

CONSTRUCTION PROCEDURES HANDBOOK

SECTION VI	SUBSECTION C-1	DATE
CONSTRUCTION OPERATIONS	POLLUTION CONTROL SYSTEM (CONTAINMENT PLAN, WASTE DISPOSAL PLAN , LEAD HEALTH AND SAFETY PLAN (LHASP) and EQUIPMENT STORAGE PLAN)	07/28/2017

Pollution Control System

The requirements of the Pollution Control System are specified in Subpart 554.03.01 of the Specifications. The Pollution Control System is to be submitted by the Contractor a minimum of 30 days before paint removal.

The Pollution Control System consists of 4 parts. They are the Containment Plan, Waste Disposal Plan the Lead Health and Safety Plan (LHASP) and the Equipment Storage Plan. Requirements regarding all 4 are stated below.

Three (3) weeks should be expected for this review of each plan.

Containment Plan

Ensure the name, address, and phone numbers of the RE, the job number for the project, and tentative starting dates are included with the submittal of the Containment Plan.

The RE will forward the Containment Plan working drawing portion of the Pollution Control System for review and approval to the Designer.

If revisions are required, the Designer will return the plan to the RE. The RE will return the plan to the Contractor for resubmission. The resubmission process is to be completed within a 14 day turnaround time.

The process for approval of working drawings as describe in the Working Drawing Manual is to be followed.

The RE will forward a copy of the approved Containment Plan to the Contractor and the Bureau of Maintenance Engineering.

Waste Disposal Plan

Ensure the name, address, and phone numbers of the RE, the job number for the project, and tentative starting dates are included with the submittal of the Waste Disposal Plan.

The RE will forward the Waste Disposal Plan for review and approval to:
Division of Environmental Resources
1035 Parkway Avenue
P. O. Box 600
Trenton, New Jersey 08625

Three (3) weeks should be expected for this review.

If revisions are required, the Division of Environmental Resources will return the plans to the RE. The RE will return the plans to the Contractor for resubmission. The resubmission process is to be completed within a 14 day turnaround time.

When the Waste Disposal Plan is found acceptable, the Division of Environmental Resources will stamp the plan "accepted for conformance to specifications" return the original to the RE with a memorandum. The Division of Environmental Resources will retain a copy of the plan for their files. The RE will forward a copy of the approved Waste Disposal Plan to the Contractor and the Bureau of Maintenance Engineering.

Lead Health and Safety Plan (LHASP)

For projects that require a Lead Health and Safety Plan (LHASP) the Contractor will submit two copies of the LHASP to the RE 30 days before paint removal. The RE will forward the one copy of the LHASP for review and approval to:

New Jersey Department of Transportation
Bureau of Employee Safety, Division of Support Services
Main Office Building
1035 Parkway Avenue
PO Box 600
Trenton, New Jersey 08625

The name, address, and telephone number of the RE, the job number for the project and tentative starting dates shall be included with the LHASP submittal.

Three (3) weeks should be expected for the review process.

If revisions are required, the Bureau of Employee Safety, Division of Support Services will provide correspondence identifying the deficiencies in the plan to the RE. The RE will notify the Contractor of the deficiencies and the need for resubmission. The resubmission process is to be completed within a 14 day turnaround time.

When the LHASP is found acceptable by the Bureau of Employee Safety, Division of Support Services, they will notify the RE by memorandum and retain a copy of the plan for their files. The RE will retain a copy for the file and forward a copy of the approved LHASP to the Contractor and the following:

NJDOT Bureau of Emergency Management
NJDOT Bureau of Maintenance Engineering
Appropriate OSHA Office available at the following link:
<https://www.osha.gov/oshdir/nj.html>

N. J. Department of Health
P. O. Box 360
Trenton, New Jersey 08625
Attention: ABLES Project Coordinator
Occupational Health Surveillance Program

