-closure plan as referenced herein. [N.J.A.C. 7:26-2A.9(d)8]

60. The owner/operator shall notify the Department in writing of his intention to suspend or terminate operations at the landfill. The Department shall receive notice at least 10 days prior to the date of suspension of operations, which notice shall include the duration of the suspension, and shall receive notice at least 180 days prior to the date of termination of operations. [N.J.A.C. 7:26-2A.9(c)2]

61. Final cover constructed in accordance with N.J.A.C. 7:2A.7(i) shall be applied to all surfaces where final approved elevation has been reached and to all surfaces when the landfill operation is terminated. [N.J.A.C. 7:26-2A.8(b)14]

62. Upon closure of the sanitary landfill, a detailed description of the landfill shall be recorded, along with the deed, with the appropriate county recording office. The description shall include the general types, locations, and depths of wastes on the site, the depth and type of cover material, the dates the landfill was in use and all such other information as may be of interest to potential landowners, and shall remain in the record in perpetuity. The deed shall also provide notice that any future disruption of the closed landfill shall require prior approval from the Department in accordance with N.J.A.C. 7:26-2A.8(j). A copy of the recorded deed shall be submitted to the Solid and Hazardous Waste Management Program. [N.J.A.C. 7:26-2A.9(c)4]

63. The owner or operator may apply for Departmental approval to amend the Closure and Post-Closure Plan at any time during the sanitary landfill's operation, closure or post-closure care period. The Closure and Post-Closure Financial Plan (or Financial Plan) shall be updated and submitted to the Program for review and approval on a biennial basis; i.e., the Financial Plan update is due to be submitted on or before the second anniversary of the approval of the previous Financial Plan. [N.J.A.C. 7:26-2A.9(d)6]

64. The Department may require the amendment of an engineering design and a Closure and Post-Closure Plan at any time it is deemed necessary during the sanitary landfill's operation, closure or post-closure care period. [N.J.A.C. 7:26-2A.9(d)7]

65. A copy of the approved Closure and Post-Closure Plan shall be kept on file at the sanitary landfill during the course of the sanitary landfill's operation and, after closure, shall be filed with the municipal clerk. [N.J.A.C. 7:26-2A.9(d)9]

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66. Within six months of closure of the sanitary landfill, the owner and/or operator of the sanitary landfill shall obtain and submit to the Department an as-built certification by a New Jersey licensed professional engineer, certifying that each provision of the Closure and Post-Closure Plan has been implemented as designed and approved. [N.J.A.C. 7:26-2A.9(d)10]

67. A New Jersey licensed professional engineer shall certify, in writing, to the Department that he or she has supervised the inspection of the construction of each major phase of the sanitary landfill's closure. He or she shall further certify that each phase has been prepared and constructed in accordance with the closure design approved by the Department. The certification shall include as-built drawings. [N.J.A.C. 7:26-2A.9(d)10I]

68. A New Jersey licensed professional engineer shall certify that the materials utilized in the closure of the sanitary landfill are in conformance with and meet the specifications of the approved closure design. [N.J.A.C. 7:26-2A.9(d)10Ii]

69. There shall be no deviation from the approved closure design without the prior written approval of the design engineer and, at a minimum, prior verbal approval by the Department. [N.J.A.C. 7:26-2A.9(d)10Iii]

70. All certifications shall bear the raised seal of the New Jersey licensed professional engineer, his or her signature, and the date of certification. [N.J.A.C. 7:26-2A.9(d)10Iv]

71. The closure certification shall include the following statement: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals under my supervision, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I understand that, in addition to criminal penalties, I may be liable for civil administrative penalty pursuant to N.J.A.C. 7:26-5 and that submitting false information may be grounds for denial, revocation or termination of any solid waste facility permit for which I may be seeking approval or now hold. [N.J.A.C. 7:26-2A.9(d)10V]

72. The flow of leachate in the primary and secondary leachate collection and detection systems shall be recorded on a daily basis. The results shall be complied on a quarterly basis and submitted to the Solid and Hazardous Waste Management Program. [N.J.A.C. 7:26-2A.8(h)4,5]

73. A methane gas survey shall be performed on a quarterly basis and the results shall be submitted to the Solid and Hazardous Waste Management Program. [N.J.A.C. 7:26-2A.8(h)9Ii]

74. The daily precipitation data from the meteorological monitoring system shall be compiled on a quarterly basis and submitted to the Solid and Hazardous Waste Management Program. [N.J.A.C. 7:26-2A.8(h)10]

75. The above described quarterly monitoring data shall be submitted to the Program during the months of April, July, October, and January. [N.J.A.C. 7:26-2A.8]

76. The annual topographical survey of the sanitary landfill meeting the requirements of N.J.A.C. 7:26-2A.8(i) shall be submitted to the Program by May 1 of each year. [N.J.A.C. 7:26-2A.8(i)]

77. All solid waste collection/haulage vehicles shall enter the facility via the paved access road from Jesse's Bridge Road (i.e., County Road 636), and shall proceed to the scalehouse. All solid waste collection/haulage vehicles are prohibited from traveling on "Construction Entrance Road" situated on Lot 19, near Old Kenyon Road. [N.J.A.C. 7:26-1]

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78. Tire chips generated by the processing of tires in the Cumberland County Improvement Authority tire shredder, may be used in the landfill in the following applications: as drainage medium at the toe of slopes on active landfill cells; as fill over internal sumps of cells being developed for landfill operations; and as pipe bedding material in leachate recirculation and lateral gas collection trenches. [N.J.A.C. 7:26-1]

79. Malodorous emissions shall be controlled by use of daily cover at the landfill. In the event that this is not satisifactory, a suitable deodorant shall be used. Malodorous solid waste shall be covered immediately after off-loading, with a minimum of six (6) inches of earthen cover or an approved alternate cover material. [N.J.A.C. 7:26-1]

80. Liquid sludge generated from the landfill leachate pretreatment facility may be disposed of at the working face of the landfill, in accordance with the approved Operation and Maintenance Manual. The liquid sludge shall be considered in volume calculations when determining the applicable amount or rate of leachate that may be recycled within the bio-reactor portion of the landfill, in accordance with the approved Operation and Maintenance Manual for the landfill facility. [N.J.A.C. 7:26-1]

81. Concrete, Brick and Block may be used in the construction of haul roads on the landfill. [N.J.A.C. 7:26-1]

82. At the end of each operating day, daily cover consisting of at least six (6) inches of soil, or alternative cover material as approved by the Department, shall be placed on areas of the solid waste workface that will be exposed for less than 24 hours. The use of 16-mil woven (or scrim) reinforced polyethylene is authorized in place of soil as daily cover, in accordance with the approved Operations & Maintenance Manual. Daily cover may include Type ID 27 soil material.

    Intermediate cover, which shall consist of at least 12 inches of soil, shall be applied to all waste surfaces exposed for any period exceeding 24 hours. Intermediate cover may include Auto Shredder Residue (ASR) mixed with soil.

    Daily and intermediate cover shall be of the types that can be workable under all weather conditions. A sufficient quantity of cover material shall be available at all times to ensure proper operation of the landfill. [N.J.A.C. 7:26-1]

83. Auto Shredder Residue (ASR) may be used as a soft layer in new cell construction. [N.J.A.C. 7:26-1]

APPENDIX 7B

CUMBERLAND COUNTY LANDFILL ANALYTICAL REQUIREMENTS

Cumberland County Landfill Analysis List

Analysis	EPA Method	Sampling Frequency
TCLP VOC	8260B	5 point composite per 1000 cubic yards
TCLP SVOC	8270B	
TCLP Pesticide	8281	
TCLP Herbicide	8151A	
TCLP Metals	6010	
PCBs	8081	
Ignitability	1010A or 1020B	
Reactivity	9012B and 9034	
pH (corrosivity)	9040C or 1110A	

TCLP- Toxicity Characteristics Leaching Procedure

APPENDIX 7C

CUMBERLAND COUNTY LANDFILL ACCEPTANCE LIMITS

Material Acceptance Limits: Cumberland County Landfill

Contaminant	EPA Waste #	Level (mg/L)
Arsenic	D004	5
Barium	D005	100
Cadmium	D006	1
Chromium	D007	5
Chromium CR + 6	D007	5
Lead	D008	5
Mercury	D009	0.2
Selenium	D009	1
Silver	D011	5
Benzene	D018	0.5
Carbon Tetrachloride	D019	0.5
Chlordane	D020	0.03
Chlorobenzene	D021	100
Chloroform	D022	6
o-Cresol	D023	200
m-Cresol	D023	200.00**
p-Cresol	D025	200.00**
Cresol	D026	200.00**
2,4 D	D016	10
1,4 Dichlorobenzene	D027	7.5
1,2 Dichlorobenzene	D028	0.5
1,1 Dichlorobenzene	D029	0.7
2,4 Dichlorobenzene	D030	0.13*
Endrin	D012	0.02
Heptachlor (and its epoxide)	D031	0.008
Hexachlorobenzene	D034	3
Hexachlorobutadiene	D033	0.5
Hexachloroethane	D034	3
Lindane	D013	0.4
Methoxychlor	D014	10
Methyl Ethyl Ketone	D035	200
Nitrobenzene	D036	2
Pentachlorophenol	D037	100
Pyridine	D038	5.0 *
Tetrachloroethylene	D039	0.7
Toxaphene	D015	0.5
Trichloroethylene	D040	0.5
2,4,5-Trichlorophenol	D041	400
2,4,6-Trichlorophenol	D042	2
2,4,5-TP (Silvex)	D017	1
Vinyl chloride	D043	0.2
Igntability	D001	Flashpoint > 140°F
Reactivity	D003	Non reactive

pH (corosivity)	D002	≤ 2.0 or ≤ 12.5

* Quantitation limit is greater than the calculated regulatory level.
The quantitation limit therefore becomes the regulatory level.
** If o-,m- and p-Cresol concentrations cannot be differentiated,
the total Cresol (D026) concentration is used. The regulatory level of total
Cresol is 200mg/L.
mg/L- milligrams per liter

APPENDIX 8

380 DEVELOPMENT, LLC

APPENDIX 8A

380 DEVELOPMENT, LLC PERMIT

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

In the Matter of the Violations of Article 12 of the New York State Navigation Law, Article 17 of the New York State Environmental Conservation Law, and Title 6, Parts 596, 610, 611, 613, 614 and 703, and Title 17, Parts 30 and 32 of the Official Compilation of Codes, Rules and Regulations of the State of New York,

-by-

GATX SI, INC. and 380 DEVELOPMENT, LLC,

Respondents.

MODIFIED ORDER ON CONSENT

NYSDEC FILE NO. D2-0001-98-01-02

WHEREAS:

1. The New York State Department of Environmental Conservation ("NYSDEC" or the "Department") is responsible for the conservation, improvement and protection of the natural resources and environment of New York State, in order to enhance the health, safety and welfare of the people of the state and their overall economic and social well-being;

2. In carrying out its responsibilities, the Department has the power to promote and coordinate management of water, land, air, fish, and wildlife resources to assure their protection, enhancement, provision, allocation, and balanced utilization consistent with the environmental policy of the state, and take into account the cumulative impact upon all such resources in making any determination in connection with any license, order, permit, certification, or other similar action;

3. On July 7, 1992, GATX Terminals Corporation and the Department entered into Order on Consent, NYSDEC File No. R2-3484-91-02 (together with all attachments and modifications, the "1992 Order") with respect to the petroleum storage facility at the property adjacent to the Arthur Kill at and around 500 Western Avenue, Staten Island, New York, as set forth in the description attached at Exhibit A (the "Site");

4. On March 31, 1998, GATX Terminals Corporation and the Department entered into Order on Consent, NYSDEC File No. D2-0001-98-01-02 (together with all attachments and modifications other than this modification, the "1998 Order"), to, among other things, provide for the investigation and remediation of contaminated media at the Site;

5. Respondent GATX SI, Inc., a foreign business corporation licensed to do business in the State of New York, is a successor-in-interest under the 1992 Order and 1998 Order to

GATX Terminals Corporation, has performed obligations under the 1992 Order, and has performed and is performing obligations under the 1998 Order;

6. 380 Development, LLC ("380 Development"), a foreign limited liability company licensed to do business in the State of New York, purchased the Site in 2004 and is engaged in the development of the Site;

7. By this Modified Order on Consent (together with the 1998 Order, the "Modified Order"), 380 Development becomes a respondent to the 1998 Order and assumes all outstanding obligations of GATX SI, Inc. under the 1998 Order, with the sole exception being the obligation of GATX SI, Inc. to complete the activities described in the first paragraph of section 6.4 of the "100% Remedial Design for Wetland and Canal Soil/Sediment" dated November 14, 2008 (the "Wetlands Remediation Work"). Upon completion by GATX SI, Inc. of the Wetlands Remediation Work, GATX, SI, Inc. shall have no further obligations under the Modified Order. 380 Development shall be responsible for monitoring and maintaining the Wetlands Remediation Work;

8. 380 Development agrees to perform the obligations set forth in the Engineering Work Plan, attached as Exhibit B;

9. Except where expressly set forth in this Modified Order, all terms, conditions and provisions of the 1998 Order and any attachments and modifications thereto remain in full force and effect, are incorporated herein and shall apply with the same force and effect to the provisions of this modification. The terms of the 1998 Order, including all appendices and subsequent modifications, are not otherwise modified or expanded in any way;

10. This Modified Order shall constitute this complete and entire modification of the 1998 Order. No term, condition, understanding or agreement purporting to modify the terms of the 1998 Order shall be binding unless subscribed to by the parties to this modification in accordance with the terms of the 1998 Order and this modification. The Engineering Work Plan and Site Management Plan provided for below may be modified by the Department based on changed circumstances or new information. Nothing herein is intended or shall be construed to expand GATX SI, Inc.'s obligations under the 1998 Order; and

11. 380 Development waives the right to a hearing regarding the issuance of this Modified Order as provided by law, consents to the issuance of this Modified Order, and agrees to be bound by the terms, provisions and conditions of this Modified Order.

NOW, THEREFORE, HAVING CONSIDERED THIS MATTER AND BEING DULY ADVISED, IT IS ORDERED THAT:

I. Incorporation by Reference: The above "whereas" clauses are hereby made a part of this Modified Order.

II. Binding Effect: The provisions of this Modified Order on Consent (together with the 1998 Order, the "Modified Order") shall bind the parties, their successors and assigns, and all persons, officers, directors, employees and agents acting under or for the parties, including, but not limited to, any successor in title to the Site or any interest therein.

III. Termination of GATX SI, Inc.'s Obligations Under the 1992 Order and 1998 Order: GATX SI, Inc.'s obligations under the 1992 Order previously terminated, and upon completion of the Wetlands Remediation Work, GATX SI, Inc.'s obligations under the 1998 Order shall terminate, and GATX SI, Inc. shall have no further obligations under the Modified Order.

IV. Engineering Work Plan: 380 Development shall implement and fully comply with the Engineering Work Plan attached as Exhibit B, which shall be an enforceable part of the Modified Order. The Engineering Work Plan shall include provision for a Site Management Plan to govern post-remedial activity at the Site. The remedial requirements of the Modified Order do not apply to that portion of the Site known as the "Duke Energy Parcel."

V. Site Management Plan: 380 Development shall develop and implement a Site Management Plan to, among other things, monitor Site activities and conditions including groundwater, wetland vegetation planted as part of the wetland remediation work conducted by GATX, the integrity of the clean fill cap, and the structural integrity of fill areas.

VI. Independent Environmental Monitor: 380 Development shall engage and compensate an Independent Environmental Monitor ("IEM") as an independent contractor to oversee all activities at the Site conducted pursuant to the Engineering Work Plan and Site Management Plan until Department approval of the Construction Certification Report. 380 Development shall engage the IEM subject to the prior approval of the NYSDEC Regional Solid Materials Engineer. The IEM shall be subject to dismissal by the Department without cause. The IEM shall report directly to the Regional Solid Materials Engineer, as set forth in the Engineering Work Plan.

VII. Deed Restrictions:

A. Within 60 days of the effective date of this Modified Order, 380 Development shall record the Declaration attached hereto as Exhibit C, after inserting the missing information where indicated, in the property records maintained by the Clerk of Richmond County, for Richmond County tax block 1760 lot 1 and block 1835 lots 1, 50, 150, 300, 350, 400, 500 and 550.

B. No later than 14 days from the effective date of this Modified Order, 380 Development shall submit the Declaration, including all attachments, in the manner intended for filing to the Department, Attn: Udo M. Drescher, for review and approval.

C. Within 60 days of the effective date of this Modified Order, 380 Development must submit proof that the Declaration was so recorded to the Department, Attn.: Regional Attorney.

VIII. Financial Assurance: 380 Development shall provide financial assurance in the form of a Corporate Guarantee, consistent with Department guidance, to provide for the completion of all Site remediation and monitoring pursuant to this Modified Order. Such Guarantee shall be submitted to the Department no later than 30 days from the effective date of this Order.

IX. Permits: 380 Development shall apply for any required NYSDEC permits for future work on the Site to be conducted by, or on behalf of, 380 Development and obtain them before doing any such work.

X. Stormwater Management: Site stormwater management shall be governed by the individual State Pollutant Discharge Elimination System permit in effect for the Site (the "SPDES Permit"). 380 Development shall modify the SPDES Permit to account for changes in Site conditions and activities subject to the SPDES Permit.

XI. Access: Authorized representatives of NYSDEC shall be permitted access to the Site at any time, and to relevant records without prior notice during reasonable hours, at such times as may be desirable or necessary in order to inspect and determine the status of the Site. Department staff shall, when present at the Site, reasonably cooperate with the respondents' health and safety and operational requirements and policies; provided, however, that nothing in the Modified Order shall be construed as limiting Department staff's powers as otherwise provided for by law and shall not result in Department staff's being less protected than he or she would be if he or she were to abide by state and federal health and safety requirements.

XII. Indemnification: 380 Development shall indemnify and hold harmless New York State, NYSDEC, and any of their employees, agents or contractors for all claims, actions, damages and costs resulting from 380 Development's acts in fulfillment or attempted fulfillment of the provisions of the Modified Order by 380 Development and/or any of 380 Development's directors, officers, employees, servants, agents, successors, and assigns.

XIII. Reservation of Rights: The Department reserves the right to require 380 Development to take any additional measures required by law to protect human health and the environment.

XIV. Communications and Submissions:

A. All communications to the Department regarding the Modified Order shall be submitted by United States Postal Service, private courier service, hand delivery, fax delivery, or e-mail to Regional Director (or his/her designee), NYSDEC Region 2, 47-40 21st Street, Long Island City, New York, 11101.

B. Each submission required under the Modified Order shall be sent to the appropriate lead program staff, or his/her designee, in hard copy form and, separately, in electronic PDF form (which may be on CD-ROM or another agreed-upon medium). Such submissions shall be transmitted by United States Postal Service, private courier service, or hand delivery; or, in the case of the electronic copy, by e-mail. Appropriate lead program staff: Samsudeen Arakhan (Division of Solid and Hazardous Materials), Jane O'Connell (Division of

Environmental Remediation), Sebastian Zacharias (Division of Water), and Stephen Zahn (Division of Natural Resources).

C. All communications to 380 Development regarding the Modified Order shall be submitted by United States Postal Service, private courier service, hand delivery, fax delivery, or e-mail to:

380 Development, LLC
c/o Staten Island Marine Development, LLC
201 Edward Curry Ave., Ste. 108
Staten Island, NY 10314

With copies to:

380 Development, LLC
c/o Staten Island Marine Development, LLC
4570 Westgrove Drive, Ste. 240
Addison, TX 75001
Attn.: Rick Redle - Managing Director

Stephen L. Gordon, Esq.
Beveridge & Diamond, P.C.
477 Madison Avenue, 15th Floor
New York, NY 10022-5835

D. All communications to GATX SI, Inc. regarding the Modified Order shall be submitted by United States Postal Service, private courier service, hand delivery, fax delivery, or e-mail to Manatt, Phelps & Phillips, LLP, 7 Times Square, New York, New York, 10036, Attn: Benjamin E. Wolff; twolff@manatt.com.

E. The parties may designate additional or different addressees for communications, submissions or written notice.

F. 380 Development is responsible for the content of any submissions made pursuant to the Modified Order. Submission of a required certification by 380 Development under the Modified Order shall be considered an affirmative representation by 380 Development of the truth of its contents. Any false statement made therein may be punishable under Section 210.45 of the New York State Penal Law, and as may be otherwise authorized by law.

XV. Determination of Compliance and Enforcement of Violations: Whether 380 Development has complied with the terms of the Modified Order will be the sole determination of the Department. Any violation of the Modified Order is enforceable under ECL § 71-1929, with penalties of up to $37,500 per day, per violation. The Department reserves the right to enforce any violation through legal action and/or termination of the Modified Order without notice. The Department shall not unreasonably withhold a determination of compliance with the terms of the Modified Order upon a demonstration of compliance by 380 Development.