1. Monthly Certification Report and Baseline Sampling Data

During construction, five (5) copies of the written Monthly Certification Report (Sample A) and Baseline Sampling Data (Sample B) are to be forwarded by the Contractor to the RE for distribution to:

Bureau of Employee Safety, Division of Support Services

Bureau of Emergency Management

Appropriate OSHA Office (see locations at

<https://www.osha.gov/oskdir/nj.html>)

N.J. Department of Health (ABLES Project Coordinator Occupational Health Surveillance Program)

The RE will request an EPA Disposal I.D. Number from the Bureau of Emergency Management by calling 609-530-2975. (Allow four (4) to six (6) weeks regular mail, two (2) weeks for emergencies only).

2. Accumulation and Storage

Hazardous waste from blast cleaning must be managed properly prior to disposal. Each storage container must be labeled with the words "Hazardous Waste" and with the date the container was placed in the storage area. Storage containers must be protected from the weather and kept on pallets to prevent corrosion from ground moisture. The containers must be inspected weekly (with documentation provided to the RE) weekly to determine if there are leaks or damage to the containers. The storage area must be identified with signs and no waste is to remain in the storage area for more than 75 days.

3. Manifests

Hazardous waste cannot be transported off site to the disposal facility without a manifest. (See Sample C) The manifest is available at the following US EPA link:

<http://www.epa.gov/wastes/hazard/transportation/manifest/index.htm>

The Contractor's environmental consultant usually completes this document but it is ultimately the responsibility of the generator (DOT) to ensure that all of the information is complete and correct. The mailing address (Section 3) must be 951 Parkway Avenue, P. O. Box 600, Trenton, NJ 08625 and Section B (State Gen. ID) must identify the specific structure and appropriate address. The manifest must be signed by the generator (RE) and transporter prior to the shipment leaving the site and the transporter must give the generator the appropriate copies as described below.

4. Transportation

Only licensed and approved hazardous waste transporters are allowed to remove the accumulated waste for transportation to the disposal facility. The transporter will have the appropriate hazardous waste manifest which identifies the generator, transporter, disposal facility and fully describes the waste being transported. The mailing address on all hazardous waste manifests must be 951 Parkway Avenue, PO Box 600, Trenton, N.J. 08625. The Bureau of Emergency Management is responsible for retaining waste records and reporting to other agencies, and the above mailing address will ensure that they receive return manifests from the disposal facilities.

The hazardous waste transporter and the generator (RE) will each sign the manifest. The transporter will give the generator three copies for distribution. It is very important that the RE make a photocopy of the manifest for their file and forward all original paperwork (including an Underlying Hazardous Constituent (UHC) Land Disposal Restrictions (LDR) form See Sample D) to the Bureau of Emergency Management at the above address. The Underlying Hazardous Constituent (UHC) Land Disposal Restrictions (LDR) form) is usually a disposal company specific form.

The Bureau of Emergency Management will distribute the manifest copies to the generator state and the disposal state as required by the regulations.

5. Lead Health and Safety for Contractor Employees

The Department of Labor/OSHA does perform periodic inspections of each project. They are responsible for the compliance of all non-government workers' health and safety standards. All violations will be given to the Contractor for correction.

6. Lead Health and Safety for Department Employees

Departmental employees inspecting and supervising bridge painting projects and bridge rehabilitation projects where lead-based paint is to be removed, must be tested for blood lead levels on a regular basis. The Bureau of Employee Safety, Division of Support Services will conduct the respirator fit testing and training. The Contractor is required to provide the RE the respirator make and size determined by the fit testing.

The names of any employees scheduled to work on these type of projects, name of 2nd contact and phone number of the supervisor must be submitted by the Regional Construction Engineers to the Bureau of Employee Safety, Division of Support Services at least six (6) weeks month in advance of the start of work so that the testing and training can be scheduled. The Bureau of Employee Safety, Division of Support Services will coordinate the blood lead and respirator fitness testing.

A copy of the NJDOT Lead Health and Safety Plan is in the NJDOT Safety Manual or can be obtained from the Bureau of Employee Safety, Division of Support

Services (609-530-5472).

Equipment Storage Plan

The RE will review the Equipment Storage Plan to determine if it complies with the requirements of 554.03.01.4. If it does, provide the Contractor a letter approving the plan.

**MEDICAL SURVEILLANCE PROGRAM
MONTHLY CERTIFICATION REPORT
SAMPLE A**

PROGRAM ADMINISTRATOR

EMPLOYEE ID	SAFETY TRAINING (REQ. ANNUALLY)	PPE DISTRIBUTION (replaced as required)	PRE-JOB SAFETY MEETING	MEDICAL CLEARANCE (REQ. ANNUALLY)	FIT TEST	TRAFFIC CONTROL COORDINATOR (2 Year Expiration)	FORKLIFT TRAINING (3 Year Expiration)	OSHA § 1910.178 CPR/AED Training	OSHA 10 CERTIFICATE	Aerial Lift/Broom Training OSHA § 1926.453	Annual Craft Training per OCM	NJDHSS Permit#	NJDOH DESIGNATION	SSPC COMPETENT PERSON COMPLETION LEVEL	NJDHSS ID#	EXPIRATION	DATE	LEAD	ZPP	±Δ BLL
B9045	4/3/2013	4/1/2013	4/1/2013	4/3/2013	4/3/2013		4/21/2010		2/25/2010	1/21/2010	4/1/2013	021116	Worker		021116	12/21/2013	8/5/2013	12 mcg/dL	36 mcg/dL	8 mcg/dL
O9471	4/3/2013	4/1/2013	4/1/2013	4/3/2013	4/3/2013		4/21/2010		4/1/2010	4/28/2010	4/1/2013	026070	Worker		026070	3/7/2015	8/5/2013	7 mcg/dL	44 mcg/dL	1 mcg/dL
D7307	4/3/2013	4/1/2013	4/1/2013	4/3/2013	4/3/2013		12/19/2011		3/10/2012		4/1/2013	025031	Worker		025031	2/28/2014	8/5/2013	6 mcg/dL	40 mcg/dL	1 mcg/dL
F0612	4/3/2013	4/1/2013	4/1/2013	4/3/2013	4/3/2013		4/21/2010		2/25/2010	4/28/2010	4/1/2013	026069	Worker		026069	4/1/2015	8/5/2013	12 mcg/dL	37 mcg/dL	-3 mcg/dL
G4083	4/3/2013	4/1/2013	4/1/2013	5/13/2013	5/13/2013		4/21/2010		2/25/2010	1/21/2010	4/1/2013	024817	Worker		024817	5/12/2014	8/5/2013	11 mcg/dL	40 mcg/dL	4 mcg/dL
G5818	4/3/2013	4/1/2013	4/1/2013	4/3/2013	4/3/2013		4/21/2010		4/1/2010	1/21/2010	4/1/2013	021146	Worker		021146	1/29/2014	8/5/2013	4 mcg/dL	35 mcg/dL	2 mcg/dL
G8072	4/3/2013	4/1/2013	4/1/2013	7/3/2013	7/3/2013		4/21/2010		2/25/2010	1/21/2010	4/1/2013	024818	Worker		024818	5/2/2014	8/5/2013	5 mcg/dL	61 mcg/dL	5 mcg/dL
G5436	4/3/2013	4/1/2013	4/1/2013	4/3/2013	4/3/2013		4/21/2010		2/25/2010	1/21/2010	4/1/2013	024822	Worker		024822	5/12/2014	8/5/2013	11 mcg/dL	37 mcg/dL	6 mcg/dL
G7208	4/3/2013	4/1/2013	4/1/2013	4/3/2013	4/3/2013		12/19/2011		2/28/2010	1/21/2010	4/1/2013	023261	Worker		023261	11/24/2013	8/5/2013	8 mcg/dL	37 mcg/dL	3 mcg/dL
O7328	4/3/2013	4/1/2013	4/1/2013	4/3/2013	4/3/2013		4/21/2010		4/1/2010	1/21/2010	4/1/2013	026068	Worker		026068	4/6/2015	8/5/2013	8 mcg/dL	48 mcg/dL	3 mcg/dL
P7660	4/3/2013	4/1/2013	4/1/2013	4/3/2013	4/3/2013		4/21/2010		2/25/2010	1/21/2010	4/1/2013	018725	Worker		018725	4/1/2014	8/5/2013	10 mcg/dL	37 mcg/dL	3 mcg/dL
R2784	4/3/2013	4/1/2013	4/1/2013	4/3/2013	4/3/2013		4/21/2010		2/28/2010	1/21/2010	4/1/2013	026067	Worker		026067	1/29/2015	8/5/2013	7 mcg/dL	36 mcg/dL	2 mcg/dL
S5060	4/3/2013	4/1/2013	4/1/2013	4/3/2013	4/3/2013		4/21/2010		2/28/2010	1/21/2010	4/1/2013	R001187	Supervisor	12/20/2011(C5)	R001187	1/30/2015	8/5/2013	5 mcg/dL	36 mcg/dL	3 mcg/dL
S5709	4/3/2013	4/1/2013	4/1/2013	4/3/2013	4/3/2013		12/19/2011		2/28/2011		4/1/2013	021134	Worker		021134	12/17/2013	8/5/2013	10 mcg/dL	36 mcg/dL	2 mcg/dL
T7799	4/3/2013	4/1/2013	4/1/2013	4/3/2013	4/3/2013		4/21/2010		2/28/2010		4/1/2013	024816	Worker		014677	8/23/2014	8/5/2013	11 mcg/dL	55 mcg/dL	2 mcg/dL
W7895	4/3/2013	4/1/2013	4/1/2013	4/3/2013	4/3/2013		1/31/2012		2/25/2010		4/1/2013	021639	Supervisor	12/20/2011(C5)	016088	2/23/2014	8/5/2013	3 mcg/dL	41 mcg/dL	3 mcg/dL