XVI. Entire Agreement: No informal advice, guidance, suggestions, plans, schedules or any other writing submitted by 380 Development shall be construed as relieving 380 Development of obligations to obtain such formal approvals as may be required by the Modified Order. No changes or modifications to the Modified Order shall be binding upon the Department unless such changes are authorized in writing by the NYSDEC Region 2 Director.

XVII. Miscellaneous:

A. The Department shall have the right to obtain split samples, duplicate samples, or both, of all substances and materials sampled by 380 Development; and the Department also shall have the right to take its own samples. However, in the event the Department takes its own samples, 380 Development shall have the right to obtain split samples, duplicate samples or both, at its sole discretion. The parties shall make available to each other the results of all sampling and/or tests or other data generated with respect to implementation of the Modified Order.

B. 380 Development and its successors and assigns shall be bound by the Modified Order. Any change in ownership or corporate structure or status of 380 Development including, but not limited to, any transfer of assets or real or personal property in whole or in part shall in no way alter 380 Development's obligations under the Modified Order. 380 Development shall notify the Department no less than thirty days before any change in its ownership or corporate structure or status. The Department reserves the right to terminate the Modified Order in the event of a change in the ownership of 380 Development. The Department shall not unreasonably terminate the Modified Order based on a proposed sale or conveyance. 380 Development shall cause its officers, directors, employees, servants, agents, contractors and subcontractors to comply with the relevant provisions of the Modified Order, and 380 Development shall be solely responsible for ensuring that its employees, servants, agents, contractors and subcontractors perform the work in satisfaction of the requirements of the Modified Order.

C. Should 380 Development sell, transfer, or otherwise convey the Site, any portion thereof, or any ownership or controlling interest therein, it shall impose its obligations under the Modified Order and Site Management Plan on the purchaser, successor, or assign by contract; and shall, not less than thirty days prior to closing (if a proposed sale) or consummation (if another applicable proposed conveyance), notify the Department in writing of the identity of the transferee and of the nature and date of the proposed conveyance. In advance of such proposed conveyance, 380 Development shall notify the transferee in writing, with a copy to the Department, of the applicability of the Modified Order. 380 Development shall submit to NYSDEC a copy of any contract of sale of the premises or of a controlling interest therein within five days of execution. The provisions of this Paragraph, the Modified Order and the documents incorporated herein shall not be deemed to restrict the construction and operation of natural gas pipeline facilities by Texas Eastern Transmission, LP under the New Jersey-New York Expansion Project upon its receipt of a Certificate of Public Convenience and Necessity from the Federal Energy Regulatory Commission under the Natural Gas Act and a Clean Water Act Section 401 Water Quality Certification by the Department, provided the construction will substantially follow the drawing prepared by Spectra Energy, Texas Eastern Transmission, LP, labeled "NJ-NY Expansion Project, Overlay of NYSDEC Consent Order, File No. D2-0001-98-

01-02," electronically submitted by Clifford B. Case on September 19, 2011, a reduced copy of which is attached hereto as Exhibit D; and to the extent the construction and operation will occupy land outside existing easements held by TETCO and IMTT the proponent will have to demonstrate the necessity for constructing the pertinent sections of the pipeline outside those existing easements.

D. The paragraph headings set forth in this Modified Order on Consent are included for convenience of reference only and shall be disregarded in the construction and interpretation of any of the provisions of the Modified Order.

E. Except as the parties may both otherwise approve, in the event of an inconsistency between the provisions of the Modified Order and any term, condition or provision contained in any other agreement between 380 Development, or its representative, and the Department, the term, condition or provision contained in the Modified Order shall control.

F. Notwithstanding anything to the contrary in the Modified Order, 380 Development shall not be deemed in breach of the Modified Order due to an unforeseeable disaster arising exclusively from natural causes which the exercise of ordinary human prudence could not have prevented, a war, hostilities, an invasion, an embargo, a blockade, an epidemic, an insurrection, a riot, mob violence, malicious mischief, sabotage, an injunction, or other similar cause beyond the control of 380 Development and not caused by the action, omission or delay of 380 Development; provided that 380 Development shall have notified the Department in writing not later than five days after 380 Development had actual notice of the occurrence which has the effect of delaying the performance of any obligation under the Modified Order, which delay shall be deemed reasonable only so long as 380 Development shall be using reasonable efforts to minimize the effects thereof. 380 Development shall include in such notice the measures taken and to be taken by 380 Development to prevent or minimize any delay, and shall request an appropriate extension or modification of the Modified Order. Failure to give such notice within such five-day period constitutes a waiver of any claim that a delay is not subject to penalties. 380 Development shall have the burden of proving that an event is a defense to compliance with the Modified Order.

G. Until such time as GATX SI, Inc. has completed the Wetlands Remediation Work, GATX SI, Inc., NYSDEC, and 380 Development shall consult with and cooperate with the other parties to this Modified Order with respect to any activities that do or may reasonably be expected to affect or otherwise concern the Wetlands Remediation Work.

H. This Modified Order shall become effective on the date it is signed on behalf of NYSDEC.

DATED: Long Island City, New York
September 17, 2013

JOSEPH J. MARTENS
Commissioner, NYSDEC

By: _____
VENETIA A. LANNON
Regional Director
NYSDEC - Region 2

CONSENT BY RESPONDENT

GATX SI, INC. hereby consents to the issuing and entering of this Modified Order on Consent, waives its right to a hearing herein as provided by law, and agrees to be bound by the terms, conditions and provisions contained in the Modified Order.

GATX SI, INC.

By: _____

Print name: Marland Webb

Title: Vice President and Secretary-Treasurer

Date: September 17, 2013

ACKNOWLEDGMENT

STATE OF Illinois)
ss:
COUNTY OF Cook)

On the 17th day of September, in the year 2013, before me, the undersigned, personally appeared Marland O. Webb personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me, that he/she executed this Order on Consent as authorized by GATX SI, INC.

_____
NOTARY PUBLIC

OFFICIAL SEAL
ANNA ELIOPOULOS
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:11/28/15

CONSENT BY RESPONDENT

380 DEVELOPMENT, LLC hereby consents to the issuing and entering of this Modified Order on Consent, waives its right to a hearing herein as provided by law, and agrees to be bound by the terms, conditions and provisions contained in the Modified Order.

380 DEVELOPMENT, LLC

By: Ritchie G Studer

Print name: Ritchie G Studer

Title: Authorized Agent

Date: September 16, 2013

ACKNOWLEDGMENT

STATE OF Texas)
ss:
COUNTY OF Dallas)

On the 16TH day of September, in the year 2013, before me, the undersigned, personally appeared Ritchie G Studer, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me, that he/she executed this Order on Consent as authorized by 380 Development, LLC.

Laura G. Fischer
NOTARY PUBLIC

LAURA G. FISCHER
Notary Public, State of Texas
My Commission Expires
May 07, 2017

Proposed Sampling and Analysis – Soil and Recyclable Materials
Engineering Work Plan for Placement of Surface Cover Material
380 Development Site
Staten Island, New York

The sampling and analysis for Recycled Concrete Aggregate (RCA) that does not meet DOT specifications and clean soil backfill materials from various suppliers proposed for use at the 380 Development Site, is to be conducted in accordance with the following general testing guidelines, analytical requirements and procedures. The following procedures were primarily developed to ensure Construction Quality Assurance (CQA) and Construction Quality Control (CQC) of the materials in order to address specific requirements outlined in the New York State Department of Environmental Conservation (NYSDEC)-approved Engineering Work Plan for the 380 Development Site.

MATERIAL TRACKING AND MANAGEMENT:

- Soil material from excavation projects is preferably characterized in-place through pre-excavation soil boring program. Please follow the sampling frequency guidelines contained in this document to ensure sufficient samples are collected to represent the excavation material and to cover the sample frequency requirements in this document. Also, these samples should be analyzed for the parameters contained in this document.
- Material that is not pre-characterized, for example recycled materials, which is proposed for the 380 Development Site is to be segregated into separate approximately 1,000 CY stockpiles by type and category, as applicable, in preparation for visual inspection, sampling and subsequent management for shipment, if approved. Material will be segregated into 1,000 CY piles for sampling purposes first, up to 5,000 cubic yards of material. For sampling of the next 10,000 CY of material (5,000 to 15,000), the material would be segregated into 2,500 CY piles. After 15,000 CY of material have been sampled, the material would be accumulated in 10,000 CY piles. Larger stockpiles or segregated stockpiles may be considered as long as the sampling protocol identified below can be implemented and tracked, and an excavator is available to allow for sample collection into the stockpile.
- Each stockpile should be flagged with appropriate identification (Example: 380 Spec. Pile 1, etc.) and the same is to be used on tracking logs, sampling/testing chain-of-custodies, and bill of ladings. The proposed materials, and any other materials located at the suppliers/generators facility should be segregated and identified appropriately for visual inspection by the 380 Development Site's representatives, Certifying Engineer/representatives, and/or the NYSDEC's Independent Environmental Monitor (IEM)/representatives.
- The material shall not include cinders, wood chips, ash, organic material (wood roots, peat) or historic fill type materials. The material should not contain any Resource Conservation and Recovery Act (RCRA) waste or be associated with a site that generates or disposes of a RCRA waste.
- Upon approval, each load of material delivered to the Site shall be accompanied by a Bill of Lading with the following information: name of Supplier, material description, quantity

and any other pertinent information. A Clean Fill Certification from the Supplier shall be provided for all materials planned for delivery and shall be forwarded to the 380 Development Site's representative for review prior to shipping the materials. All material delivery scheduling and tracking activities are to be coordinated with the 380 Development Site's representative.

CHEMICAL SAMPLING PARAMETERS AND FREQUENCY:

- Each sample is to be analyzed for Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), Polychlorinated Biphenyls (PCBs), Pesticides, Metals, Cyanide and Total Organic Carbon per the attached methods. If bulk concentrations are detected above Protection of Groundwater Soil Cleanup Objectives (SCOs), the specific constituent is subject to analysis of the Synthetic Precipitation Leaching Procedure (SPLP) leachate.
- Additionally, samples are to be analyzed for Hexavalent Chromium by Method 7196A/1312, and Mercury by Method 7473/7470/1312, for totals and, if necessary, for SPLP.
- For Polycyclic Aromatic Hydrocarbons (PAHs) in the SVOC list, the NYSDEC requested that where analysis of PAHs by SPLP is required (e.g., bulk concentrations above Protection of Groundwater SCOs), EPA Method 610 with a Reporting Limit (RL) of 0.05 ug/l is to be used. A request has been made to the NYSDEC to use Method SW846 8270D SIM (8270D SIM) which has lower detection limits for PAHs. Plan to meet the Reporting Limit of 0.05 ug/l Practical Quantitation Limits (PQL).
- Sampling and analysis for Toxicity Characteristic Leaching Procedure (TCLP) and RCRA characteristics are to be conducted at a frequency of 1 per 36,000 CY as listed in the attached Table 1 – CQA Plan.
- NYSDOH ELAP certified laboratories are to be used for all analyses.
- Specific analytical parameters and references to analytical methods are listed in Table 1 – from the Site CQA Plan (Table 1 is attached).

CHEMICAL SAMPLING METHODOLOGY:

- A total of five (5) discrete random grab samples are to be collected and composited into one (1) sample for non-VOC analysis. One (1) discrete grab sample is to be collected for VOC analysis from one of the five discrete grab locations.
- Sample jars shall be filled in order of necessity per NYSDEC requirements (e.g., VOCs first, SVOCs next, etc.).
- Field screening of each sample location is to be conducted both visually and with a photo-ionization detector (PID). Any visual evidence of potential impacts is to be used to bias the sampling to those locations. A photograph of each sample location, with a grid drawing of the material stockpile and the sample locations, must be provided.
- When sampling stockpiled materials, appropriate procedures and equipment are to be employed to obtain representative samples from various locations within the stockpile based on its height/depth. A grid drawing identifying sample locations and height/depth in the stockpile, and a calculation sheet for estimating the volume of material are to be provided for each stockpile.

- Representative discrete grab samples are to be collected from designated material stockpiles/staged locations. For sampling of non-soil matrix type materials, it is suggested that discrete grab samples be collected that are representative of the materials based on both visual evidence and the particle size of the materials, (i.e., appropriate percentage of fines representative of the material). Any larger sized particles (particles greater than the No. 200 mesh sieve) captured within the grabs should be reduced in particle size (1/2-1/4") as appropriate to fit the sampling containers as well as to ensure that the sample is representative of the material/medium sampled when analyzed at the lab. If there are certain grain size specifications that must be achieved, a mixture of grain sizes less than the No. 200 sieve and more than the No. 200 sieve shall be weighed and combined into a single aliquot at the requisite specification percentages (e.g., >90% sand or less than 10% fines) for eventual makeup of the composite sample. Weights and material percentages for all samples shall be reported with the analytical results.
- Appropriate quality assurance and quality control samples including blind duplicates, equipment rinseate blanks, matrix spike and matrix spike duplicate samples, and trip blanks for VOCs are to be collected for each sampling program.
- Sampling to be conducted in accordance with NYSDEC DER-10.

CHEMICAL SAMPLING FREQUENCY:

- Samples shall be collected at the frequencies noted below:

Material Quantity (Cubic Yards)	**Number of Discrete Samples for VOCs**	**Number of Composite Samples for SVOCs, Inorganics, PCBs & Pesticides**
0 – 1,000	Up to 7 (per DER 10)	Up to 2 (per DER 10)
1,000 – 5,000	2 per 1,000 CY	1 per 1,000 CY
5,000 – 15,000	2 per 2,500 CY	1 per 2,500 CY
> 15,000	2 per 10,000 CY	1 per 10,000 CY

- For TCLP and RCRA characteristic testing: 1 per 36,000 CY.
- Number of samples per material quantity is also listed in Table 1 – CQA Plan.

CHEMICAL ANALYSIS REPORTING:

- Analytical results are to be summarized in a format as shown in the attached Excel data summary table template. A table with comparison of the data to the applicable NYSDEC 6 NYCRR Part 375 Standards is to be provided as shown in the attached exceedance summary template. The laboratory detection limit for each constituent is to be listed in the summary table and must be below the applicable SCO. SPLP analytical results, where required, shall be compared to the Class GA Groundwater Quality Standards or to the TOGs 1.1.1 criteria if no Groundwater Quality Standard is available.
- Provide a grid drawing/sketch of the stockpile with sample locations shown and provide photographs of each sample location.
- The analytical data shall be provided in Electronic Data Deliverable format including Excel for entry into EQuIS. An example Excel file can be provided upon request.

- Per the QAPP, a full laboratory deliverable ASP Category A with QA/QC package is to be provided.

GEOTECHNICAL PARAMETERS AND FREQUENCY:

- The EWP requires geotechnical testing at a comprehensive testing frequency. For RCA and soils geotechnical testing will still be performed but at a reduced frequency and testing protocol.
- For the subject material the supplier-provided sieve analyses of the proposed three (3) Recycled Concrete Aggregate (RCA) materials and these are included as Attachment 1. A summary of the sieve analyses is provided below:

Diam./Sieve Size	Sieve Analysis – Percent Passing		
Matl. Desc.:	Blend 1	Blend 2	Blend 3
4 in.			
3 in.			
2 in.			
1/4 in.			
No. 16			
No. 50			
No. 200			

- Based on a comparison of the above results with the NYDOT Table 733.04A (Subbase Gradation), proposed RCA materials are in the range of Type 1 to Type 3 subbase. However, for RCA materials with up to 10% fines (i.e., passing the No. 200 sieve), and with particle sizes greater than sand but less than 3-inches, the following testing is proposed at a frequency of one grab sample per 1,000 CY of stockpiled material from the first 3,000 CY for each type of RCA material:
    - Relative density (ASTM D4253/D4254) or Modified Proctor (ASTM D1556); and,
    - Direct shear (ASTM D3080) using a 12-inch box, if possible;

A final package with the above testing and analysis result is to be provided to the 380 Site representative for review and submission to the NYSDEC. Consult with the 380 Representative regarding any additional geotechnical testing requirements that may be necessary.

A 380 Representative and the IEM shall be present for all sampling activities, and they may collect split samples.

APPENDIX 8B

380 DEVELOPMENT, LLC ANALYTICAL REQUIREMENTS

380 Development, LLC Analysis Lis

Analysis	EPA Method	Less than 1,000 cubic yards (cu yds) Sampling Frequency	1,000 to 5,000 cu yds Sampling Frequency	1,000 to 15,000 cu yds Sampling Frequency	Greater than 15,000 cu yds Sampling Frequency
VOCs	8260B	7 grab samples	2 per 1,000 cu yds	2 per 2,500 cu yds	2 per 10,000 cu yds
SVOCs	8270B	2 composite samples	1 composite per 1,000 cu yds	1 composite per 2,500 cu yds	1 composite per 10,000 cu yds
Pesticides	8281				
Herbicides	8151A				
Metals	6010				
PCBs	8081				
Ignitability	1010A or 1020B	1 composite per 36,000 cu yds	1 composite per 36,000 cu yds	1 composite per 36,000 cu yds	1 composite per 36,000 cu yds
Reactivity	9012B and 9034				
pH (corrosivity)	9040C or 1110A				
TCLP VOCs	8260B				
TCLP SVOCs	8270B				
Pesticides	8281				
Herbicides	8151A				
Metals	6010				
PCBs	8081				

TCLP- Toxicity Characteristics Leaching Procedure
VOC - Volatile Organic Compounds
SVOCs - Semi-Volatile Organic Compounds
PCBs - Polychlorinated biphenyls

APPENDIX 8C

380 DEVELOPMENT, LLC ACCEPTANCE LIMITS

MATERIAL ACCEPTANCE CRITERIA SUMMARY
BUD/FAS
SURFACE COVER INSTALLATION
380 DEVELOPMENT SITE
STATEN ISLAND, NY

Constituent	Commercial Soils/Sediments/ Recyclables mg/kg	Industrial Soils/Sediments/ Recyclables mg/kg	Protection of Ecological Resources[2] Soils/Sediments/ Recyclables mg/kg	Protection of Groundwater Groundwater Soils/Sediments/ Recyclables mg/kg	Class GA Groundwater Criteria SPLP Material Leachate ug/l
Volatiles					
1,1,1-Trichloroethane	500 b	1,000 c	0.68	0.68	5
1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	5
1,1,2-Trichloroethane	NS	NS	NS	NS	1
1,1-Dichloroethane	240	480	0.27	0.27	5
1,1-Dichloroethene	500 b	1,000 c	0.33	0.33	5
1,2-Dichlorobenzene	500 b	1,000 c	1.1	1.1	3
1,2-Dichloroethane	30	60	10	0.02 j	0.6
cis-1,2-Dichloroethene	500 b	1,000 c	0.25	0.25	5
trans-1,2-Dichloroethene	500 b	1,000 c	0.19	0.19	5
1,3-Dichlorobenzene	280	560	2.4	2.4	3
1,4-Dichlorobenzene	130	250	20	1.8	3
1,2-Dichloropropane	NS	NS	NS	NS	1
1,2 Dibromo-3-chloropropane	NS	NS	NS	NS	0.04
1,3-Dichloropropene	NS	NS	NS	NS	0.4
1,4-Dioxane	130	250	0.1 e	0.1 e	NS
Acetone	500 b	1,000 c	2.2	0.05	NS
Acrolein	NS	NS	NS	NS	5
Acrylonitrile	NS	NS	NS	NS	5
Benzene	44	89	70	0.06	1
Bromomethane	NS	NS	NS	NS	5
Butylbenzene	500 b	1,000 c	NS	12	5
Carbon Disulfide	NS	NS	NS	NS	60
Carbon tetrachloride	22	44	0.76	0.76	5
Chlorobenzene	500 b	1,000c	40	1.1	5
Chloroethane	NS	NS	NS	NS	5
Chloroform	350	700	12	0.37	7
Chloromethane	NS	NS	NS	NS	5
Ethylbenzene	390	780	1	1	5
Hexachlorobenzene	6	12	0.33 k	3.2	0.04
Methyl ethyl ketone	500 b	1,000 c	100 a	0.12	NS
Methyl tert-butyl ether	500 b	1,000 c	0.93	0.93	NS
Methylene chloride	500 b	1,000 c	12	0.05	5
n-Propylbenzene	500 b	1,000 c	3.9	3.9	5
sec-Butylbenzene	500 b	1,000 c	11	11	5
tert-Butylbenzene	500 b	1,000 c	5.9	5.9	5
Styrene	NS	NS	NS	NS	5
Tetrachloroethene	150	300	2	1.3	5
Toluene	500 b	1,000 c	36	0.7	5
Trichloroethene	200	400	2	0.47	5
1,2,4-Trimethylbenzene	190	380	3.6	3.6	5
1,3,5-Trimethylbenzene	190	380	8.4	8.4	5
Vinyl chloride	13	27	0.02	0.02	2
m,p-Xylenes	NS	NS	NS	NS	5
o-Xylene	NS	NS	NS	NS	5
Xylene (mixed)	500 b	1,000 c	0.26	1.6	5
Semivolatiles					
1,1'-Biphenyl	NS	NS	NS	NS	5
1,2,4-Trichlorobenzene	NS	NS	NS	NS	5
2,4-Dichlorophenol	NS	NS	NS	NS	1
2,4-Dimethylphenol	NS	NS	NS	NS	1
2,4-Dinitrophenol	NS	NS	NS	NS	1
2,4-Dinitrotoluene	NS	NS	NS	NS	5
2,6-Dinitrotoluene	NS	NS	NS	NS	5
2-Nitroaniline	NS	NS	NS	NS	5
3,3'-Dichlorobenzidine	NS	NS	NS	NS	5
Acenaphthene	500 b	1,000 c	20	98	NS
Acenaphthylene	500 b	1,000 c	100 a	107	NS
Anthracene	500 b	1,000 c	100 a	1,000 c	NS
Atrazine	NS	NS	NS	NS	7.5
Benzidine	NS	NS	NS	NS	5
Benzo(a)anthracene	5.6	11	1.1	1.1	NS
Benzo(a)pyrene	1.1	1.1	2.6	22	ND
Benzo(b)fluoranthene	5.6	11	1.1	1.7	NS
Benzo(g,h,i)perylene	500 b	1,000 c	100	1,000 c	NS
Benzo(k)fluoranthene	56	110	0.81	1.7	NS
Bis(2-Chloroethyl)Ether	NS	NS	NS	NS	1
Bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	5
Chrysene	56	110	1 cc	11	NS
Dibenz(a,h)anthracene	0.56	1.1	0.33 k	1,000 c	NS
Di-n butylphthalate	NS	NS	NS	NS	50
Fluoranthene	500 b	1,000 c	100	1,000 c	NS
Fluorene	500 b	1,000 c	30	386	NS
Hexachlorobutadiene	NS	NS	NS	NS	0.5
Hexachlorocyclopentadiene	NS	NS	NS	NS	5
Hexachloroethane	NS	NS	NS	NS	5
Indeno(1,2,3-cd)pyrene	5.6	11	0.51	8.2	NS