NOTES:

SAMPLING DATA
 SAMPLE B

150 White Plains Road
 Suite 204
 Tarrytown, NY 10591



(914) 593-0300 Ph.
 (914) 347-4901 Fax
 www.claritytesting.com

Company:

Dear

Please find below a list of your employees that have completed occupational testing on 08/05/2013 in compliance with OSHA regulations 29CFR 1910.134 and 1910.1025 (if applicable)

Δ+/-

Name	SSN(4 digits) / PMS#	Clearance	Respiratory Fit	Lead ZPP (w/dL)	Vision
	5955	Pass	M:3M, R:Half-Face, S:MEDIUM	5 48	
	3045		↑8ok	12 36	
	9471		↑1ok	7 44	
	5709		↑2ok	10 36	
	2734		↑2ok	7 36	
	5060		↑3ok	5 36	✓
	7799		N/Cok	11 55	
	7895		3ok	3 41	✓

If you have any questions in this regard, please do not hesitate to call our office.

Sincerely,

Jeffrey Atholz, MD
 Diplomate, American Board of Internal Medicine
 NYS License #170767
 Westchester Medical Care PLLC
 Elmsford, NY 10523

SAMPLE C

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NJR986624641	2. Page 1 of 1	3. Emergency Response Phone 973-788-5107	4. Manifest Tracking Number 006736241 FLE	
5. Generator Name and Mailing Address DESIGN BUREAU OF PROJ. SUPPORT PROJ# 2012-2 951 PARKWAY AVENUE, P.O. BOX 600 TRENTON NJ 08625				Generator's Site Address (if different than mailing address) STR 0225-159 RT 80 ELMWOOD PARK NJ		
Generator's Phone: 201 726-2890				U.S. EPA ID Number NJR986626162		
6. Transporter 1 Company Name WT TRANSPORT INC.				U.S. EPA ID Number		
7. Transporter 2 Company Name				U.S. EPA ID Number		
8. Designated Facility Name and Site Address CLEAN EARTH OF NORTH JERSEY 105 JACOBUS AVENUE SOUTH KEARNY, NJ 07032				U.S. EPA ID Number NJD991291105		
Facility's Phone: 973 344-4004						
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity
	X	TRU PAINT / Hazardous Waste, Solid, n.o.s. (CONTAINS LEAD COMPOUNDS) 9, PGIII (D008)		20	DM	13000
						12. Unit P
						13. Waste Codes 0008
14. Special Handling Instructions and Additional Information (S.E.) - 58% PAINT REMOVAL WASTE, <02% PPE APP# 133081161 ERG#171 ALLIE1209 130826						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name [Signature]				Signature [Signature]		Month Day Year 10/11/13
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
TRANSPORTER INT'L	17. Transporter Acknowledgment of Receipt of Materials					
	Transporter 1 Printed/Typed Name LEWIS JACOBUS				Signature [Signature]	
Transporter 2 Printed/Typed Name				Signature		Month Day Year
DESIGNATED FACILITY	18. Discrepancy					
	18a. Discrepancy Indication Spca <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
	Manifest Reference Number: _____					
	18b. Alternate Facility (or Generator) U.S. EPA ID Number					
Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. H111		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name				Signature		Month Day Year

SAMPLE D

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Clean Earth of North Jersey, Inc. Underlying Hazardous Constituent (UHC) LDR Form
 GENERATOR NAME: NJ DOT MANIFEST DOC. NO.: 006736241 FLE
 APPROVAL CODE #: 133081161

If D001 through D043 requires treatment to 268.48 standards, then each underlying hazardous constituent present in the waste at the point of generation, and at a level above the UTS constituent specific treatment standard, must be listed. Write the letter (A,B1,B2,C or D) which corresponds to the letter found on Clean Earth of North Jersey, Inc. LDR Notification and Certification Form (page 2), beside each constituent present, to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If no underlying hazardous constituents are present, please check appropriate section on Page 2 of this form.

CONSTITUENT	HOW MUST CONSTITUENT BE MANAGED	WWT (mg/l)	NHW (mg/kg)	CONSTITUENT	HOW MUST CONSTITUENT BE MANAGED	WWT (mg/l)	NHW (mg/kg)
ORGANIC CONSTITUENTS				1,2-Dibromo-3-Chloropropane		0.11000	15.000
Acenaphthylene		0.05800	3.400	1,2-Dibromomethane (Ethylene dibromide)		0.02800	15.000
Acenaphthene		0.05800	3.400	Dibromomethane		0.11000	15.000
Acetone		0.28000	180.000	2,4-Dichlorophenoxyacetic acid (2,4-D)		0.72000	10.000
Acetonitrile		5.80000	38.000	o,p-DDD		0.02300	0.087
Acetophenone		0.01000	9.700	p,p-DDD		0.02300	0.087
2-Acetylaminofluorene		0.05800	140.000	o,p-DOE		0.03100	0.087
Acrolein		0.28000	NA	p,p-DOE		0.03100	0.087
Acrylamide		19.000	23.000	o,p-DDT		0.00380	0.087
Acrylonitrile		0.24000	84.000	p,p-DDT		0.00380	0.087
Aldicarb sulfone		0.05800	0.280	Dibenzo(a,h) anthracene		0.05800	8.200
Aldrin		0.02100	0.086	Dibenzo(a,e)pyrene		0.06100	NA
4-Aminobiphenyl		0.13000	NA	m-Dichlorobenzene		0.03800	8.000
Aniline		0.81000	14.000	o-Dichlorobenzene		0.08800	8.000
Anthracene		0.05900	3.400	p-Dichlorobenzene		0.09000	8.000
Aramite		0.36000	NA	Dichlorodifluoromethane		0.23000	7.200
Barban		0.05800	1.400	1,1-Dichloroethane		0.05800	8.000
alpha-BHC		0.00014	0.066	1,2-Dichloroethane		0.21000	8.000
beta-BHC		0.00014	0.066	1,1-Dichloroethyene		0.02500	8.000
delta-BHC		0.02300	0.086	trans-1,2-Dichloroethyene		0.05400	30.000
gamma-BHC (Lindane)		0.00170	0.086	2,4-Dichlorophenol		0.04400	14.000
Bendiocarb		0.05800	1.400	2,4-Dichlorophenol		0.04400	14.000
Benomyl		0.05800	1.400	1,2-Dichloropropane		0.85000	18.000
Benzone		0.14000	10.000	cis-1,3-Dichloropropylene		0.03800	18.000
Benz(a)anthracene		0.05800	3.400	trans-1,3-Dichloropropylene		0.03800	18.000
Benzal chloride		0.05800	8.000	Dieldrin		0.01700	0.130
Benz(b)fluoranthene		0.11000	8.000	Diethyl phthalate		0.20000	28.000
Benz(k)fluoranthene		0.11000	8.000	p-Dimethylaminoazobenzene		0.13000	NA
Benz(o,h,j)perylene		0.00650	1.800	2,4-Dimethyl phenol		0.03800	14.000
Benz(e)pyrene		0.08100	3.400	Dimethyl phthalate		0.04700	28.000
Bromodichloromethane		0.35000	15.000	Di-n-butyl phthalate		0.05700	28.000
Bromoform (Tribromomethane)		0.83000	15.000	1,4-Dinitrobenzene		0.32000	2.300
Bromomethane (methyl bromide)		0.11000	15.000	4,8-Dinitro-o-cresol		0.28000	180.000