MATERIAL ACCEPTANCE CRITERIA SUMMARY
BUD/FAS
SURFACE COVER INSTALLATION
380 DEVELOPMENT SITE
STATEN ISLAND, NY

	Commercial	Industrial	Protection of Ecological Resources[1]	Protection of Groundwater Groundwater	Class GA Groundwater Criteria
	Soils/Sediments/ Recyclables	Soils/Sediments/ Recyclables	Soils/Sediments/ Recyclables	Soils/Sediments/ Recyclables	SPLP Material Leachate
Constituent	mg/kg	mg/kg	mg/kg	mg/kg	ug/l
m-Cresol	500 b	1,000 c	0.33 k	0.33 e	NS
Naphthalene	500 b	1,000 c	12	12	NS
Nitrobenzene	NS	NS	NS	NS	0.4
o-Cresol	500 b	1,000 c	0.33 k	0.33 e	NS
p-Cresol	500 b	1,000 c	0.33 k	0.33 e	NS
Pentachlorophenol	6.7	55	0.8 e	0.8 e	1
Phenanthrene	500 b	1,000 c	100	1,000 c	NS
Phenol	500 b	1,000 c	30	0.33 e	1
Pyrene	500 b	1,000 c	100	1,000 c	NS
PCBs/Pesticides					
2,4,5-TP Acid (Silvex)	500b	1,000c	3.8	3.8	35
4,4'-DDE	62	120	0.0033 e	17	0.2
4,4'-DDT	47	94	0.0033 e	136	0.2
4,4'-DDD	92	180	0.0033 e	14	0.3
Aldrin	0.68	1.4	0.14	0.19	NS
alpha-BHC	3.4	6.8	0.04 g	0.02	0.01
beta-BHC	3	14	0.6	0.09	0.04
Chlordane (alpha)	24	47	1.3	2.9	0.05
delta-BHC	500 b	1,000 c	0.04 g	0.25	0.04
Dibenzofuran	350	1,000 c	7	210	NS
Dieldrin	1.4	2.8	0.006	0.1	0.004
Endosulfan I	200 i	920 i	2.4	102	NS
Endosulfan II	200 i	920 i	2.4	102	NS
Endosulfan sulfate	200 i	920 i	2.4	1,000 c	NS
Endrin	89	410	0.014	0.06	NS
Heptachlor	15	29	0.14	0.38	0.04
Heptachlor Epoxide	NS	NS	NS	NS	0.03
Lindane	9.2	23	6	0.1	NS
Methoxychlor	NS	NS	NS	NS	35
Toxaphene	NS	NS	NS	NS	0.06
Polychlorinated biphenyls	1	25	1	3.2	0.09
Metals/Inorganics					
Antimony	NS	NS	NS	NS	3
Arsenic	16 f	16 f	13 f	16 f	25
Barium	400	10,000 d	433	820	1000
Beryllium	590	2,700	10	47	NS
Cadmium	9.3	60	4	7.5	5
Chromium, hexavalent h	400	800	1 e	19	50
Chromium, trivalent h	1,500	6,800	41	NS	50
Copper	270	10,000 d	50	1,720	200
Total Cyanide h	27	10,000 d	27	40	200
Lead	1,000	3,900	63 f	450	25
Manganese	10,000 d	10,000 d	1600 f	2,000 f	300
Total Mercury	2.8 j	5.7 j	0.18 f	0.73	0.7
Nickel	310	10,000 d	30	130	100
Selenium	1,500	6,800	3.9 f	4 f	10
Silver	1,500	6,800	2	8.3	50
Zinc	10,000 d	10,000 d	109 f	2,480	NS

1 - Ecological Standard or Unrestricted Standard where No Standard is specified

All soil cleanup objectives (SCOs) are in parts per million (ppm). NS = Not specified See Technical Support Document (TSD) Footnotes

a The SCOs for residential, restricted residential, ecological resources, and unrestricted use were capped at a maximum value of 100 ppm See TSD section 9.3

b The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3

c The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm See TSD section 9.3

d The SCOs for metals were capped at a maximum value of 10,000 ppm See TSD section 9.3.

e For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the SCO value

f For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site

g This SCO is derived from data on mixed isomers of BHC

h The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this specific SCO contaminant is below the specific SCO.

i This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate

j This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See TSD Table 5.6-1

k For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value.

l For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.

APPENDIX 9

GLOUCESTER COUNTY LANDFILL

APPENDIX 9A

GLOUCESTER COUNTY LANDFILL PERMIT

State of New Jersey

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

MAIL CODE 401-02C
ROBERT M. CONFER, BUREAU CHIEF
BUREAU OF LANDFILL AND HAZARDOUS WASTE PERMITTING
SOLID AND HAZARDOUS WASTE MANAGEMENT PROGRAM
ENVIRONMENTAL MANAGEMENT
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
P.O. BOX 420 401 EAST STATE STREET
TRENTON, NJ 08625-0420
TELEPHONE: (609) 984-6985 TELECOPIER: (609) 633-9839
http://www.state.nj.us/dep/dshw/permitting.htm

BOB MARTIN
Commissioner

SOLID WASTE FACILITY PERMIT

Under the provisions of N.J.S.A. 13:1E *et seq.* known as the Solid Waste Management Act, this permit is hereby issued to:

GLOUCESTER COUNTY IMPROVEMENT AUTHORITY
GLOUCESTER COUNTY SOLID WASTE COMPLEX

Facility Type:	Class I Sanitary Landfill
Block:	9
Lots:	1-3, a portion of 4, 5.01, 9-13, 17-21, and 29
Municipality:	South Harrison Township
County:	Gloucester County
Facility ID No.:	132199
Permit No.:	LOP100003

This permit is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection.

This permit shall not prejudice any claim the State may have to riparian land nor does it allow the registrant to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be riparian, wetlands, stream encroachment or flood plains, or within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits, or approvals from the Department of Environmental Protection.

April 20, 2012
Issuance Date

Robert M. Confer, Chief
Bureau of Landfill and Hazardous Waste Permitting

April 20, 2017
Expiration Date

APPENDIX 9B

GLOUCESTER COUNTY LANDFILL ANALYTICAL REQUIREMENTS

Gloucester County Landfill Analysis List

Analysis	EPA Method	Sampling Frequency
TCLP VOC	8260B	5 point composite per 1000 cubic yards
TCLP SVOC	8270B	
TCLP Pesticide	8281	
TCLP Herbicide	8151A	
TCLP Metals	6010	
PCBs	8081	
Ignitability	1010A or 1020B	
Reactivity	9012B and 9034	
pH (corrosivity)	9040C or 1110A	

TCLP- Toxicity Characteristics Leaching Procedure

APPENDIX 9C

GLOUCESTER COUNTY LANDFILL ACCEPTANCE LIMITS

Material Acceptance Limits: Gloucester County Landfill

Contaminant	EPA Waste #	Level (mg/L)
Arsenic	D004	5
Barium	D005	100
Cadmium	D006	1
Chromium	D007	5
Chromium CR + 6	D007	5
Lead	D008	5
Mercury	D009	0.2
Selenium	D009	1
Silver	D011	5
Benzene	D018	0.5
Carbon Tetrachloride	D019	0.5
Chlordane	D020	0.03
Chlorobenzene	D021	100
Chloroform	D022	6
o-Cresol	D023	200
m-Cresol	D023	200.00**
p-Cresol	D025	200.00**
Cresol	D026	200.00**
2,4 D	D016	10
1,4 Dichlorobenzene	D027	7.5
1,2 Dichlorobenzene	D028	0.5
1,1 Dichlorobenzene	D029	0.7
2,4 Dichlorobenzene	D030	0.13*
Endrin	D012	0.02
Heptachlor (and its epoxide)	D031	0.008
Hexachlorobenzene	D034	3
Hexachlorobutadiene	D033	0.5
Hexachloroethane	D034	3
Lindane	D013	0.4
Methoxychlor	D014	10
Methyl Ethyl Ketone	D035	200
Nitrobenzene	D036	2
Pentachlorophenol	D037	100
Pyridine	D038	5.0 *
Tetrachloroethylene	D039	0.7
Toxaphene	D015	0.5
Trichloroethylene	D040	0.5
2,4,5-Trichlorophenol	D041	400
2,4,6-Trichlorophenol	D042	2
2,4,5-TP (Silvex)	D017	1
Vinyl chloride	D043	0.2
Igntability	D001	Flashpoint > 140°F
Reactivity	D003	Non reactive

pH (corosivity)	D002	$\leq$ 2.0 or $\leq$ 12.5

* Quantitation limit is greater than the calculated regulatory level.
The quantitation limit therefore becomes the regulatory level.
** If o-,m- and p-Cresol concentrations cannot be differentiated,
the total Cresol (D026) concentration is used. The regulatory level of total
Cresol is 200mg/L.
mg/L- milligrams per liter

APPENDIX 10

CLEAN EARTH OF PHILADELPHIA

APPENDIX 10A

CLEAN EARTH OF PHILADELPHIA PERMIT

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Permit
For
Solid Waste Disposal and/or Processing Facility
FORM NO. 8

Permit No. 301220
Date Issued December 18, 2012
Date Expired March 30, 2022

Under the provisions of the Pennsylvania Solid Waste Management Act of July 7, 1980, Act 97, a permit for a solid waste disposal and/or processing facility at (municipality) the City of Philadelphia in the County of Philadelphia is granted to (applicant) Clean Earth of Philadelphia, LLC

(address) 3201 South 61st Street

Philadelphia, PA 19153-3592

This permit is applicable to the facility named as Clean Earth of Philadelphia, LLC and described as:

Latitude - 39°, 55', 16"

Longitude - 75°, 12', 52"

This permit is subject to modification, amendment, and supplement by the Department of Environmental Protection (Department) and is further subject to revocation or suspension by the Department for any violation of the applicable laws or the rules and regulations adopted thereunder, for failure to comply in whole or in part with the conditions of this permit and the provisions set forth in the application No. 301220 which is made a part hereof, or for causing any condition inimical to the public health, safety, or welfare.

See Attachment for waste limitations and/or Special Conditions.

FOR THE DEPARTMENT OF
ENVIRONMENTAL PROTECTION

THIS PERMIT IS NON - TRANSFERABLE

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Permit
For
Solid Waste Disposal and/or Processing Facility
FORM NO. 8

Permit No. 301220
Date Issued December 18, 2012
Date Expired March 30, 2022

1. a. The Waste Management Permit issued on March 30, 2012, and described in Condition 1b below is reissued based upon application No. 301220 (APS No. 788037, AUTH No. 937951), which was received at the Southeast Regional Office of the Department of Environmental Protection (Department) on August 2, 2012. This permit is for the reissuance from "Clean Earth of Philadelphia, Inc.," to "Clean Earth of Philadelphia, LLC," a residual waste processing facility located at 73201 South 61st Street, Philadelphia, PA 19153, in the City of Philadelphia.

This approved reissuance application consists of the following documents (unless otherwise noted, received, and revised, refer to the dates documents were received by the Department and not necessarily the dates of the documents themselves):

Form GIF received on August 2, 2012
Form A received on August 2, 2012
Form B1 received on August 2, 2012
Form HW-C received on August 2, 2012
Form E received on August 2, 2012

The contents of all the above-listed documents are hereby incorporated in the permit as conditions with which the permittee must comply. Except as they may be modified or replaced herein (this reissuance permit), the permittee agrees to abide by the terms, conditions and the incorporated application documents of Solid Waste Permit No. 301220 (APS No. 699272, AUTH No. 801870 - for a ten (10) year permit renewal, APS No. 466428, AUTH No. 625339 - for major permit modification, and APS No. 466428, AUTH No. 717470 - for minor permit modification) that was renewed and modified to Clean Earth of Philadelphia, Inc. on March 30, 2012.

This reissuance permit is rewritten to incorporate and consolidate the following permit actions:

b. Except as modified or superseded by the application approved pursuant to Conditions 1a, above, the following reflects the still applicable portions of the original permit action that was taken on March 30, 2012:

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Permit
For
Solid Waste Disposal and/or Processing Facility
FORM NO. 8

Permit No. 301220
Date Issued December 18, 2012
Date Expired March 30, 2022

This Waste Management Permit is modified and renewed based upon applications No. 301220 (APS No. 699272, AUTH No. 801870) for a ten (10) year permit renewal, Application No. 301220 (APS No. 466428, AUTH No. 625339) for major permit modification, and Application No. 301220 (APS No. 466428, AUTH No. 717470) for minor permit modification of the facility. The major permit modification, the minor permit modification and the ten year permit renewal applications were received in the Southeast Regional Office of the Pennsylvania Department of Environmental Protection on March 1, 2006, March 19, 2008, and July 29, 2009, respectively.

The permit renewal is to continue operation of the facility located at 3201 South 61st Street in the City of Philadelphia. Also included in this permit renewal are a major permit modification to increase the daily maximum volume limitation and a minor permit modification to utilize certain commercially available soil drying agents or absorbent products to reduce moisture content of contaminated soil prior to processing at the facility.

This approved permit renewal application consists of the following documents (unless otherwise noted, received and revised refer to the dates documents were received by the Department and not necessarily the dates of the documents themselves):

Permit Renewal:

General Information Form received on July 29, 2009
Form A received on July 29, 2009, revised on August 20, 2009, May 13, 2010, April 20, 2011, and March 29, 2012
Form B received on July 29, 2009
Form B1 received on July 29, 2009
Form C1 received on July 29, 2009
Form D received on July 29, 2009, revised on May 13, 2010
Form E received on July 29, 2009
Form G(A) received on July 29, 2009
Form I received on July 29, 2009
Form L and the PPC Plan received on July 29, 2009, revised on May 13, 2010, April 20, 2011, and March 29, 2012

THIS PERMIT IS NON - TRANSFERABLE

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Permit
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FORM NO. 8

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Date Issued December 18, 2012
Date Expired March 30, 2022

Form P received on July 29, 2009, revised on May 13, 2010, April 20, 2011, May 19, 2011, November 15, 2011, and March 29, 2012
Form R received on July 29, 2009, revised on May 13, 2010, April 20, 2011, November 15, 2011, and March 29, 2012
Form X received on July 29, 2009, revised on March 29, 2012
Form 5R received on July 29, 2009, revised on May 13, 2010, April 20, 2011, and March 29, 2012
Form 18R received on July 29, 2009, revised on May 13, 2010, and April 20, 2011
Closure cost estimates for Bonding received on July 29, 2009, revised on May 13, 2010, April 20, 2011, May 19, 2011, and March 29, 2012
Form 23R received on July 29, 2009
Drawing D-001, Site Plan dated January 8, 2007, received on July 29, 2009, April 20, 2011, May 19, 2011, November 15, 2011, and March 29, 2012
Drawing D-001A, Alternate Processed Soils Storage Area Configuration, received on March 29, 2012
Drawing D-002, Process Building dated January 8, 2007, received on July 29, 2009, April 20, 2011, and May 19, 2011
Drawing D-003, Total Soil Storage Area dated April 18, 2011, received on April 20, 2011
Drawing A-1, Floor Plan dated September 12, 2003, received on July 29, 2009
Drawing A-2, Elevations dated September 12, 2003, received on July 29, 2009
Drawing A-3, Roof Plan & Sections dated September 12, 2003, received on July 29, 2009
Drawing S-1, Foundation & Processing dated September 12, 2003, received on July 29, 2009
Drawing S-2, Sections & Details dated September 12, 2003, received on July 29, 2009
Drawing 29390-D-010, Erosion Control Details dated January 20, 1999, received on July 29, 2009
Drawing 29390-012-D, Soil Storage Area dated January 1, 1998, received on July 29, 2009
Drawing 29390-D-015, Site Location Map dated January 20, 1999, received on July 29, 2009

The approved renewal application included responses to the Department's review letter of February 8, 2010, and December 22, 2010, received on May 13, 2010, April 20, 2011, May 19, 2011, November 15, 2011, and March 29, 2012, respectively, for the renewal application.

Major Permit Modification

Form GIF received on March 1, 2006
Form A received on March 1, 2006, and revised on April 1, 2008
Form C1 received on March 1, 2006, and revised on April 1, 2008

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

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FORM NO. 8

Permit No. 301220
Date Issued December 18, 2012
Date Expired March 30, 2022

Form D received on March 1, 2006, and revised on April 1, 2008
Traffic Study received on March 1, 2006, and revised on April 1, 2008
Form B received on April 1, 2008
Form P received on April 1, 2008
Form R received on April 1, 2008
Closure cost for bonding received on April 1, 2008
Drawing D-001, Site Plan dated January 8, 2007, received on April 1, 2008
Drawing D-002, Process Building dated January 8, 2007, received on April 1, 2008
Drawing A-1, Floor Plan dated September 12, 2003, received on April 1, 2008
Drawing A-2, Elevations dated September 12, 2003, received on April 1, 2008
Drawing A-3, Roof Plan & Sections dated September 12, 2003, received on April 1, 2008
Drawing S-1, Foundation & Processing dated September 12, 2003, received on April 1, 2008
Drawing S-2, Sections & Details dated September 12, 2003, received on April 1, 2008
Drawing 29390-D-010, Erosion Control Details dated January 20, 1999, received on April 1, 2008
Drawing 29390-D-015, Site Location Map dated January 20, 1999, received on April 1, 2008
Drawing 29390-012-D, Soil Storage Area dated January 1, 1998, received on April 1, 2008

The approved major permit modification application included responses to the Department's review letter of August 17, 2006, received on April 1, 2008, for the major permit modification application.