4-Bromophenyl phenyl ether		0.05800	15.000	2,4-Dinitrophenol		0.12000	180.000
n-Butanol (n-Butyl alcohol)		5.80000	2.800	2,4-Dinitrotoluene		0.32000	140.000
Butylate		0.04200	1.400	2,6-Dinitrotoluene		0.55000	28.000
Butyl benzyl phthalate		0.01700	28.000	Di-n-octyl phthalate		0.01700	28.000
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)		0.06800	2.500	Di-n-propyltinooxamine		0.40000	14.000
Carbaryl		0.00800	0.140				28.000
Carbendazim		0.05800	1.400	Dithiocarbamates (Total)			12.00000
Carbofuran		0.00800	0.140	1,4-Dioxane		0.82000	13.000
Carbofuran phenol		0.05800	1.400	Diphenyl amine		0.82000	13.000
Carbon disulfide		3.80000	4.800 ¹	Diphenyltinooxamine		0.08700	NA
Carbon tetrachloride		0.05700	8.000	1,2-Diphenyl hydrazine		0.01700	8.200
Carbosulfan		0.02800	1.400	Disulfoton		0.02300	0.086
Chlordane (alpha & gamma)		0.00330	0.280	Endosulfan I		0.02800	0.130
p-Chloroaniline		0.46000	16	Endosulfan II		0.02800	0.130
Chlorobenzene		0.05700	8.000	Endrin		0.02800	0.130
Chlorobenzilate		0.10000	NA	Endrin aldehyde		0.04200	1.400
2-chloro-1,3-butadiene		0.05700	0.280	EPTC		0.34000	33.000
Chlorodibromomethane		0.05700	15.000	Ethyl acetate		0.05700	10.000
Chloroethane		0.27000	8.000	Ethyl benzene		0.24000	360.000
bis-(2-Chloroethoxy) methane		0.03600	7.200	Ethyl cyanide (Propanenitrile)		0.12000	180.000
bis-(2-Chloroethyl) ether		0.03300	8	Ethyl ether		0.28000	28.000
Chloroform		0.04800	7.2	bis-(2-Ethylhexyl) phthalate		0.14000	160.000
bis-(2-Chloroisopropyl) ether		0.01800	14.000	Ethyl methacrylate		0.12000	NA
p-Chloro-m-cresol		0.08200	NA	Ethylene oxide		0.01700	15.000
2-Chloroethyl Vinyl ether		0.18000	30.000	Fampur		0.06800	3.400
Chloromethane (methyl chloride)		0.05800	5.800	Fluoranthene		0.05800	3.400
2-Chloronaphthalene		0.04400	5.700	Fluorene		0.05800	1.400
2-Chlorophenol		0.03800	30.000	Formetanate hydrochloride		0.00120	0.086
3-Chloropropylene		0.05900	3.400	Heptachlor		0.05800	10.000
Chrysene		0.77000	5.800	Heptachlor epoxide		0.05800	10.000
m-Cresol		0.11000	5.800	Hexachlorobenzene		0.05800	5.800
p-Cresol		0.77000	5.800	Hexachlorobutadiene		0.05700	2.400
m-Cumeryl methylcarbamate		0.05800	1.400	Hexachlorocyclopentadiene		0.000063	0.001
Cyclohexanone		0.36000	0.750 ¹	Hexachlorodibenzo-furans		0.00006	0.001
				Hexachlorodibenzo-p-dioxins			