Minor Permit Modification:

Form GIF received on March 19, 2008, revised on April 21, 2009
Form A received on March 19, 2008, revised on April 21, 2009
Form B received on March 19, 2008, revised on April 21, 2009
Form HW-C received on March 19, 2008, revised on April 21, 2009
Form L, PPC Plan received on March 19, 2008, revised on April 21, 2009
Form P received on March 19, 2008, revised on January 12, 2009, and April 21, 2009
Form R received on March 19, 2008, revised on April 21, 2009
Drawing D-001, Site Plan dated January 8, 2007, received on April 21, 2009,
Drawing D-002, Process Building dated January 8, 2007, received on April 21, 2009
Drawing A-1, Floor Plan dated September 12, 2003, received on April 21, 2009
Drawing A-2, Elevations dated September 12, 2003, received on April 21, 2009
Drawing A-3, Roof Plan & Sections dated September 12, 2003, received on April 21, 2009

THIS PERMIT IS NON - TRANSFERABLE

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Permit
For
Solid Waste Disposal and/or Processing Facility
FORM NO. 8

Permit No. 301220
Date Issued December 18, 2012
Date Expired March 30, 2022

Drawing S-1, Foundation & Processing dated September 12, 2003, received on April 21, 2009
Drawing S-2, Sections & Details dated September 12, 2003, received on April 21, 2009
Drawing 29390-D-010, Erosion Control Details dated January 20, 1999, received on April 21, 2009
Drawing 29390-D-015, Site Location Map dated January 20, 1999, received on April 21, 2009
Drawing 29390-012-D, Soil Storage Area dated January 1, 1998, received on April 21, 2009

The approved minor permit modification included responses to the Department's review letter of November 13, 2008, received on April 21, 2009, for the minor permit modification application.

The contents of all the above-listed documents are hereby incorporated in this permit as conditions with which the permittee must comply. Where the terms or conditions of this permit differ from the above-referenced documents, the terms, or conditions of this permit shall apply. This permit replaces, in their entirety, the terms and conditions of all previous versions of Solid Waste Permit No. 301220.

(NOTE: For some of the forms listed above, the last revision includes a complete, comprehensive revision to the form or drawing that fully replaces previous versions or revisions. For other forms, the subsequent revisions may involve partial or component revisions that modify the previous version(s) without necessarily replacing those parts of the previous version(s) not specifically modified by the revision.)

2. Nothing in this permit shall be construed to supersede, amend, or authorize violation of, the provisions of any valid and applicable local law, ordinance, or regulation, provided that said local law, ordinance, or regulation is not pre-empted by the Pennsylvania Solid Waste Management Act, the Act of July 7, 1980, Act 97, 35, P.S. 6018.101 et seq.

3. As a condition of this permit, and of the permittee's authority to conduct the activities authorized by this permit, the permittee, hereby, authorizes and consents to allow authorized employees or agents of the Department, without advanced notice or a search warrant, upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas on which solid waste management activities are being or will be conducted. The authorization and consent shall include consent to collect samples of waste, water or gases, to take photographs, to perform measurements, surveys, and other tests, to inspect any monitoring equipment, to inspect the methods of operation, and to inspect and/or copy documents, books, or papers required by the Department to be maintained. This permit condition is referenced in accordance with Sections 608 and 610(7) of the Solid Waste Management Act, 35 P.S.

THIS PERMIT IS NON - TRANSFERABLE

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

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Sections 6018.608 and 6018.610(7). This condition in no way limits any other powers granted under the Solid Waste Management Act.

4. a. The facility is hereby permitted to store, transfer and process, by physical and/or thermal treatment technology certain solid wastes, as specifically approved in this permit, and Clean Fill Soils ("CFS"). The maximum amount of solid waste and CFS accepted at the facility shall not exceed 6,000 tons per day (tpd). Additionally, the permittee shall keep track of the daily total of trucks entering and exiting the facility such that no more than 480 truck trips (each time a vehicle enters and each time a vehicle exits the facility shall constitute a truck trip), including both loaded and empty trucks, enter, and/or depart the facility each day, until or unless a revised traffic impact study is submitted to and approved by the Department to address additional traffic volumes. On any given day, the permittee shall limit on-site operations to comply with the more restrictive of the 6,000 tpd limitation or the 480 truck trips per day traffic limitation, whichever is encountered first.

   b. CFS, as that material is defined by the Department's Management of Fill policy (Document No. 258-2182-773), shall only be managed at the facility pursuant to Section 2.2.1 of Form P, and the amounts of CFS received at the facility each day shall be counted towards the facility's 6,000 tpd maximum daily volume limitation and vehicle count limitation. Other than being counted towards the facility's maximum daily volume limitation and vehicle count limitation, as described above, and being included in the facility's recordkeeping requirements, as described in Conditions 8 and 9 of this permit, and the facility's operational procedures, as described in Section 2.2.1 of Form P, CFS is not otherwise subject to regulation pursuant to this permit unless its management at the facility creates or contributes to on- or off-site nuisances.

5. The permitted days and hours for acceptance of CFS and solid waste are Monday through Friday from 7 a.m. to 7 p.m. and Saturday from 7 a.m. to 12 noon. The facility's permitted days and hours of on-site operations are 24 hours per day, seven days per week except as may be otherwise limited by Air Management Plan Approvals or permits issued by the City of Philadelphia Air Management Services. Material acceptance may be extended due to extreme weather conditions in accordance with the following procedure. Prior to extending material acceptance operations, justification for such an extension must be mailed or faxed to the Waste Management Program Manager or his designee. Written concurrence that the extension is justifiable needs to be received by the permittee from the manager, or

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his designee, before extended operations may be implemented. All other requests to extend hours must be requested in advance of need and be approved, in writing, in advance by the Department.

6. a. Except for those residual wastes specifically approved in this permit, the facility may not accept other types of residual wastes unless the Department has specifically approved the processing and management of the residual waste as a part of this permit.

b. Hazardous waste may not be accepted, processed, or disposed at the facility.

c. Municipal waste, including construction/demolition waste, may not be accepted, processed, or disposed at the facility.

d. Special handling wastes may not be accepted, processed, or disposed at the facility unless the Department has specifically approved the processing and management of the waste as a part of the permit.

e. Biosolids that have been processed pursuant to a General Permit issued by the Department pursuant to 25 Pa. Code Chapter 271, Subchapter J, and that meet a Class A or Class B pathogen requirement may be accepted and further processed at this facility provided that said acceptance and processing is also conducted pursuant to Bureau of Waste Management General Permit No. WMGR074 issued pursuant to 25 Pa. Code Chapter 271, Subchapter I; or Chapter 287, Subchapter H, subject to any additional limitations or restrictions as may be contained herein this individual solid waste permit.

f. Soil amendment waste, as identified in Section 2.7 of the Form P, may be mixed, blended, or otherwise added to the thermally treated soil to produce the soil substitute provided that storing and processing is also conducted pursuant to, and consistent with General Permit No. WMGR074 for beneficial use/processing as issued by the Department.

g. No waste with free petroleum product or other liquids, as determined by USEPA SW-846, Method 9095, shall be accepted at the facility.

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h. Pursuant to Form R, Attachment I, Non Hazardous Profile Sheet, Section C, the facility shall determine if any chemical compound was used to suppress the odor of the incoming waste or to make it drier. If any chemical compound was used to suppress the odor of the incoming waste or to make it drier, then the permittee shall not process the waste until or unless the permittee has first made a determination that there will be no environmental, health or nuisance impact related to the processing of the waste. The permittee shall follow the procedures set for handling this type of incoming waste in accordance with Attachment V of the Form R.

7. The operator shall inspect each load in accordance with its approved plan under 25 Pa. Code Section 287.134 of the Residual Waste Regulations, to ensure compliance with that section and Section 297.201.

8. a. All analyses (including, but not limited to, pre-approval, pre-acceptance, incoming screening, post-treatment, or environmental due diligence) of solid waste that is accepted at the facility, and all documentation regarding environmental due diligence determinations for CFS managed at the facility, shall be maintained by the operator on-site for a minimum of 5 years after the material is received at the facility, unless the permittee's application specifies a longer retention time frame. These records must be made available to representatives of the Department upon request.

b. The permittee shall manage CFS at the facility in accordance with the Department's Management of Fill Policy (Document No. 258-2182-773). Also when applicable, any person placing CFS that has been affected by a release of a regulated substance on a property must certify the origin of the fill material and results of analytical testing to qualify the material as clean fill on the Department's Form FP-001. Form FP-001 must be retained by the owner of the property receiving the fill, and a copy shall be submitted to the Department's regional office governing the area in which the receiving property is located. Contaminated materials shall not be mixed with clean fill materials.

9. Daily operational records must be kept in a format outlined in Section 297.261 of the Residual Waste Rules and Regulations. This must include the type and amount of solid waste and CFS accepted each day, the source or generator of the solid waste and CFS, the amount of solid waste processed each day, the type and amount of material added to the processed material storage pile each day, the type and amount of material transported off-site each day, and the use and destination of the material that is transported off-site each day.

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10. An annual operations report is to be submitted on or before June 30 of each year to the Department's Southeast Regional Office in accordance with the format outlined in Section 297.262 of the Residual Waste Rules and Regulations. This must be accompanied by the annual permit administrative fee.

11. a. The facility is permitted to accept for transfer operations, physical processing (screening, mixing or blending), and/or thermal processing those approved residual wastes listed in Table 1 of Form R, as repeated in Condition 11.b, below. The facility may accept those approved residual wastes listed in Condition 11.b or naturally occurring soils and aggregates (composed of clay, silt, sand, natural organic matter, gravel, rock, and stone that are removed from the ground) that have been physically and/or chemically contaminated by the approved residual wastes. However, only residual waste classified by Code 506 (limited to soils with contaminants amenable to thermal treatment), 507, or 508 may qualify for reuse as CFS or Regulated Fill Soils ("RFS") if the material otherwise complies with the Department's applicable end use mechanism. All other approved residual wastes, other than Codes 506 (limited to soils with contaminants amenable to thermal treatment), 507, and 508, or naturally-occurring soils and aggregates physically and/or chemically contaminated by those residual wastes, other than Codes 507 and 508, may be managed at the facility pursuant to this permit but may not be used or reused as CFS or RFS and shall be directed to a permitted off-site processing or disposal facility, except to the extent that the residual waste or soil/residual waste mixture is specifically approved for use or reuse under an authorized end use mechanism. For residual waste that is not specifically included in Table 1, the permittee must submit a Form U disposal request for Department review and approval prior to acceptance and processing, and the permittee may be required to submit a permit modification if the request is deemed to be for a type of waste not approved in this permit.

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b. Approved residual wastes as listed in Table 1 of the Form R:

CODE	RESIDUAL WASTE APPROVED FOR TREATMENT AND/OR PROCESSING
101	Foundry Sand
104	Grindings, Shavings
111	Lubricating Soaps
203	Industrial Wastewater Treatment Sludge or Sediment Including Acid Mine Drainage Sludge
207	Tank Bottoms
209	Oily Sludge, Petroleum Derived
210	Air Emissions Control Sludge (excluding FGD Sludge and gypsum)
303	Combustible Chemicals, nonhazardous
307	Filter Media/Aids (Diatomaceous Earth, Ion Exchange Resins, Silica Gels)
313	Wax, Paraffin
314	Alcohols, nonhazardous
315	Solvents, nonhazardous
317	Glycols/Antifreeze, Machine Coolants
413	Asphalt (Bituminous), Asphalt Shingles

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CODE	RISIDUAL WASTE APPROVED FOR TREATMENT AND/OR PROCESSING (Continued)
440	Resins
450	Polymers (other than 407, 409)
502	PCB Containing Waste
503	Oil Containing Waste (absorbent, rags)
505	Spent Catalysts
506	Contaminated Soil/Debris/Spill Residue (nonpetroleum) (Dredge Materials, Water Intake Debris and Sediment, Coal Mill Rejects)
507	Limited to Waste Petroleum Material Contaminated Soil
508	Limited to Virgin Petroleum Fuel-Contaminated Soil
801	Drilling Fluids Residuals (other than those under 802–810; Including drill cuttings from monitoring well and drinking water well
807	Basic Sediment (Oil and gas production storage impurities, sediment from produced oil at storage tank battery)
810	Drill Cuttings (oil and gas drill cuttings)

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c. Materials accepted at the facility shall be categorized as one of the following:

i. Soil Amendments ("Soil Amendments"), as approved in General Permit No. WMGR074 for the purpose of beneficial use limited to: biosolids, paper pulp sludge, lime neutralized industrial water sludge, and water treatment plant sludge.

ii. Soil Drying Agents ("SDA"), see also Condition No. 30 below.

iii. Thermal Remediation Soil ("TRS"): TRS may consist of those approved residual wastes listed in Condition 11.b or naturally occurring soils and aggregates (composed of clay, silt, sand, natural organic matter, gravel, rock, and stone that are removed from the ground) that have been physically and/or chemically contaminated by the approved residual wastes. While all TRS may be thermally processed, only residual waste classified by Code 506 (limited to soils with contaminants amenable to thermal treatment), 507, or 508 may qualify for reuse as CFS or RFS if the material otherwise complies with the Department's applicable end use mechanism. All other TRS shall remain a waste after thermal processing and shall be directed to a permitted off-site processing or disposal facility, except to the extent that the residual waste or soil/residual waste mixture is specifically approved for use or reuse under an authorized end use mechanism. Processed TRS may not be combined with other soils categories, with the exception of processed DRS soils that have been sampled and tested to demonstrate that their hydrocarbon contaminant levels meet the same intended end use levels (as the processed TRS), as outlined in Section 4.2 of the Form P and the November 15, 2011, response document listed in Condition 1, above. No blending of soils may be conducted to meet any metal or TPH end use criteria.

Additionally, the facility may receive "Special TRS" in accordance with Condition 14.c of this permit. The Special TRS are soils with total metals that exceed the threshold specified for regulated fill in Table GP-1b of General Permit No. WMGR096, as received, and/or the end use TPH limit exceeds the maximum TPH categorical remediation limit specified in Table 5 of the Form R.

The Special TRS shall be managed as a waste and shall be physically and thermally processed separately and Special TRS may not be combined with other soils or soil categories. No blending of soils accepted pursuant to Condition 14.c may be conducted to meet any metal or TPH end use criteria, and the Special TRS shall be kept segregated from other soils or soil categories, at all times, except to the extent that Special TRS may be consolidated in the Processed Soils Storage Area with other soils or soil categories that are being sent for the same end use at the same designated location.

iv. Direct Reuse Soil ("DRS"): DRS may consist of those approved residual wastes listed in Condition 11.b or naturally occurring soils and aggregates (composed of clay, silt, sand, natural organic matter, gravel, rock, and stone that are removed from the ground) that have been physically and/or chemically contaminated by the approved residual wastes. While all DRS may be physically processed, only residual waste classified by Code 506 (limited to soils with contaminants amenable to thermal treatment), 507, or 508 may qualify for reuse as CFS or RFS if the material otherwise complies with the Department's applicable end use mechanism. All other DRS shall remain a waste after processing and shall be directed to a permitted off-site processing or disposal facility, except to the extent that the residual waste or soil/residual waste mixture is specifically approved for use or reuse under an authorized end use mechanism. The DRS may not be combined with other soils or soil categories, with the exception of processed TRS soils that have been sampled and tested to demonstrate that the chemical contaminants have been successfully treated to meet the same intended reuse levels (as the DRS), as outlined in Section 4.2 of the Form P and the November 15, 2011, response document listed in Condition 1, above. No blending of soils may be conducted to meet any metal or TPH end use criteria.

Additionally, the facility may receive "Special DRS" in accordance with Condition 14.b of this permit. The Special DRS are soils with total metals that exceed the threshold specified for regulated fill in Table GP-1b of General Permit No. WMGR096, as received, and/or the end use TPH limit exceeds the maximum TPH categorical remediation limit specified in Table 5 of the Form R. The Special DRS shall be managed as a waste and physically processed separately and Special DRS may not be combined with other soils or soil categories. No blending of soils accepted pursuant to

Condition 14.b may be conducted to meet any metal or TPH end use criteria, and the Special DRS shall be kept segregated from other soils or soil categories, at all times, except to the extent that Special DRS may be consolidated in the Processed Soils Storage Area with other soils or soil categories that are being sent for the same end use at the same designated location.

v. Direct Transfer Waste ("DTW"): DTW may consist of those approved residual wastes listed in Condition 11.b or naturally occurring soils and aggregates (composed of clay, silt, sand, natural organic matter, gravel, rock, and stone that are removed from the ground) that have been physically and/or chemically contaminated by the approved residual wastes. The facility may operate as a transfer facility for DTW subject to pre-acceptance criteria procedures, including Form U prior to acceptance at the facility, unless exempted under Condition No. 16, below. If DTW from one generator is consolidated or mixed with DTW from another generator, then the permittee becomes a generator of consolidated waste. The consolidated waste must be analyzed in order to meet the pre-acceptance requirement for the receiving or destination facility.

vi. Regulated Fill Soils ("RFS"): RFS, as defined by the Department's Management of Fill Policy (Document No. 258-2182-773), may be accepted at the facility and physically processed separately from other soil categories. The RFS shall be reused in accordance with the Department's General Permit No. WMGR096. The RFS may not be combined with other soils or soil categories.

vii. Clean Fill Soils ("CFS"), as defined by the Department's Management of Fill Policy (Document No. 258-2182-773).

d. Any soil that does not meet the Clean Fill criteria, as defined by the Department's Management of Fill Policy (Document No. 258-2182-773), shall be managed as a waste at the facility.

12. a. Incoming solid waste that is being sampled as part of the on-site waste acceptance and screening process shall be staged in the truck at the designated vehicle staging area, as indicated on Drawing D-001, while awaiting review and acceptance of analytical results prior to being placed inside the contaminated material storage building (building). Upon arrival, the permittee will sample and test, at a minimum frequency of, one in every four trucks received, or fraction

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thereof, per generator or job. Incoming solid waste that is not being sampled shall be visually inspected for requirements of the Form R, Section 3.2. The solid waste represented by the sample (four trucks or fraction thereof), when initially placed inside the building, shall be segregated from other materials until the test result is received to verify that permit limits are met. Should the sample collected to represent the four trucks or fraction thereof of solid waste, fail to meet acceptance criteria for any parameter analyzed, the segregated material shall be rejected (returned to the generator or sent to an acceptable processing or disposal facility) or else the entire quantity of segregated material shall be resampled by collecting and analyzing samples that are representative of the entire quantity of segregated material. If the resampling demonstrates compliance with the facility's waste acceptance criteria, then the material may remain at the facility for processing. If the resampling indicates that all or a portion of the material does not meet waste acceptance criteria, then all or that portion of the material that is unacceptable shall be rejected. No blending of the material with other material inside the building shall occur until this procedure has been satisfied. If subsequent trucks from this generator or job are to be accepted, they should be screened and sampled at double the frequency.

b. Incoming solid waste shall be staged or stored in designated storage areas, as indicated on Drawing D-002, except that nonrecyclable oversized material may also be stored in the designated area pursuant to Condition 19. Material in the Process Building must be divided into the following designated storage areas: Storage Area 1 for Soil Amendments; Storage Area 2 for RFS and DRS; Storage Area 3 for TRS and DTW; Oversize Material Staging Area; and SDA Storage Areas.

c. Storage Area 1 is designated to store Soils Amendments. The Soil Amendments material received at this facility shall be added to the TRS only after thermal processing when the material exits the dryer and enters the pugmill unit where the processed TRS are rehydrated and cooled. These Soil Amendments shall be stored in Area 1 (40' x 50', maximum height 25' with storage capacity up to 1,666 cy or 2,500 tons) as shown in Drawing D-002.

d. Storage Area 2 shall be used for the staging or storage of RFS or material intended for direct reuse (DRS) without thermal processing. Also, Storage Area 2 may be utilized for any temporary segregation required pursuant to Condition 12.a above, relating to segregation of material as part of the on-site waste acceptance screening procedures for regulated fill material

and direct reuse material. RFS and DRS staged or stored within Storage Area 2 shall be segregated from each other by utilizing physical barriers. No mixing or blending of regulated fill material with direct reuse material is allowed at any time. The area(s) being used for staging or storage of RFS and/or DRS shall be clearly marked, including visual markings, to prevent the placement of contaminated material intended for thermal processing in the area(s).

e. Storage Area 3 is designated to store TRS and DTW.

i. TRS (see Section 2.2.4 of Form P): The TRS are the wastes received at this facility for thermal processing. TRS may be physically processed (screening and/or adding drying agent) prior to thermal processing. TRS shall be stored in the Process Building, Storage Area 3 as shown in Drawing D-002. TRS cannot be combined with CFS, RFS, DRS or DTW prior to thermal processing. The post thermally processed TRS shall be stored in the designated Processed Soil Storage Area as shown on Drawing D-001. The post thermally processed TRS shall be further segregated based on the five sorted end use categories, as described in Form P, Table 4.

ii. DTW (see Section 2.2.5 of Form P): DTW may be received at this facility for the purpose of transferring to another facility for further processing or disposal. DTW cannot be consolidated or mixed with other CFS, RFS, DRS, or TRS. DTW shall go through the pre-acceptance criteria described in Section 2 of Form R. DTW shall be stored in the Process Building within Storage Area 3 as shown in Drawing D-002.

f. The designated Storage Areas (1, 2, and 3) described in Condition Nos. 12c–e, above, may be expanded or constricted using the movable wall barriers as shown in Drawing D-002 to accommodate changes in the type/quantities of solid waste or soil amendments stored in the Process Building. Expansion or contraction of the designated Storage Areas shall be accomplished using the procedures (including decontamination measures) as described in Section 4.2.4 of the Form P.

g. At no time may the amount of material, including solid waste, soil amendments and oversize material, stored inside the Process Building exceed 17,734 tons (11,822 cy). The permittee shall maintain adequate records of incoming and outgoing materials and material processed to determine the amount of material contained inside the building at any given time. Said

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determination must be provided to the Department upon request and shall be recorded in the facility's operational records on at least a daily basis. In addition, the permittee shall accurately measure the volume of all the material inside the Process Building at least semi-annually and compare the measured volume determination to the volume determination based on facility recordkeeping. Results of this determination shall be recorded as part of the facility's daily operation record. If the permittee, through its recordkeeping and the semi-annual measurement comparisons, is unable to document the amount of material inside the Process Building to the Department's satisfaction, the permittee shall conduct pile volume measurements or surveys to determine the amount of material present upon written request from the Department.

13. Soil Amendments specified in Condition No. 12c, above, covered under General Permit No. WMGR074 with specified allowable limits and meeting the testing requirements of Section 2.3.2 of the Form R, may be accepted at the facility. The permittee shall keep the Material Profile Sheet, including all supporting documentation, for each generator on file at the facility for a minimum of 5 years.

14. a. Waste characterization shall be conducted in accordance with Section 2 of Form R, relating to types of contaminated wastes, site characterization, waste approval, characterization, and approval for Soil Amendments, and shipment of approved waste material. Each sample required for site characterization (Form R, Section 2.2, and Material Profile Sheet) shall be a discrete grab sample when analyzing for total petroleum hydrocarbons (TPH) and total organic halides (TOX) and a composite of at least three representative grab samples when analyzing for Total Metals, Polychlorinated Biphenyl (PCBs), ignitability, reactivity, and corrosivity. Each sample (grab or a composite consisting of three grabs) shall be collected at the frequency specified in Table 3 of Form R. The acceptance limits contained in Table 3 of the Form R, are absolute maximum concentrations, except as may be allowed pursuant to Condition 14b or 14c, below. TCLP is required when metals are twenty times the Resource Conservation and Recovery Act (RCRA) limits. When a project is not the result of a corrective action from a virgin petroleum fuel spill or petroleum tank removal, TCLP for RCRA organics is required (total constituent analysis may be used to demonstrate compliance with a TCLP limit if the total concentration is less than 20 times the TCLP limit).

b. "Special DRS": An exception to the waste acceptance limit for maximum total metals that exceed the threshold specified for regulated fill in Table GP-1b of General Permit No. WMGR096 (also Table 3 of Form R) and/or the maximum TPH end use categorical limit

may be requested, in writing, provided that (1) end use approval has been secured for the soil at the higher metal and/or TPH concentrations, (2) all other procedures pertaining to pre-acceptance, screening and processing of waste are met, and (3) Section 2.5 of the Form R, entitled "Special Acceptance Procedures for Certain Beneficial Reuse" is followed. When making such a request, the written submission shall include a Form U completed in accordance with Condition 16 of this permit along with a written explanation of each total metals waste acceptance or TPH end use limitation waiver request, a cover sheet entitled "Special Soil Acceptance Form" identifying it as soil with metal or TPH level exceedances, and end use approval or authorization documentation. The waste indicated in the initial Form U waste processing request submitted pursuant to this subcondition (14.b) for a specific end use may not be accepted at the facility until specifically approved by the Department in writing (i.e., the automatic fifteen calendar day approval period provided by Condition 16j of this permit is not applicable).

c. "Special TRS": An exception to the waste acceptance limit for maximum total metals that exceed the threshold specified for regulated fill in Table GP-1b of General Permit No. WMGR096 (also Table 3 of Form R) for TRS and/or TPH end use categorical limit may be requested, in writing, provided that (1) end use approval has been secured for the soil at the higher metal and/or TPH concentrations, (2) all other procedures pertaining to pre-acceptance, screening and processing of waste are met, and (3) Section 2.5 of the Form R, entitled "Special Acceptance Procedures for Certain Beneficial Reuse" is followed. When making such a request, the written submission shall include a Form U completed in accordance with Condition 16 of this permit along with a written explanation of each total metals waste acceptance and/or TPH limitation waiver request, a cover sheet entitled "Special Soil Acceptance Form" identifying it as soil with metal exceedances, and end use approval or authorization documentation. The waste indicated in the initial Form U waste processing request submitted pursuant to this subcondition (14.c) for a specific end use may not be accepted at the facility until specifically approved by the Department in writing (i.e., the automatic fifteen calendar day approval period provided by Condition 16j of this permit is not applicable).

d. Once an initial Form U is submitted and approved via the procedure dictated by Conditions 14b and 14c, above, for a specific-approved end use, the subsequent submission of Form U's for Residual Wastes to be accepted to meet the quantity specified for the

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specific-approved end use are subject to the Form U submittal and acceptance procedures as outlined in Condition 16j of this permit, provided that all other parts of the special approval procedure are met. Note that soils destined for use at approved Clean Earth Dredging Technologies, Inc.'s site (a.k.a. Canal Road Site) located at 269 Canal Road, Fairless Hills PA 19030, in Falls Township, Bucks County under the existing September 11, 2007, 902(b) waiver, as well as soils destined for use at Delaware landfills pursuant to the State of Delaware Beneficial Use Determination No. 16/022916, have been accepted and processed at the facility prior to the issuance date of this permit. Accordingly, new sources or increased volumes of previously approved sources destined for use at the above referenced sites pursuant to the referenced end use mechanisms are to be considered grandfathered from the requirements of Condition(s) 14.b and/or 14.c and shall be subject to the Form U submittal and acceptance procedures in Condition 16.j, provided that all other parts of the Special Approval Procedure are met.

e. No blending of material accepted pursuant to Condition 14b or 14c may be conducted to meet any metal or TPH end use criteria, and the specially approved material shall be kept segregated from other soil or soil categories except to the extent that Special DRS may be consolidated in the Processed Soil Storage Area with other soils or soil categories that are being sent for the same end use at the same designated location.

15. On-site waste acceptance shall be conducted in accordance with Section 3 of Form R or some other alternative methods after approval by the Department, relating to screening of incoming loads, rejection of loads, and oversize material. All incoming residual waste shall be screened on-site and analyzed for TPH and TOX at a frequency of one (1) grab sample for every four trucks, or fraction thereof, per job per generator and in accordance with Section 3.1 of Form R. Grab samples shall also be analyzed for PCBs if TOX results exceed 10 ppm.

The maximum allowable concentration of TPH for incoming residual waste may not exceed 30,000 mg/kg except that a TPH limit of 100,000 mg/kg can be applied in accordance with Section 2.1.2 of the Form R. The facility may use a portable Photoionization Detector (PID) meter to screen incoming residual waste for TPH provided that, for the first month, a sample is collected in duplicate twice per shift (one in the first half of the shift and one in the second half of the shift when loads are being received) and one of the samples of the duplicate analyzed via the API GC-FID method and the other sample analyzed using the portable PID and corresponding test results compared. All test results are to

be recorded and submitted to the Department for review at the end of the month. Samples are to be collected using a trowel and placed in a glass jar affixed with a polypropylene septum valve, as specified in the Form R (Attachment V), used for sample containment and insertion of the portable PID probe. If test results (with indicated conversion factor calculations) reveal PID meter readings significantly below those measured using the API GC-FID method, a procedure to calibrate the PID more than once a day must be submitted to the Department for review and approval and, after implementation, the above-stated sampling protocol again performed. If, at the end of the second month, the discrepancies persist, the use of the portable PID meter for measuring TPH concentrations shall be discontinued for the purpose of screening, and blending and the API GC-FID or other method approved by the Department used in its (the PID meter's) place.

The maximum allowable concentration of TOX for incoming residual waste may not exceed 1,000 mg/kg using EPA SW-846 Test Method 9020B or equivalent. The maximum allowable concentration of PCBs for incoming residual waste must be less than 50 mg/kg using Dexsil extraction method or GC/ECD or equivalent. With the exception of CFS and RFS, any materials received and/or to be shipped off-site, with a final PCB concentration between 4 mg/kg to 50 mg/kg, by regulation are PCB containing waste and must be managed and classified as such. The permittee and end-users receiving, importing, utilizing, or disposing of residual waste are responsible to comply with the requirements relating to the Toxic Substances Control Act (TSCA).

16. A Form U document must be submitted to the Department in accordance with the following procedures prior to the acceptance of (1) any large quantity generator (greater than 13 tons) of virgin hydrocarbon contaminated material with TPH concentrations greater than 10,000 mg/kg and (2) any Large Quantity Generator (greater than 13 tons) of nonvirgin hydrocarbon contaminated material regardless of the TPH concentration unless exempted per Condition 16e., below.

a. All solid waste must be consistent with the requirements stated in the waste analysis and classification plan contained in Form R, as incorporated in Condition 1 of this permit, except to the extent that the requirements of Form R are superseded by the terms and conditions of this permit.

b. The permittee shall not accept any waste not included in the Form R submission unless a permit modification is submitted to, and approved by, the Department.

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c. The permittee shall not accept, receive or process hazardous waste as defined in 25 Pa. Code Chapter 261a or 40 C.F.R. Part 261.

d. Virgin hydrocarbon contaminated material with TPH concentrations less than 10,000 mg/kg and contaminated material from small quantity residual waste generators do not need to have Form U documents submitted to the Department prior to their acceptance at the facility and, consequently, are not subject to the submittal and review requirements described in Condition 16j, provided that they do not also involve a total metals or TPH waste acceptance limitation waiver request pursuant to Condition(s) 14b and/or 14c, above. For those waste streams subject to the Form U submittal waiver of this subcondition, the permittee must keep waste characterization documents, including a Form U, on file at the facility to demonstrate that the waste streams accepted pursuant to this subcondition are not hazardous, comply with the facility's waste characterization requirements as outlined in Condition 14a, and comply with the requirements of this condition (other than Condition 16j). A quarterly report, to be submitted within thirty (30) days of the end of the calendar quarter (January-March, April-June, July-September, and October-December), shall be submitted to the Department's Southeast Regional Office listing information by generator, including the waste type, approved quantity, quantity accepted, generator identification number, the identification number for each Form U document, and the end use category that governed the level of remediation (see Condition 16k) for all waste received during the calendar quarter.

e. Contaminated media from emergency response actions do not need to have Form U documents submitted to the Department prior to acceptance at the facility and are not subject to the submittal and review requirements describe in Condition 16j. However, the Department must be notified, in writing, prior to acceptance of the contaminated media at the facility. Also, the contaminated material must not be hazardous waste and acceptance must be conducted in accordance with Section 2.3 of the Form R, including records of all waste received in this category and completing and keeping on file a Form U for all Large Quantity Generators.

f. Acceptance of contaminated material at this facility from investigations approved by state/federal agencies is subject to the stipulated pre-acceptance criteria, sampling frequencies and analyses, and other requirements set forth in Section 2.3 of the Form R and all the conditions of this permit.

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g. Acceptance of virgin petroleum contaminated materials from remediation of residential properties must submit Form U and are subject to pre-acceptance criteria stipulated in Section 2.3 of the Form R unless exempted from the requirement pursuant to Condition 16d, above.

h. With the exception of waste accepted pursuant to Condition 16e, above, all waste is subject to the pre-acceptance evaluation and conditions of this permit. No waste is to be accepted at the facility that has no prior pre-approval or pre-acceptance evaluation by the permittee as required in Section 2.3 of the Form R.

i. All Form U documents must be kept on file and are to be available for inspection by the Department. Each Form U document shall be assigned a sequential identification number that is to be recorded on all forms submitted to the Department.

j. The permittee must submit a Form U waste processing request for each waste stream not exempted from the submission requirement pursuant to Conditions 16d and 16e, above. Proof of submission to the Department shall be dated certified mail return receipt cards; signed, dated, acceptance receipts for hand-delivered requests; signed, dated receipts for overnight mail/federal express delivery; or some other delivery/receipt mechanism as may be approved by the Department in writing, including electronic submission. With the exception of the 9 generic categories of contaminated soils listed below and in Section 2.4 of the Form R, the waste indicated on Form U may be accepted for processing by the permittee fifteen (15) calendar days after the Department has received the submission provided the Department has not indicated in writing prior to the expiration of the fifteen (15) day period that the Form U is incomplete or unacceptable, unless the Form U is also subject to the requirements of Condition 14b or 14c, above, in which case the waste shall not be accepted for processing until written Department approval is obtained to accept the waste indicated in the initial Form U via the procedure dictated by Conditions 14b and 14c of this permit for a specific approved end use. The subsequent submission of Form U's for Residual Wastes to be accepted to meet the quantity specified for the specific approved end use indicated in the initial Form U are subject to the Form U submittal and acceptance procedures stipulated in this condition, provided that all other parts of the Special Approval Procedure are met. Waste indicated on the Form U from the 9 generic categories can be accepted for processing after receipt of proof of submission to the Department, and not before receipt of the return card from certified mail

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or other delivery/receipt mechanism, including those indicated above, unless subject to requirements of Conditions 14b and 14c, in which case acceptance must wait for Department written approval to accept the waste indicated in the initial Form U via the procedure dictated by Conditions 14b and Condition 14c of this permit for a specific approved end use. The subsequent submission of Form U's for Residual Wastes to be accepted to meet the quantity specified for the specific approved end use indicated in the initial Form U are subject to the Form U submittal and acceptance procedures stipulated in this condition, provided that all other parts of the Special Approval Procedure are met. In addition to the above, for any Form U indicating a radiological component(s) above background levels, the permittee must wait for Department written approval to accept the waste indicated in the Form U. If, at any time after the acceptance of the waste, it is determined by the Department that the waste accepted is not consistent with the waste analysis and classification plan, the design of the facility or the terms and conditions of this permit, the permittee shall be subjected to all and any applicable enforcement action afforded by the Solid Waste Management Act or the Department's rules and regulations promulgated thereunder. This includes revoking by letter the exemption from the 15 day waiting period for Form U submittal and acceptances for generic categories of contaminated soils. Absence of disapproval by the Department before and after the waiting period does not constitute an approval or final action of the Department.

GENERIC CATEGORIES OF CONTAMINATED SOILS: (See Section 2.4 of the Form R)

1. Soils generated from Manufactured Gas Plant (MGP) Remediation/Cleanup Waste.

2. Soils from removal/remediation of under and aboveground storage tanks containing virgin or used oil.

3. Spill Cleanup from releases relating to virgin or used oil transport or onsite storage.

4. Petroleum hydrocarbon (PHC) contaminated soils from salvage/junk yard operations and scrap metal recovery facilities.

5. PHC soil from Agricultural/farmland use of pesticides/herbicides manufacturing/bagging plants.

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6. PHC soils from foundry, steel or metal handling or manufacturing/smelting operations.

7. PHC soils from airports, air transport or bus terminals, rail transportation yards/railways.

8. PHC soils from non-MGP utility sites.

9. PHC and fuel residue contaminated soils from commercial or residential redevelopment.

k. All Form U documents shall indicate the intended end use mechanism for the material that is to be processed as well as the end use category (Categories 1–5, refer to Table 3 in Form P, Section 4.2.6) that will govern the level of remediation. All incoming soils and aggregate will be remediated at the Category 1 limit unless an agreement is in place with a defined end user for different end use requirements (this applies to Categories 2–5).

17. a. After exiting the thermal treatment unit, processed material shall be conveyed by radial stacker to the Remediated Product stockpile area, as indicated on Drawing D-001. This area, also known as the temporary stockpile area, measures approximately 64' x 75', maximum height 20' with storage capacity up to 2,650 cy or 3,975 tons at any time. Material shall remain at this location until post treatment testing and analysis have been conducted in accordance with Section 4.2.6 of the Form P to verify the effectiveness of the thermal remediation process. At a minimum, one grab sample per 250 tons or fraction thereof of thermally processed material, as determined by production run, shall be collected and tested for TPH. Effective thermal remediation shall be based upon none of the TPH concentrations of the grab samples exceeding the applicable category limitation listed in Table 4 of the Form P specified by the implementing mechanism for the intended end use, with the latter not to exceed 2,500 ppm (see Form P, Section 4.2.6 and Table 4) unless the soil category falls under Special TRS, (see Condition 11c.iii) which will follow the procedures identified in 14c. Material meeting the effective remediation standards shall be moved and stored in the processed material storage area, pursuant to Condition 18, below. Material not meeting the effective thermal remediation standards shall be moved inside the Process Building for storage in Storage Area 3 pending reprocessing, or for staging in the Working Stockpile Area for immediate reprocessing. Material returned to the building for reprocessing shall be managed as solid waste and shall be included as part of the 11,822 cy or 17,734 tons storage limitation contained in Condition 12, above.

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b. RFS and DRS meeting end use requirements without thermal processing but only requiring physical processing shall be moved and stored in the outside processed soil storage area, pursuant to Condition 18, after physical processing.

c. Processed material, after being blended with a soil amendment(s), shall be tested for the parameters and at the frequency specified in the General Permit WMGR074 authorizing said processing and beneficial use.

18. a. Material meeting the effective thermal remediation standards shall be moved from the temporary stockpile area and shall be stored in the Processed Soils Storage Area (approximately 105' x 371', maximum height 25' with storage capacity up to 15,000 cy or 22,500 tons) as shown on Drawing D-001A and Drawing D-001. In addition, RFS and DRS shall be moved from Storage Area 2 after physical processing and shall be stored in this Processed Soils Storage Area. Piles shall be adequately segregated and marked (including batch numbers as well as narrative descriptors – RFS, soil Categories 1-5, DRS, etc.) according to end use requirements. All material placed in the Processed Soils Storage Area shall meet the Category 1 effective remediation limit unless an agreement is in place with a defined end user(s) for an end use allowing for a different effective remediation limit that also specifies a time frame for, and quantity of, the material needed (see Form P, Section 4.2.6 and Table 3).

b. Once each operating day, the permittee shall monitor each new pile, or each existing pile to which additional material has been added. The pile(s) shall be monitored for VOCs in accordance with Section 4.2.7 of Form P. If any reading for a pile exceeds 250 ppm, that pile shall immediately be covered with a tarp or cover to minimize fugitive emissions, in accordance with Section 4.2.7 of Form P. Upon prior written Department approval, other cover materials (e.g., foams, sprays) that have been demonstrated to provide equivalent protection to minimize fugitive emissions may be used in place of a cover for the pile. Alternatively, if the pile is not covered and if any reading for a pile exceeds 250 ppm, that pile shall immediately be relocated back into the Process Building for storage in an appropriate area of the building (Area 3) to be managed as material intended for thermal remediation pending reprocessing, in accordance with Section 4.2.7.2 of Form P. A record shall be kept of the daily VOC readings, the TPH category of the each pile(s) corresponding to the daily VOC readings (and/or actual TPH values for each pile, if known), and each incident of implementation of the control measures required pursuant to Section 4.2.7 of Form P (cover or tarp placement, movement of material back into the building).

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Material returned to the building for reprocessing shall be managed as solid waste and shall be included as part of the 17,734-ton storage limitation contained in Condition 12, above.

c. Pursuant to Condition 4 of this permit, and as indicated on Drawing D-001, CFS may be stored in a portion of the Processed Soils Storage Area to the extent that said storage does not interfere with the permittee's ability to abide by, or comply with, the terms and conditions of this permit. CFS shall be segregated from processed material by a physical barrier, which may be adjusted to suit operational needs.

d. The permittee shall maintain adequate records of incoming and outgoing materials and material processed to determine the amount of processed material contained outside the building (in areas described in Conditions 17 and 18 of this permit) at any given time. Said determination must be provided to the Department upon request and shall be recorded in the facility's operational records on at least a daily basis. Further, the permittee shall accurately measure or survey the volume of all the material outside of the building at least semi-annually and compare the measured volume determination to the volume determination based on facility recordkeeping. Results of this determination shall be recorded as part of the facility's daily operation record. If the permittee, through its recordkeeping, is unable to demonstrate the amount of contaminated material outside the building to the Department's satisfaction, upon written request from the Department, the permittee shall configure the processed material outside the building in such a manner as to allow for pile volume measurements or surveys to be conducted to determine the amount of material present.

e. The storage of processed material and clean fill shall be in a manner that will not create a nuisance or be harmful to public health, safety, or the environment, and shall be in a manner that prevents the dispersal of processed material by wind or water erosion.

f. Runoff from the Processed Soils Storage Area, including runoff from processed material and/or CFS areas, shall not cause surface water pollution or groundwater degradation, and shall be managed in accordance with the Clean Streams Law and regulations promulgated thereunder. Runoff from the Processed Soils Storage Area shall be diverted or otherwise controlled so that runoff, including runoff-laden sediment, does not flow onto or through the clean fill storage area(s) or come in contact with clean fill material.

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g. At a minimum of semiannually, the permittee shall collect a sample of stormwater runoff from the Processed Soils Storage Area and analyze the sample for TPH, total suspended solids, and the thirteen priority pollutant metals (total and dissolved for: Antimony, Arsenic, Beryllium, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thallium, and Zinc), unless the permittee certifies that there was insufficient rainfall to generate runoff capable of being sampled in that semiannual period. The sample shall be collected during the initial 30 minutes of the discharge from the processed material storage area, or as soon as practicable thereafter, and shall be collected prior to discharge to the sedimentation basin. Semiannual sample results shall be submitted to the Department's Southeast Region Waste Management Program Manager no later than 30 days after the end of the semiannual calendar year period for which the sample was to be taken. After obtaining two semiannual rounds of actual sample results, the permittee shall submit a report evaluating (1) the quality of the stormwater runoff, (2) the effectiveness of runoff controls, and (3) the need for continued or additional surface water and/or groundwater monitoring, pursuant to 25 Pa. Code 297.233. As a part of the evaluation, the permittee may request a reduction of the runoff-sampling program if it believes the data results support such a request. The semiannual sampling program shall remain in effect until modified or eliminated by the Department, in writing, pursuant to this condition.

19. Oversized material shall be limited to contaminated material approved for waste acceptance that fails to pass a 2-inch or larger screen. Recyclable oversized material shall be as described above that is determined to be uncontaminated based on both visual inspection and portable PID testing. Recyclable oversized material may be stored outside the building in the Clean Oversized Material Staging Area which is approved as 60' x 140', maximum height 20' with storage capacity up to 4,833 cy or 7,250 tons and marketed for a suitable use. Nonrecyclable oversized material as described above that is determined to be contaminated based on either visual inspection or portable PID testing, shall be stored inside the building in designated area 25' x 50', maximum height 20' with storage capacity up to 556 cy or 834 tons until it can be transported to an approved off-site disposal or processing facility.

20. The facility is not approved to accept or process solid wastes other than those authorized pursuant to Conditions 11, 13, 19, and 30 of this permit, relating to residual wastes, soil amendments, oversized materials and certain soil drying agents, respectively, as those terms are defined or used in this permit. While it is acknowledged that there may be some unavoidable amounts of unacceptable material received, the amounts should be minimal and incidental. While the permittee has a plan to dissuade generators from sending loads containing unacceptable material by assessing a billable surcharge rate if

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unacceptable material of over 5 percent by volume is received, issuance of this permit shall in no way be construed as acceptance of that 5 percent figure as constituting a standard for minimal or incidental as neither 300 tpd (5 percent of 6,000 tpd maximum daily volume) or 887 tons total storage of unacceptable waste (5 percent of 17,734 tons maximum waste storage) is considered minimal or incidental.

21. The permittee shall control and minimize conditions that are harmful to the environment or public health, or which create safety hazards, odors, dust, noise, unsightliness, and other public nuisances. With regard to transportation of CFS and/or solid waste to the facility, the permittee may implement a waste transport vehicle compliance plan (see Form R, Section 3.1.1) whereby noncompliant vehicles will be subject to a "time out" to encourage compliance, subject to the following additional requirements:

a. The "time out" shall be for at least a one-hour period commencing after the vehicle would normally be allowed to tip its waste. The time required for waste pre-acceptance screening (i.e., visual inspection, sampling, analysis, analytical review, issuance of a weight ticket and signed manifest) shall not be included in the "time out." Records of "time out" occurrences (date, transporter identification, time vehicle in, time vehicle out, reason for occurrence, etc.) shall be kept as part of the daily operational record.

b. Pursuant to Section 6206(a) of Act 2002-90, the permittee may not accept a waste transportation vehicle without a current authorization sticker issued by the Department. Vehicles without the required current authorization sticker must be rejected and may not be subject to the "time out" provisions of the waste transport vehicle compliance plan.

c. Waste transportation vehicles leaving the facility shall be in compliance with the transporter requirements of Chapter 299 of the residual waste regulations as well as the requirements of Act 2002-90, when applicable.

d. The permittee shall keep a record of overweight vehicles in accordance with 25 Pa. Code 297.261(b)(12), relating to daily operational records.

e. Where repeat occurrences for a transporter indicates that the waste transport vehicle compliance plan is not effective in minimizing harms, hazards, or nuisances, it is the permittee's responsibility to take additional steps to obtain more effective compliance. This may require modification of the waste transport vehicle compliance plan. Continued reliance upon the waste

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transport vehicle compliance plan in the face of evidence indicating a failure achieve compliance will not shield the permittee against appropriate enforcement action on the part of the Department.

22. The thermal treatment unit may operate to treat up to a rate of 2,500 lbs. of hydrocarbon contaminant per hour (equivalent to 25,000 ppm TPH at 50 tons per hour or a maximum 14,700 ppm TPH at a feed rate of 85 tons per hour). The permittee may blend TRS soils that exceed 25,000 ppm TPH to reduce the average contamination concentration to meet the maximum 2,500 lbs feed rate limit, as outlined in Section 4.2.1.5 of the Form P, or reduce the soil feed rate to meet the TPH loading rate to the thermal treatment unit, as outlined in Table 5 of the Form P.

23. The carbon adsorption system shall operate at all times the Process Building is occupied and hydrocarbon contaminated material is present in the building.

24. This renewal permit also approves the Radiation Protection Action Plan for Solid Waste (RPAP) originally approved as major permit modification on December 9, 2003 and this part of permit renewal received on March 29, 2012.

a. Pursuant to Section 613 of the Solid Waste Management Act, 35 P.S. Section 6018.613, the Department may recover its costs to abate a public nuisance related to radioactive waste, including its costs of management, transport, and disposal of the radioactive waste processed, stored, disposed, or rejected at the facility.

b. Approval of Form X does not guarantee operational effectiveness. Failure to operate this equipment to perform as intended or designed, and implement the RPAP according to the application documents herein approved, for any reason, shall be sufficient grounds for revocation or suspension of the facility's waste permit in part or in its entirety.

25. a. Residual waste shall be processed and/or thermally remediated and subsequently tested to the extent necessary to allow the processed waste to be used lawfully and consistent with the applicable standards for the intended uses. The testing frequencies and acceptance criteria for incoming solid waste approved in this permit are intended to allow for a hazardous waste determination and to provide sufficient data to establish blending ratios and production run concentrations for the purpose of physically processing and/or thermally remediating

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hydrocarbon contaminated material. The post-production testing approved in this permit is intended for determining the effective remediation of TPH and VOCs as a process control. The testing frequencies, parameters, and criteria approved in this permit are not intended to be, and shall not be construed as, a substitute for the need to satisfy the testing frequencies, parameters, and criteria of the implementing regulatory mechanism under which a particular production run or batch of processed material is intended to be used. The permittee remains responsible for conducting any and all necessary testing, beyond the minimum requirements contained in this permit that may be required to satisfy the implementing mechanism for off-site use or disposal of processed contaminated material. The permittee shall, as part of the daily operation record, maintain adequate documentation to demonstrate compliance with this requirement.

b. Any material intended for use as regulated fill shall have been determined to be regulated fill in accordance with the requirements of the Department's Management of Fill policy (Document No. 258-2182-773) prior to receipt and acceptance at this facility. Processing of regulated fill at this facility shall be limited to physical processing of regulated fill and/or blending of regulated fill only with other regulated fill. Approval for the beneficial use of the regulated fill material pursuant to General Permit No. WMGR096 shall be obtained for each processed batch pile and the application must include the results of this facility's waste acceptance testing, blending calculations, and post-process testing requirements. This facility shall not be considered a "source" of regulated fill, but may generate a processed batch pile of material that is suitable for use as regulated fill, subject to each batch pile qualifying for, and obtaining coverage under, General Permit No. WMGR096.

c. In cases where the implementing regulatory mechanism specifies end use parameters but does not specify testing frequencies to demonstrate compliance with those parameters, the permittee shall, at a minimum, obtain either pre- or post-testing data at the frequencies specified in Section 4 of the Form R, for any end use parameter not included in Table 6 of the Form R.

26. No waste may be stored at this facility for a period of more than one year. All processed material shall be managed as waste while at the facility. When being transported from the facility for off-site use, processed material shall be managed in accordance with the implementing regulatory mechanism under which it is intended to be utilized.

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27. Revisions to the Department's Management of Fill policy (Document No. 258-2182-773) dated August 7, 2010, shall constitute grounds for reopening this permit to make any necessary modifications as may be warranted by the revisions.

28. Residual Waste is thermally treated in a 7.5' diameter x 45' long Starjet rotary dryer that runs on either natural gas or oil with a heat input rate of 40.5 mil BTU/Hr (MMBtu/Hr). The dryer will be operated at a temperature range of between 200°F to 1000°F. The optimal remediation temperature required to adequately treat the contaminated material to the categorical post-treatment goal depends on, among other factors, the concentration and type of hydrocarbon contaminants present. The maximum process throughput rate of residual waste to the dryer is 85 tons/hr with a maximum daily average throughput rate of 48 tons/hr in any 24-hour period. The dryer exhaust flue gas is ducted to a thermal oxidizer that is operated at a minimum temperature of 1500°F with a 1.5 seconds retention time, as described in Form P, Section 3.2.1.

29. The storage areas inside and outside of the building for incoming and processed materials are shown in Drawings D-001, D-001A, and D-002 as follows:

    a. Materials stored inside the building:

        i. Storage Area 1 for soil amendments (40' x 50', maximum height 25' with storage capacity up to 1,666 cy or 2,500 tons).

        ii. Storage Area 2 for Regulated Fill Soils (RFS) and Direct Reuse Soils (DRS) (70' x varies in length, maximum height 25').

        iii. Storage Area 3 for Thermal Remediation Soil (TRS) (70' & 25' x varies in length, maximum height 25'). Also this area utilized to store Direct Transfer Waste (DTW) (25' x varies in length, maximum height 25'). The maximum storage capacity for Areas 2 and 3 is 10,156 cy or 15,234 tons.

        iv. Storage area for oversize material for staging and inspection (25' x 50', maximum height 20' with storage capacity up to 556 cy or 834 tons).

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v. Storage Area for Thermal Remediation Soil (TRS) working stock pile (25' x 35', maximum height 20' with storage capacity up to 426 cy or 639 tons).

vi. Storage Area SDA 3 for soil drying agents, with storage capacity up to 50 cy.

b. Materials stored outside the building:

i. Temporary staging area (64' x 75', maximum height 20' with storage capacity up to 2,650 cy or 3975 tons) for thermally treated soil.

ii. Processed soils storage area including Soil Substitute (approximately 105' x 371', maximum height 25' with storage capacity up to 17,500 cy or 26,250 tons) of DRS, RFS, TRS and Soil Substitute which will be separated by jersey barriers. Also, in accordance with Condition No. 31, the facility is permitted to have a higher storage capability with different storage configuration within the processed soils storage area (approximately 105' x 360', maximum height 25' with storage capacity up to 25,000 cy or 37,500 tons) of DRS, RFS, TRS and Soil Substitute which will separated by jersey barriers.

iii. Storage of maximum 6–20 cy roll-off containers to store side stream waste including plastics, wood stumps, and demolition debris.

iv. Storage Area SDA 1, SDA 2, and SDA 4 with maximum capacity of 50 cy each to store soil drying agents.

v. Storage Area (60' x 140', maximum height 20' with storage capacity up to 4,833 cy or 7,250 tons) to store clean oversize material.

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30. The minor permit modification is approved as part of this permit renewal for the addition of various drying agents to contaminated soil that have high moisture content (10 to 30 percent) to improve screening performance and/or rate of transfer through the thermal treatment as described in Form P, Sections 3.1 and 4.2 and Table 2.

a. Only the following, commercially-available drying agents may be utilized to reduce the contaminated soil's moisture content and to condition the contaminated soil to improve screening performance and/or rate of transfer through the thermal treatment are:

A. Diatomaceous Earth
B. Sand
C. Clay
D. Vermiculite
E. Lime
F. Lime Kiln Dust (LKD)
G. Cement Kiln Dust (CKD)
H. Portland Cement (PC)

For the purpose of minor permit modification, the commercially-available drying agents listed in Condition No. 30.a.A–E shall consist of virgin-source materials not otherwise contaminated by use or by the addition or introduction of other materials, either pre- or post-mining and/or manufacturing. These drying agents shall also meet the acceptance concentration limits for non-LKD/CKD/PC drying agents, as contained in Form R. Soils not otherwise captured by the list of commercially-available drying agents listed in Condition No. 30.a.A-E shall not be mixed or blended with contaminated soils except to the extent that contaminated soils removed from storage from Area 2 or 3 may be blended at screening area or working stock pile area to modify consistency or improve material handling characteristics in Sections 3.1 and 4.2 of Form P.

Any soil mixtures resulting from the use of the commercially-available drying agents listed in Condition No. 30.a.F-H shall be managed as a waste. Additionally, each new source of LKD/CKD/PC shall meet, and be accepted in accordance with, the pre-acceptance procedures for drying agents specified in Form R, unless the material is a "coproduct." If the LKD/CKD/PC has been determined to be a "coproduct" pursuant to the requirements specified in 25 Pa. Code 287.8 or 287.9, a notification by the permittee to that effect shall be submitted for approval

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by the Department for each source of LKD/CKD/PC proposed to be used as a drying agent. Each notification shall include supporting documentation that the permittee's use of the material is consistent with the original coproduct determination.

b. On an annual basis, the suppliers/manufacturers of each drying agent utilized by the permittee must provide, or the permittee shall otherwise obtain, an analysis for total metals to ensure compliance with the limits referenced in Table FP-1b of the Department's August 7, 2010, Management of Fill Policy.

c. A drying agent listed in Condition No. 30.a.A-E, above, may be used as a conditioner prior to soil processing only if the drying agent first meets the Department's clean fill numerical limits as specified in the Tables FP-1a and FP-1b of the Department's August 7, 2010, Management of Fill policy prior to mixing or blending with any other material.

d. The maximum amount of drying agent, either singly or in combination with other drying agents, which may be applied to contaminated soil as a conditioner prior to processing shall not exceed 7.0 percent, by weight, of the contaminated soil to be processed.

e. Storage areas for the drying agents (SDA) listed in Condition No. 30.a.A–E, above, are designated on Drawing D-001. The drying agents listed in Condition No. 30.a.F–H, above, shall either be stored inside the processing building, in the same manner as a waste, or outside the building in closed containers or a closed storage unit, as shown in Drawing D-001.

f. Processed soils resulting from the processing of mixtures of contaminated soil and a drying agent listed in Condition No. 30.a.A-E, above, shall be considered dewasted pursuant to 25 Pa. Code 287.7(b), provided that the following terms are satisfied:

i. The processed soil/drying agent mixture meets the clean fill numerical limits as specified in the Tables FP-1a and FP-1b of the Department's August 7, 2010, Management of Fill Policy.

ii. The use of the processed soil is limited to use as a daily cover at a permitted landfill, provided that the use is also authorized pursuant to the receiving landfill's permit.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Permit
For
Solid Waste Disposal and/or Processing Facility
FORM NO. 8

Permit No. 301220
Date Issued December 18, 2012
Date Expired March 30, 2022

If either Condition 30.f.i or 30.f.ii are not met, then the processed soil shall be managed as a waste pursuant to 25 Pa. Code 287.7(c) and this permit, unless some end use mechanism or approval, outside of this permit, provides for or otherwise authorizes the use of the specific soil/drying agent mixture in a different manner. In the latter case, the soil/drying agent mixture may be managed in accordance with the end use mechanism or approval once removed from this facility.

g. Processed soils resulting from the processing of mixtures of contaminated soil and a drying agent listed in Condition No. 30.a.F-H, above, shall be managed as a waste pursuant to this permit, unless some end use mechanism or approval, outside of this permit, provides for or otherwise authorizes the use of the specific soil/drying agent mixture in a different manner. In the latter case, the soil/drying agent mixture may be managed in accordance with the end use mechanism or approval once removed from this facility

h. Material accepted at the facility shall not contain free liquids and shall pass the paint filter liquids test.

i. No approval conveyed pursuant to this permit modification is intended to be, nor shall be it be in any way construed as, a warrantee or guarantee of the suitability of a processed soil/drying agent mixture to meet or otherwise satisfy any physical, chemical or structural performance specification for the selected end use of said mixture. Any such determination is solely the responsibility of the permittee and/or the end user.

j. Except as expressly described herein, no other changes to the facility's permit are made as a result of this permit modification.

31. The facility is permitted for an initial amount not to exceed 15,000 cy of processed soil and 2,500 cy of Soil Substitute to be stored within the Processed Soil Storage Area, as indicated in Drawing No. D-001A listed in Condition No. 1, above, and as specified in Condition 29.b.ii, above. Upon a written request by the permittee and with the Department's written approval, the facility may be allowed to store up to a maximum of 22,500 cy of processed soil and 2,500 cy of Soil Substitute in this storage area as described in Drawing No. D-001 listed in Condition No. 1, above. The facility may tier its bonding to coincide with the desired storage limits, by increasing its bonding, and corresponding storage limitation, from 17,500 cy to 25,000 cy, either singly or incrementally.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Permit
For
Solid Waste Disposal and/or Processing Facility
FORM NO. 8

Permit No. 301220
Date Issued December 18, 2012
Date Expired March 30, 2022

32. Within 90 days of the date of issuance of this permit, Form 19R, Certification of Facility Construction Activity, must be submitted to the Department's Southeast Regional Office demonstrating that all storage areas at the facility are compliant with this approved permit. The construction certification shall include the improvements proposed at the facility.

33. The bond between the permittee and the Department in the amount of $2,810,000.00 is hereby incorporated as part of this permit. This bond reflects the storage of 22,500 cy of processed soil and 2,500 cy Soil Substitute to be stored within the Processed Soil Storage Area (105' x 360'), as described in Conditions 29.b.ii and 31, above. Within 90 days of the date of issuance of this permit, the permittee shall have posted a replacement or an additional bond to increase the current bond amount to the amount approved herein. Thereafter, upon receipt of written notice from the Department, this bond will have to be updated within 90 days in accordance with Chapter 287 of the Residual Waste Regulations. Should the permittee desire increase its storage limitation as described in Condition 31, above, a new or increased bond amount shall be posted prior to the storage of any increased volume of processed material.

Re 30 (GJS12WM)352-4a

THIS PERMIT IS NON - TRANSFERABLE

APPENDIX 10B

CLEAN EARTH OF PHILADELPHIA ANALYTICAL REQUIREMENTS

PARAMETERS		TOTAL PETROLEUM HYDROCARBONS (TPHC): GRO & DRO - Expanded to C44 (GRAB SAMPLE)	BTEX (GRAB SAMPLE)	TOX (GRAB SAMPLE)	TOTAL VOLATILE ORGANICS (GRAB SAMPLE)	TOTAL SEMI VOLATILE ORGANICS (GRAB	TOTAL METALS	TCLP METALS *RCRA + Cu, Ni, Zn*	IGNITABILITY	CORROSIVITY (PH)	REACTIVITY - SULFIDE AND CYANIDE	PCBs	TOTAL SULFUR	TCLP VOLATILE ORGANICS (GRAB SAMPLE)	TCLP SEMI VOLATILE ORGANICS	TCLP HERBICIDES	TCLP PESTICIDES
METHODS			8015M (expanded to C44)	8260B	9023	8260B	8270D	6010	1311/6010	1010A	9040C	SW846 CHAPTER 7.3	8082A	ASTM D129 or equivelent	1311/ 8260B	1311/ 8270D	1311/ 8151A	1311/ 8081B
	FREQUENCY																	
***VIRGIN PETROLEUM (see below "*" for residential requirements and definition)**	Grab Sample Every 250 tons		X															
	Grab - every 1000 tons			X														
	5 point composite - every 1000 tons							X	X	X	X	X						
Limit (mg/Kg)			GRO <30,000; DRO <100,000		1,000	30,000		End Use Criteria	Below RCRA Toxicity Level	Negative	> 2 - <12.5	Sulfide <500 Cyanide <250	<48	No Limit	Below RCRA Toxicity Level	Below RCRA Toxicity Level	Below RCRA Toxicity Level	Below RCRA Toxicity Level
HISTORIC FILL/ WASTE PETROLEUM/ USED (WASTE) OIL	Grab Sample Every 250 tons		X															
	Grab - every 1000 tons					X									X			
	5 point composite - every 1000 tons						X	X	X	X	X	X	X			X	X	X
Limit (mg/Kg)			GRO <30,000; DRO <100,000		1,000	30,000		End Use Criteria	Below RCRA Toxicity Level	Negative	> 2 - <12.5	Sulfide <500 Cyanide <250	<48	No Limit	Below RCRA Toxicity Level	Below RCRA Toxicity Level	Below RCRA Toxicity Level	Below RCRA Toxicity Level
MGP (COAL TAR)	Grab Sample Every 250 tons		X															
	Grab - every 1000 tons				X	X									X			
	5 point composite - every 1000 tons						X	X	X	X	X	X	X	X		X	X	X
Limit (mg/Kg)			GRO <30,000; DRO <100,000		1,000	30,000		End Use Criteria	Below RCRA Toxicity Level	Negative	> 2 - <12.5	Sulfide <500 Cyanide <250	<48	No Limit	Below RCRA Toxicity Level	Below RCRA Toxicity Level	Below RCRA Toxicity Level	Below RCRA Toxicity Level

(1) The methods provided are standard EPA methods. The method revisions are subject to change and the most current method should always be utilized by the laboratory.

This is to be used as a guideline for sampling. Sampling frequencies and parameter requirements may be modified at the discretion of the CE Approval staff based items such as site history, levels of contamination and/or source of contamination, etc.

***Virgin petroleum soils, less than 50 tons from a residential source require only TPH-DRO to C44(EPA 8015M) and TOX(EPA 9023) analysis for acceptance into Clean Earth of Philadelphia. Residential is defined as a single family or multiple unit dwelling containing no more than 4 units and cannot be part of a commercial building.**

APPENDIX 11

WORKER PROTECTION PLAN FOR DRILLED SHAFT EXCAVATION

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Worker Protection Plan for Drilled Shaft Excavation: Area 4 - Baker Site NY Approach Pier 10 & Pier 11

Goethals Bridge Replacement Project

Staten Island, NY – Elizabeth, NJ

Prepared for:

KIEWIT-WEEKS-MASSMAN, AJV

470 Chestnut Ridge Road

Woodcliff Lake, NJ 07677

Prepared by:

PT CONSULTANTS, INC.

629 Creek Road

Bellmawr, NJ 08031

(856)251-9980 / fax (856)931-1849

March 2015

Table of Contents

1.0 Introduction

1.1 General

This Worker Protection Plan (herein referred to as the "Plan") provides the means and methods by which KWM protect its workers from chemical exposure during the drilled shaft excavation in Area 4 – Baker Site. The anticipated duration of the Area 4 drilled shafts excavation work is approximately 2 weeks.

This Plan has been developed to ensure the appropriate protection for personnel working on this project in regard to potential exposure to the following contaminants:

- Metals (including primarily lead and nickel);
- Semi-volatile polycyclic aromatic hydrocarbons (PAHs)-aromatic hydrocarbons;
- Polychlorinated biphenyls (PCB's); and
- Petroleum hydrocarbons

1.2 Site Characterization

Field sampling has been performed and Disposal Characterization reports were prepared by PT Consultants, Inc. for the sites being remediated. Those reports are not included herein, but are referenced as the source document that establishes the limits and depths of excavation being done under this plan.

The Contractor anticipates the following trades conducting the following activities onsite:

Task	Trades	Work Location
Drilled Shaft Excavation	Operating Engineer, Dockbuilder	NY EB Pier 10, Pier 11 NY WB Pier 10, Pier 11

This plan establishes procedures for excavating and loading the impacted soil. It also requires the establishment of work areas and containment, conducting exposure monitoring, and identifying protective clothing and equipment including respiratory protection. It addresses workplace hygiene, housekeeping, medical surveillance as required, employee training and notification procedures. The methodologies and approaches used within this plan have been written in accordance with applicable federal, state and local regulations that have been identified as pertaining to this work as well as prudent industrial hygiene practices.

1.3 Responsible Parties

All excavation, stockpiling and soil handling shall be overseen by the Contractors onsite superintendent.

2.0 Worker Hazard Management Program

2.1 Sequence of Operations

While the primary activities to be conducted are outlined in the table above, the anticipated sequence of steps is as follows:

- Permanent steel casing, 7'-00" in diameter, will be driven to the top of rock.
- A drill rig will be used to excavate soil and rock from the casing.
- Soil will be moved from the drill location to the stock pile location with a loader.

2.2 Dry Decontamination

All vehicles shall be brushed down within the remedial action work area to remove solid material or other encrusted material. Brushing shall be conducted using a stiff brush and/or shop vacuum designed for such materials. Stubborn deposition may be removed through scrapping or chipping. Additionally, limited use of solvents or detergent is also permitted. Volume of cleaning solution shall be minimized as all waste water/liquid must be captured, collected and drummed for future characterization and disposal.

2.3 *Wash Do*wn

Where the Dry Decontamination Method is not appropriate, a wash down method can be utilized. This approach is likely to be required when washing down drilling tools prior to being transported to the next pier location. A product such as Simple Green should provide the oil removing properties required and the environmental safety properties desired.

The cleaning steps are as follows:

a) Apply the cleaning solution to each surface in question via a pump spray mist, aerosol spray, or cloth soaked in the cleaning solution. Control the application so that little or none of the cleaning solution puddles in the equipment decontamination area. Make sure that all surfaces are wetted.

b) Use scrubbing bushes or pads, if necessary, to loosen any visible dirt, stains, or grease and then wipe down all surfaces with clean absorbent towels to clean and dry. For larger items, it may be appropriate to clean the equipment in sections.

c) Place used scrubbers and absorbent pads in an appropriately labeled DOT approved container for future disposal

d) Rinse the equipment with a high-pressure (1,500 psi), high temperature steam cleaner. Collect and store any rinse liquids in an appropriately labeled DOT approved container for future disposal,

e) Repeat steps 2 and 3 as needed until equipment is free of contaminants for use within the Project ROW for non-Remedial Action work

f) Personnel, leaving the equipment cleaning area, must clean and store, or discard all PPE, as appropriate.

3.0 Coordinating Work Activities with Other Trades and Site Operations

All excavation and related work shall be coordinated with other onsite personnel to ensure that workers not involved in the soil remediation effort are not in the work area.

4.0 Work Area Preparation, Emission Controls and Hygiene Facilities

4.1 Preparation

Excavation work areas shall be delineated with appropriate hazard warning tape to establish the perimeter beyond which only workers involved with the actual task at hand may enter. This tape shall be erected no less than 20 feet from the excavation site. For the purposes of this work, the area inside this tape shall be considered the Exclusion Zone. Workers entering within this area shall be required to wear the appropriate personal protective equipment established in Sections 6.0 and 9.0.

4.2 Emission Controls

Based on the nature of the soil being handled, visible emission of dust or particulates is not expected. Such emissions are directly related to the degree of moisture in the soil.

4.3 Hygiene Facilities

While exposure levels above the OSHA Permissible Exposure Limit (PEL) for any of the chemical products are not anticipated, hygiene facilities for worker use need to be readily available. This includes, at a minimum, that a hand-wash station will be provided with running water, soap, and towels to wash hands and face before breaks, lunch, and at the end of the work day. In the unlikely event that exposure monitoring establishes that a metal PEL has been exceeded, the need to maintain additional personal hygiene controls such as providing showers will be considered. Exceedances of other PEL's for non-particulate contaminants will also be reviewed and appropriate protective measures taken where needed.

5.0 Exposure Monitoring

5.1 Personal Monitoring

Personal monitoring is conducted to ensure that worker exposures to contaminants are within acceptable levels as defined by the Occupational Safety and Health Administration (OSHA). This monitoring is conducted through integrated air sampling. A known volume of worksite air is collected through the use of a personal monitoring pump that samples air within the workers breathing zone. The sample cartridge is forwarded to a qualified laboratory that provides the sample results in units of micrograms of contaminant per cubic meter of air (ug/m3). In the case of lead, this value is compared to the OSHA Permissible Exposure Limit (PEL) of 50 ug/m3 and the Action Limit (AL) of 30 ug/m3. Exceeding either of these established limits triggers various requirements of the lead standard. In the case of nickel, the PEL is 1.0 milligrams per cubic meter (mg/m3). It should be noted that the same sample cassette used to sample for lead can also be analyzed for other metals including nickel: that is, one cassette can be analyzed for several contaminants.

Personal monitoring results are associated with the particular task being conducted. It represents the potential exposure associated with an operation when it is conducted in a certain manner. In typical situations, sampling a particular operation at three different times usually provides a reliable estimate of actual exposure. For the purposes of this project, air monitoring shall be conducted when a particular operation first commences.

Initial monitoring consists of a minimum of five sampling episodes conducted at the start of the project for each distinct set of tasks or potential exposure profile. While the number of workers involved in the sampling effort will vary based on the number of workers performing that work, samples should be collected from the different tasks/titles involved in the work. It is anticipated that the sampling events will be as follows:

a) Sample one (1) operator and two (1) dock builder while excavation work is underway
b) Sample two (1) laborer while decontaminating vehicles and equipment.

6.0 Notification of Monitoring Results

All employees shall be notified of monitoring results, in writing, within 5 working days of the Contractor's receipt of the results. If the results indicate that exposures are above the Permissible Exposure Limit (PEL), the written notice shall state that this is the case and identify corrective action to be taken to reduce employee exposure to below the PEL.

7.0 Medical Surveillance and Medical Removal Program

In the unlikely event that exposure monitoring confirms that Contractor workers are exposed above the OSHA AL, the Contractor shall make available initial medical surveillance as detailed in 29 CFR 1926.62 (j). A similar approach shall be taken with nickel, although there isn't a specific OSHA standard for nickel as there is for lead. In the event that workers are exposed above the AL for lead for more than 30 days in any consecutive 12 month period, the Contractor shall institute a medical surveillance program that includes biological monitoring and medical examinations and consultation.

8.0 Respiratory Protection

Respiratory selection will be based upon the airborne concentrations of lead and or nickel to which workers are exposed. In order to adequately protect workers during the initial exposure monitoring activities, OSHA has established minimum acceptable respiratory protection based on the nature of the operation. These respiratory requirements (focusing on filtration respirators) are described in the following table:

Anticipated Airborne Concentrations of Lead	**Required Respirator**
Not in excess of 500 $\mu g/m^3$	- ½ mask air purifying respirator (APR) with high efficiency (HEPA)/P100 cartridges
Not in excess of 2,500 $\mu g/m^3$	- Full facepiece APR with high efficiency (HEPA)/P100 cartridges
Not in excess of 50,000 $\mu g/m^3$	- Full facepiece Powered APR with high efficiency (HEPA)/P100 cartridges

Laborers working on the ground shall be equipped with half face negative pressure respirators with P100 cartridges. Respiratory protection for operators working within closed vehicle cabs is not anticipated. In the event that odor is significant, real time monitoring for volatiles should be conducted to ensure that the soil is not saturated by flammable or combustible materials that may pose a fire hazard.

Selection, use, cleaning, storage and inspection of respirators will be performed in accordance with the Contractors Respiratory Protection Program. All use of respirators shall be under the direction of a written Respiratory Protection Program over seen by the Contractors Respiratory Program Administrator. All workers wearing respirators shall be medically cleared and fit tested.

9.0 Personal Protective Equipment

All laborers and dock builders involved in excavation related activities or decontamination activities shall wear disposable coveralls. If the potential to contact free standing oil or similar sources of contamination are present, then disposable coverall will serve to minimize contamination of worker personal clothing. These coveralls also serve to minimize the potential exposure to metal particulates, especially to workers after working hours and to their family members as dust contaminated with lead or other contaminants may be brought home on work clothes.

All coveralls shall be donned prior to the commencement of work and removed before leaving the work area in the designated warm zone (area immediately adjacent to the exclusion zone in which workers dress to enter the exclusion zone). Lead and nickel related PPE including respirators and coveralls shall not be worn in areas used for eating, drinking or smoking. All disposable coveralls and shoe coverings shall be disposed of as potentially lead contaminated waste in the provided drums in the warm zone.

In addition to the above, workers shall wear safety glasses at all times while work is being conducted.

10.0 Housekeeping

This section requires that all surfaces be maintained as free as possible of accumulations of lead. Cleaning of such surfaces, as required, will be conducted using wet methods and/or HEPA vacuums. The use of compressed air to remove dust from surfaces is prohibited. In the unlikely event that air monitoring establishes that exposures are approaching the AL, appropriate steps will be taken to ensure worker protection under the direction of the Contractors CIH consultant.

11.0 Hazardous Waste Management

All material to be disposed of, including soil, disposable PPE, plastic sheeting, ground cover, etc. shall be characterized prior to disposal to determine whether the material is hazardous or non-hazardous and to determine the ultimate disposal location. Alternatively, the assumption that the material is hazardous can be made in the absence of characterization, with the material being disposed of accordingly. All disposal shall be conducted in a manner consistent with NYCDEP, NYSDEC and US EPA requirements.

12.0 Employee Training

All workers who are potentially exposed to site contaminants shall be trained in the recognition of potential health hazards and steps that workers may take to protect themselves. The training program will be given prior to the time of job assignments. The drill rig operator and dock builder will be required to have OSHA 40 Hour HAZWOPER Training certification.

13.0 Emergency Procedures, Contacts and Medical Services

All emergencies shall be immediately reported to the onsite superintendent, who shall in turn notify the Port Authority Resident Engineer. In the case of a medical emergency that requires immediate assistance, contacting appropriate medical assistance will be the first priority with notification to the Port Authority to follow immediately thereafter. Depending on the location of the emergency, it may be critical to ensure that the Port Authority Police are notified as first responder access to the site might otherwise be compromised and medical support delayed.

The following table includes the contacts that should be notified of any onsite emergency. Any additional authorities shall be identified by the owner and added to this table:

Name	Title	Organization	Phone Number
Keri Pastore	Resident Engineer	Port Authority	201-595-4865
Port Authority Police	Comm. Desk	Port Authority	718-390-2502
Dan Hollis	Safety Manager	KWM	724-479-4453
Terence Normoyle	Safety Manager	KWM	312-446-5930
Paul Beljan	Project Director	KWM	908-409-4302

The nearest hospital is Trinitas Hospital, which is located at 225 Williamson Street, Elizabeth, New Jersey 07202. The hospital phone number is (908) 994-7000. A map to the hospital, including directions from the jobsite has been provided as Appendix B to this document.

14.0 Recordkeeping

A daily report will be prepared which will document any safety or environmental deficiencies, shortcomings or concerns as well as the corrective actions taken to remedy or correct the concern. Copies of worker credentials including respirator fit tests results, medical clearance results, and biological monitoring results (if applicable) shall also be maintained at the KWM office with appropriate copies available onsite. KWM will also have a safety manager periodically on-site.

15.0 Referenced Documents

- Materials Handling Plan for Excavation of Drilled Shafts in Area 4, Prepared by PT Consultants

APPENDIX 12

NY2C Permit – SPDES # NY-0276693 – Construction Dewatering

New York State Department of Environmental Conservation
Division of Environmental Permits, Region 2
47-40 21ST Street, Long Island City, NY 11101-5407
Phone: (718) 482-4997 • **FAX:** (718) 482-4975
Website: www.dec.ny.gov

Joe Martens
Commissioner

January 21, 2015

Paul Beljan
Kiewit-Weeks_Massaman, AJV
470 Chestnut Ridge Road
Woocliff Lake, NJ 07677

Re: NYSDEC Permit # 2-6403-00037/00029
SPDES # NY-0276693
Facility: PANYNJ Goethals Bridge Replacement

Dear Mr. Beljan:

Enclosed is your State Pollution Discharge Elimination System (SPDES) permit. It is effective beginning January 22, 2015 and expires on January 21, 2020.

Please read all permit conditions carefully. All permit documents must be available upon request by the Department staff and must be distributed to and understood by personnel responsible for the proper operation of the facility and compliance with the discharge limits. Any violation of these permit conditions constitutes a violation of the Environmental Conservation Law.

Be advised, the Uniform Procedures Regulations (6NYCRR Part 621) provide that an applicant may request a public hearing if a permit is denied or contains conditions which are unacceptable to them. Any such request must be made in writing within 30 calendar days of the date of permit issuance and must be addressed to the Regional Permit Administrator at the letterhead address. A copy should also be sent to the Chief Administrative Law Judge at NYSDEC, 625 Broadway, 1st Floor, Albany, NY 12233-1550.

If you have any other questions regarding this permit, you may contact the Division of Environmental Permits at the above address. Please refer to the above referenced numbers when you are corresponding with this office or when you are applying to renew or modify this permit.

Any questions regarding the annual pollutant discharge elimination fee should be addressed to the Regulatory Fee Determination Unit at 1-800-225-2566.

Sincerely,

Stephen A. Watts III
Deputy Regional Permit Administrator
Division of Environmental Permits

cc: NYSDEC RWE
NYSDEC CO BWP
NYCDEP
Chan Chakrabarti, NYSDEC DOW
NYC Dept. of Health
IEC
EPA
File

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

State Pollutant Discharge Elimination System (SPDES)
DISCHARGE PERMIT

Industrial Code:	1794	SPDES Number:	NY 0276693
Discharge Class (CL):	04	DEC Number:	2-6403-00037/00029
Toxic Class (TX):	N	Effective Date (EDP):	January 22, 2015
Major Drainage Basin:	17	Expiration Date (ExDP):	January 21, 2020
Sub Drainage Basin:	01	Modification Dates: (EDPM)	
Water Index Number:	(NW1.2) SI (portion 2)		
Compact Area:	IEC		

This SPDES permit is issued in compliance with Title 8 of Article 17 of the Environmental Conservation Law of New York State and in compliance with the Clean Water Act, as amended, (33 U.S.C§1251 et.seq.)(hereinafter referred to as "the Act").

PERMITTEE NAME AND ADDRESS

Name:	Port Authority of New York and New Jersey	Attention:	Mr. James Blackmore		
Street:	Two Montgomery Street				
City:	Jersey City	State:	NJ	Zip Code:	07302

is authorized to discharge from the facility described below:

FACILITY NAME AND ADDRESS

Name:	Goethals Bridge Replacement											
Location (C,T,V):	Richmond							County:				
Facility Address:	Gulf Avenue											
City:	Staten Island						State:	NY	Zip Code:	10305		
From Outfall No.:	001(DSN002A)	at Latitude:	40 °	37 '	49.5 "	& Longitude:	74 °	11 '	16.5588 "			
into receiving waters known as:	Old Place Creek									Class:	SD	

and (list other Outfalls, Receiving Waters & Water Classifications)
002 (GBRP002, Arthur Kill, SD)

in accordance with: effluent limitations; monitoring and reporting requirements; other provisions and conditions set forth in this permit; and 6 NYCRR Part 750-1and 750-2.

DISCHARGE MONITORING REPORT (DMR) MAILING ADDRESS

Mailing Name:	Kiewit-Weeks-Massman, AJV				
Street:	470 Chestnut Ridge Road				
City:	Woodcliff Lake	State:	NJ	Zip Code:	07677
Responsible Official or Agent:	Paul Beljan, Project Director			Phone:	(201) 832-0498

This permit and the authorization to discharge shall expire on midnight of the expiration date shown above and the permittee shall not discharge after the expiration date unless this permit has been renewed, or extended pursuant to law. To be authorized to discharge beyond the expiration date, the permittee shall apply for permit renewal not less than 180 days prior to the expiration date shown above.

DISTRIBUTION:

CO BWP - Permit Coordinator
RWE
RPA
EPA Region II - Michelle Josilo
SPDES Mailing List

Permit Administrator: John Cryan

Address: NYS Department of Environmental Conservation
Division of Environmental Permits - Region 2
47-40 21st Street
Long Island City, NY 11101

Signature: John J. Cryan Date: 01/21/2015

PERMIT LIMITS, LEVELS AND MONITORING DEFINITIONS

OUTFALL	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
	This cell describes the type of wastewater authorized for discharge. Examples include process or sanitary wastewater, storm water, non-contact cooling water.	This cell lists classified waters of the state to which the listed outfall discharges.	The date this page starts in effect. (e.g. EDP or EDPM)	The date this page is no longer in effect. (e.g. ExDP)

PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQ.	SAMPLE TYPE
e.g. pH, TRC, Temperature, D.O.	The minimum level that must be maintained at all instants in time.	The maximum level that may not be exceeded at any instant in time.	SU, °F, mg/l, etc.	See below	See below

PARAMETER	EFFLUENT LIMIT or CALCULATED LEVEL	COMPLIANCE LEVEL / ML	ACTION LEVEL	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE
	Limit types are defined below in Note 1. The effluent limit is developed based on the more stringent of technology-based limits, required under the Clean Water Act, or New York State water quality standards. The limit has been derived based on existing assumptions and rules. These assumptions include receiving water hardness, pH and temperature; rates of this and other discharges to the receiving stream; etc. If assumptions or rules change the limit may, after due process and modification of this permit, change.	For the purposes of compliance assessment, the permittee shall use the approved EPA analytical method with the lowest possible detection limit as promulgated under 40CFR Part 136 for the determination of the concentrations of parameters present in the sample unless otherwise specified. If a sample result is below the detection limit of the most sensitive method, compliance with the permit limit for that parameter was achieved. Monitoring results that are lower than this level must be reported, but shall not be used to determine compliance with the calculated limit. This ML can be neither lowered nor raised without a modification of this permit.	Action Levels are monitoring requirements, as defined below in Note 2, which trigger additional monitoring and permit review when exceeded.	This can include units of flow, pH, mass, temperature, or concentration. Examples include µg/l, lbs/d, etc.	Examples include Daily, 3/week, weekly, 2/month, monthly, quarterly, 2/yr and yearly. All monitoring periods (quarterly, semiannual, annual, etc) are based upon the calendar year unless otherwise specified in this Permit.	Examples include grab, 24 hour composite and 3 grab samples collected over a 6 hour period.

Notes:

1. EFFLUENT LIMIT TYPES:
   a. DAILY DISCHARGE: The discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for the purposes of sampling. For pollutants expressed in units of mass, the 'daily discharge' is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the 'daily discharge' is calculated as the average measurement of the pollutant over the day.
   b. DAILY MAX: The highest allowable daily discharge. DAILY MIN: The lowest allowable daily discharge.
   c. MONTHLY AVG: The highest allowable average of daily discharges over a calendar month, calculated as the sum of each of the daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.
   d. 7 DAY ARITHMETIC MEAN (7 day average): The highest allowable average of daily discharges over a calendar week.
   e. 30 DAY GEOMETRIC MEAN: The highest allowable geometric mean of daily discharges over a calendar month, calculated as the antilog of: the sum of the log of each of the daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.
   f. 7 DAY GEOMETRIC MEAN: The highest allowable geometric mean of daily discharges over a calendar week.
   g. RANGE: The minimum and maximum instantaneous measurements for the reporting period must remain between the two values shown.

2. ACTION LEVELS: Routine Action Level monitoring results, if not provided for on the Discharge Monitoring Report (DMR) form, shall be appended to the DMR for the period during which the sampling was conducted. If the additional monitoring requirement is triggered as noted below, the permittee shall undertake a short-term, high-intensity monitoring program for the parameter(s). Samples identical to those required for routine monitoring purposes shall be taken on each of at least three consecutive operating and discharging days and analyzed. Results shall be expressed in terms of both concentration and mass, and shall be submitted no later than the end of the third month following the month when the additional monitoring requirement was triggered. Results may be appended to the DMR or transmitted under separate cover to the same address. If levels higher than the Action Levels are confirmed, the permit may be reopened by the Department for consideration of revised Action Levels or effluent limits. The permittee is not authorized to discharge any of the listed parameters at levels which may cause or contribute to a violation of water quality standards.

PERMIT LIMITS, LEVELS AND MONITORING

OUTFALL	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
001	Construction Dewatering	Old Place Creek (via DSN002A)	EDP	ExDP

PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FOOTNOTES (FN)
pH	6.0	9.0	SU	Monthly	Grab	

PARAMETER	EFFLUENT LIMIT or CALCULATED LEVEL		COMPLIANCE LEVEL/ ML	ACTION LEVEL	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Monthly Avg	Daily Max						
Flow		0.231			MGD	Daily	Calculated	
Total Suspended Solids		50			mg/l	Monthly	Grab	
Oil & Grease		15			mg/l	Monthly	Grab	
Tetrachloroethene				0.026	mg/l	Monthly	Grab	
Benzene				0.10	mg/l	Monthly	Grab	
Toluene				0.10	mg/l	Monthly	Grab	
Xylenes				0.10	mg/l	Monthly	Grab	
Ethylbenzene				0.10	mg/l	Monthly	Grab	
MTBE		Monitor			ug/l	Monthly	Grab	
PCBs per Aroclor				200	ng/l	Monthly	Grab	
Chromium				50	ug/l	Monthly	Grab	
Copper, Total				61	ug/l	Monthly	Grab	
Lead, Total				204	ug/l	Monthly	Grab	
Mercury				50	ng/l	Monthly	Grab	
Antimony				63	ug/l	Monthly	Grab	
Cadmium				77	ug/l	Monthly	Grab	
Nickel, Total				74	ug/l	Monthly	Grab	
Beryllium				11	ug/l	Monthly	Grab	
Selenium				50	ug/l	Monthly	Grab	
Silver				50	ug/l	Monthly	Grab	
Thallium				50	ug/l	Monthly	Grab	
Zinc, Total				66	ug/l	Monthly	Grab	

PERMIT LIMITS, LEVELS AND MONITORING

OUTFALL	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
002(GBRP002)	Noncontact Cooling Waters	Arthur Kill	EDP	ExDP

PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FOOTNOTES (FN)
pH	6.0	9.0	SU	Monthly	Grab	

PARAMETER	EFFLUENT LIMIT or CALCULATED LEVEL		COMPLIANCE LEVEL/ ML	ACTION LEVEL	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Monthly Avg	Daily Max						
Flow		0.384			MGD	Daily	Calculated	
Discharge Temperature	Monitor	Monitor			°F	Continuous	Recorded	
Intake-Discharge Temperature Difference		10			°F	Continuous	Calculated	
Total Suspended Solids		50			mg/l	Monthly	Grab	
Oil & Grease		15			mg/l	Monthly	Grab	

DISCHARGE NOTIFICATION REQUIREMENTS

(a) Except as provided in (c) and (g) of these Discharge Notification Act requirements, the permittee shall install and maintain identification signs at all outfalls to surface waters listed in this permit. Such signs shall be installed before initiation of any discharge.

(b) Subsequent modifications to or renewal of this permit does not reset or revise the deadline set forth in (a) above, unless a new deadline is set explicitly by such permit modification or renewal.

(c) The Discharge Notification Requirements described herein do not apply to outfalls from which the discharge is composed exclusively of storm water, or discharges to ground water.

(d) The sign(s) shall be conspicuous, legible and in as close proximity to the point of discharge as is reasonably possible while ensuring the maximum visibility from the surface water and shore. The signs shall be installed in such a manner to pose minimal hazard to navigation, bathing or other water related activities. If the public has access to the water from the land in the vicinity of the outfall, an identical sign shall be posted to be visible from the direction approaching the surface water.

The signs shall have **minimum** dimensions of eighteen inches by twenty four inches (18" x 24") and shall have white letters on a green background and contain the following information:

N.Y.S. PERMITTED DISCHARGE POINT

SPDES PERMIT No.: NY_____

OUTFALL No. :____

For information about this permitted discharge contact:

Permittee Name: _____

Permittee Contact: _____

Permittee Phone: ( ) - ### - ####

OR:

NYSDEC Division of Water Regional Office Address :

NYSDEC Division of Water Regional Phone: ( ) - ### -####

(e) For each discharge required to have a sign in accordance with a), the permittee shall, concurrent with the installation of the sign, provide a repository of copies of the Discharge Monitoring Reports (DMRs), as required by the **RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS** page of this permit. This repository shall be open to the public, at a minimum, during normal daytime business hours. The repository may be at the business office repository of the permittee or at an off-premises location of its choice (such location shall be the village, town, city or county clerk's office, the local library or other location as approved by the Department). In accordance with the **RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS** page of your permit, each DMR shall be maintained on record for a period of five years

(f) The permittee shall periodically inspect the outfall identification sign(s) in order to ensure they are maintained, are still visible, and contain information that is current and factually correct. Signs that are damaged or incorrect shall be replaced within 3 months of inspection.

DISCHARGE NOTIFICATION REQUIREMENTS (continued)

(g) All requirements of the Discharge Notification Act, including public repository requirements, are waived for any outfall meeting any of the following circumstances, provided Department notification is made in accordance with (h) below:

(i) such sign would be inconsistent with any other state or federal statute;

(ii) the Discharge Notification Requirements contained herein would require that such sign could only be located in an area that is damaged by ice or flooding due to a one-year storm or storms of less severity;

(iii) instances in which the outfall to the receiving water is located on private or government property which is restricted to the public through fencing, patrolling, or other control mechanisms. Property which is posted only, without additional control mechanisms, does not qualify for this provision;

(iv) instances where the outfall pipe or channel discharges to another outfall pipe or channel, before discharge to a receiving water; or

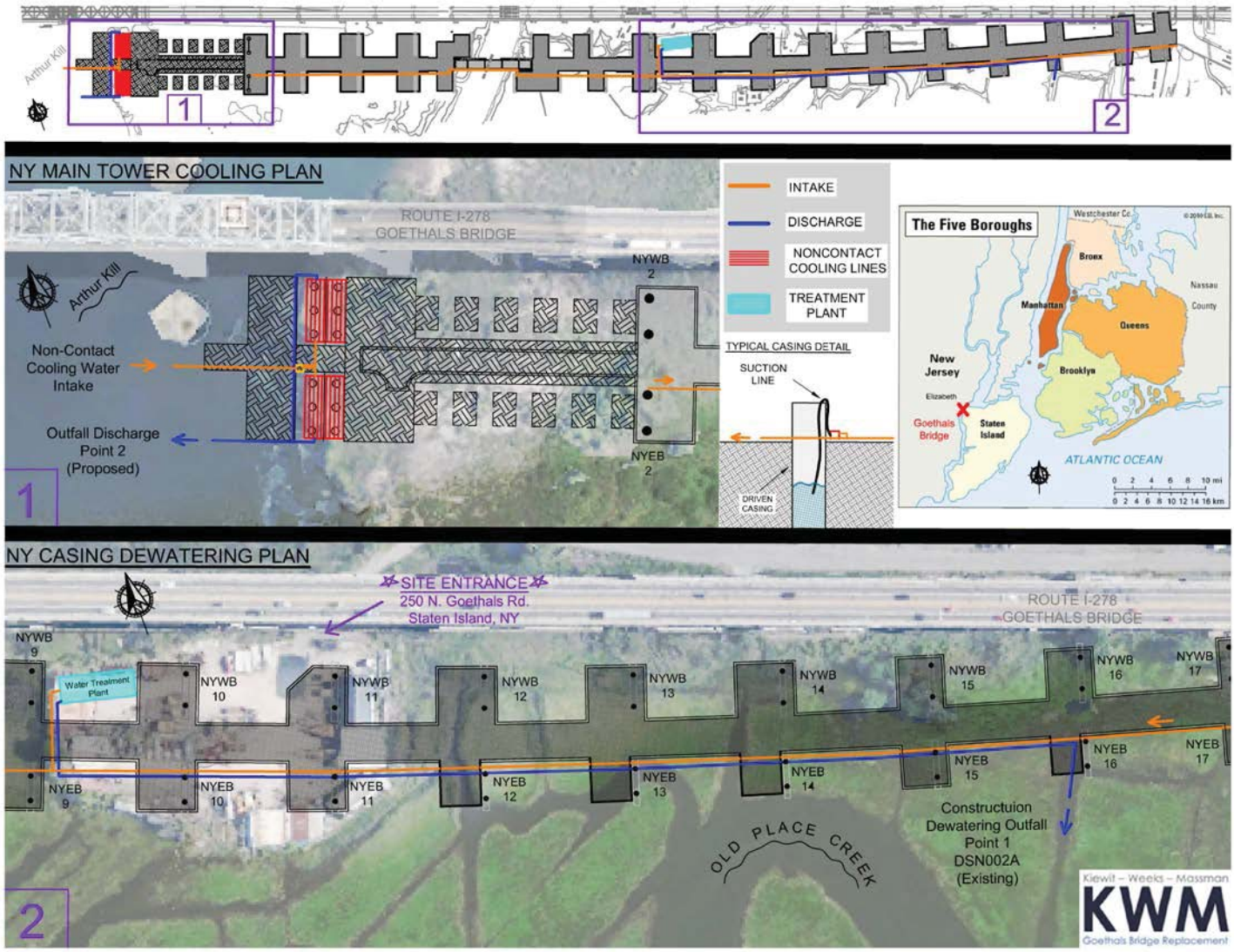
(v) instances in which the discharge from the outfall is located in the receiving water, two-hundred or more feet from the shoreline of the receiving water.

(h) If the permittee believes that any outfall which discharges wastewater from the permitted facility meets any of the waiver criteria listed in (g) above, notification (form enclosed) must be made to the Department's Bureau of Water Permits, 625 Broadway, Albany, N.Y. 12233-3505, of such fact, and, provided there is no objection by the Department, a sign and DMR repository for the involved outfall(s) are not required. This notification must include the facility's name, address, telephone number, contact, permit number, outfall number(s), and reason why such outfall(s) is waived from the requirements of discharge notification. The Department may evaluate the applicability of a waiver at any time, and take appropriate measures to assure that the ECL and associated regulations are complied with.

MONITORING LOCATIONS

The permittee shall take samples and measurements, to comply with the monitoring requirements specified in this permit, at the locations(s) specified below:

Prior to discharge into Arthur Kill and Old Place Creek samples to be taken before the specified Outfalls.



SPECIAL CONDITIONS

1) The permittee shall submit a quarterly sampling results report to the Regional Water Engineer, in addition to the annual report. The first report is due no later than the 28th day of the month following the first month of operation, with subsequent reports every quarter. The first report is for only one month.

The permittee shall submit copies of any document required by the above special condition to the NYSDEC Regional Water Engineer at the location listed under the section of this permit entitled RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS, unless otherwise specified in this permit or in writing by the Department.

GENERAL REQUIREMENTS

A. The regulations in 6 NYCRR Part 750 are hereby incorporated by reference and the conditions are enforceable requirements under this permit. The permittee shall comply with all requirements set forth in this permit and with all the applicable requirements of 6 NYCRR Part 750 incorporated into this permit by reference, including but not limited to the regulations in paragraphs B through I as follows:.

B. General Conditions

1. Duty to comply	6NYCRR Part 750-2.1(e) & 2.4
2. Duty to reapply	6NYCRR Part 750-1.16(a)
3. Need to halt or reduce activity not a defense	6NYCRR Part 750-2.1(g)
4. Duty to mitigate	6NYCRR Part 750-2.7(f)
5. Permit actions	6NYCRR Part 750-1.1(c), 1.18, 1.20 & 2.1(h)
6. Property rights	6NYCRR Part 750-2.2(b)
7. Duty to provide information	6NYCRR Part 750-2.1(i)
8. Inspection and entry	6NYCRR Part 750-2.1(a) & 2.3

C. Operation and Maintenance

1. Proper Operation & Maintenance	6NYCRR Part 750-2.8
2. Bypass	6NYCRR Part 750-1.2(a)(17), 2.8(b) & 2.7
3. Upset	6NYCRR Part 750-1.2(a)(94) & 2.8(c)

D. Monitoring and Records

1. Monitoring and records	6NYCRR Part 750-2.5(a)(2), 2.5(c)(1), 2.5(c)(2), 2.5(d) & 2.5(a)(6)
2. Signatory requirements	6NYCRR Part 750-1.8 & 2.5(b)

E. Reporting Requirements

1. Reporting requirements	6NYCRR Part 750-2.5, 2.6, 2.7 & 1.17
2. Anticipated noncompliance	6NYCRR Part 750-2.7(a)
3. Transfers	6NYCRR Part 750-1.17
4. Monitoring reports	6NYCRR Part 750-2.5(e)
5. Compliance schedules	6NYCRR Part 750-1.14(d)
6. 24-hour reporting	6NYCRR Part 750-2.7(c) & (d)
7. Other noncompliance	6NYCRR Part 750-2.7(e)
8. Other information	6NYCRR Part 750-2.1(f)
9. Additional conditions applicable to a POTW	6NYCRR Part 750-2.9
10. Special reporting requirements for discharges that are not POTWs	6NYCRR Part 750-2.6

F. Planned Changes

1. The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:

   a. The alteration or addition to the permitted facility may meet of the criteria for determining whether facility is a new source in 40 CFR §122.29(b); or
   b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, or to notification requirements under 40 CFR §122.42(a)(1); or
   c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

   In addition to the Department, the permittee shall submit a copy of this notice to the United States Environmental Protection Agency at the following address: U.S. EPA Region 2, Clean Water Regulatory Branch, 290 Broadway, 24th Floor, New York, NY 10007-1866.

GENERAL REQUIREMENTS continued

G. Notification Requirement for POTWs

1. All POTWs shall provide adequate notice to the Department and the USEPA of the following:
   a. Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to section 301 or 306 of CWA if it were directly discharging those pollutants; or
   b. Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
   c. For the purposes of this paragraph, adequate notice shall include information on:
      i. the quality and quantity of effluent introduced into the POTW, and
      ii. any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

POTWs shall submit a copy of this notice to the United States Environmental Protection Agency, at the following address: U.S. EPA Region 2, Clean Water Regulatory Branch, 290 Broadway, 24th Floor, New York, NY 10007-1866.

H. Sludge Management

The permittee shall comply with all applicable requirements of 6 NYCRR Part 360.

I. SPDES Permit Program Fee

The permittee shall pay to the Department an annual SPDES permit program fee within 30 days of the date of the first invoice, unless otherwise directed by the Department, and shall comply with all applicable requirements of ECL 72-0602 and 6 NYCRR Parts 480, 481 and 485. Note that if there is inconsistency between the fees specified in ECL 72-0602 and 6 NYCRR Part 485, the ECL 72-0602 fees govern.

J. Water Treatment Chemicals (WTCs)

New or increased use and discharge of a WTC requires prior Department review and authorization. At a minimum, the permittee must notify the Department in writing of its intent to change WTC use by submitting a completed *WTC Notification Form* for each proposed WTC. The Department will review that submittal and determine if a SPDES permit modification is necessary or whether WTC review and authorization may proceed outside of the formal permit administrative process. The majority of WTC authorizations do not require SPDES permit modification. In any event, use and discharge of a WTC shall not proceed without prior authorization from the Department. Examples of WTCs include biocides, coagulants, conditioners, corrosion inhibitors, defoamers, deposit control agents, flocculants, scale inhibitors, sequestrants, and settling aids.

1. WTC use shall not exceed the rate explicitly authorized by this permit or otherwise authorized in writing by the Department.
2. The permittee shall **maintain a logbook** of all WTC use, noting for each WTC the date, time, exact location, and amount of each dosage, and, the name of the individual applying or measuring the chemical. The logbook must also document that adequate process controls are in place to ensure that excessive levels of WTCs are not used.
3. The permittee shall **submit a completed *WTC Annual Report Form*** each year that they use and discharge WTCs. This form shall be attached to either the December DMR or the annual monitoring report required below.

The *WTC Notification Form* and *WTC Annual Report Form* are available from the Department's website at http://www.dec.ny.gov/permits/93245.html .

RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS

A. The monitoring information required by this permit shall be summarized, signed and retained for a period of at least five years from the date of the sampling for subsequent inspection by the Department or its designated agent. **Also, monitoring information required by this permit shall be summarized and reported by submitting;**

☐ (if box is checked) completed and signed Discharge Monitoring Report (DMR) forms for each ____ month reporting period to the locations specified below. Blank forms are available at the Department's Albany office listed below. The first reporting period begins on the effective date of this permit and the reports will be due no later than the 28th day of the month following the end of each reporting period.

☒ (if box is checked) an annual report to the Regional Water Engineer at the address specified below. The annual report is due by February 1 each year and must summarize information for January to December of the previous year in a format acceptable to the Department.

☐ (if box is checked) a monthly "Wastewater Facility Operation Report..." (form 92-15-7) to the:
☐ Regional Water Engineer and/or ☐ County Health Department or Environmental Control Agency specified below

Send the **original** (top sheet) of each DMR page to:
Department of Environmental Conservation
Division of Water, Bureau of Water Compliance
625 Broadway
Albany, New York 12233-3506

Phone: (518) 402-8177

Send an **additional copy** of each DMR page to:

Send the **first copy** (second sheet) of each DMR page to:
Department of Environmental Conservation
Regional Water Engineer
Region 2
1 Hunters Point Plaza
47-40, 21st Street
Long Island City, NY 11101

Phone: (718) 482-4930

B. Monitoring and analysis shall be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

C. More frequent monitoring of the discharge(s), monitoring point(s), or waters of the State than required by the permit, where analysis is performed by a certified laboratory or where such analysis is not required to be performed by a certified laboratory, shall be included in the calculations and recording of the data on the corresponding DMRs.

D. Calculations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

E. Unless otherwise specified, all information recorded on the DMRs shall be based upon measurements and sampling carried out during the most recently completed reporting period.

F. Any laboratory test or sample analysis required by this permit for which the State Commissioner of Health issues certificates of approval pursuant to section 502 of the Public Health Law shall be conducted by a laboratory which has been issued a certificate of approval. Inquiries regarding laboratory certification should be directed to the New York State Department of Health, Environmental Laboratory Accreditation Program.