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SAMPLE D

Clean Earth of North Jersey, Inc. Underlying Hazardous Constituent (UHC) LDR Form
GENERATOR NAME: NJ DOT
APPROVAL CODE #: 133081161
MANIFEST DOC. NO.: 006736241 FLE

CONSTITUENT	HOW MUST CONSTITUENT BE MANAGED		CONSTITUENT	HOW MUST CONSTITUENT BE MANAGED	
	WW (mg/l)	NWW (mg/kg)		WW (mg/l)	NWW (mg/kg)
Hexachloroethane	0.05600	30.000	Promacarb	0.05800	1.400
Hexachloropropylene	0.03600	30.000	Promamide	0.06900	1.600
Indeno (1,2,3-c,d) pyrene	0.00560	3.400	Propam	0.05600	1.400
Iodomethane	0.18000	65.000	Propoxur	0.05800	1.400
Isobutanol (Isobutyl Alcohol)	5.60000	170.000	Prosulfocarb	0.04200	1.400
Isodrin	0.02100	0.086	Pyrene	0.06700	8.200
Isocetrole	0.08100	2.600	Pyridine	0.01400	16.000
Kapone	0.00110	0.130	Safrole	0.08100	22.000
Methacrylonitrile	0.24000	84.000	Silox (2,4,5-TP)	0.72000	7.900
Methand	5.60000	0.750 ¹	1,2,4,6-Tetrachlorobenzene	0.06600	14.600
Methapyrene	0.08100	1.800	Tetrachlorodibenzo-furans	0.000063	0.001
Methiocarb	0.05800	1.400	Tetrachlorodibenzo-p-dioxins	0.000063	0.001
Methoxym	0.28000	0.140	1,1,1,2-Tetrachloroethane	0.06700	6.000
Methoxychlor	0.00560	15.000	1,1,2,2-Tetrachloroethane	0.05700	6.000
3-Methylcholanthrene	0.50000	30.000	Tetrachloroethylenes	0.05800	7.400
4,4-Methylene-Bis-(2-chloroaniline)	0.08900	30.000	2,3,4,6-Tetrachlorophenol	0.01800	1.400
Methylene Chloride	0.28000	36.000	Thiodicarb	0.05600	1.400
Methyl ethyl ketone	0.14000	33.000	Thiophanate-methyl	0.08000	10.000
Methyl isobutyl ketone	0.14000	160.000	Toluene	0.00850	2.800
Methyl methacrylate	0.01800	NA	Toxaphene	0.04200	1.400
Methyl methanesulfonate	0.01400	4.600	Triallate	0.06300	15.000
Methyl parathion	0.05600	1.400	Tribromomethane/Bromofom	0.03800	7.400
Metolcarb	0.05600	1.400	2,4,6-Tribromophenol	0.05600	19.000
Mexacarbate	0.04200	1.400	1,2,4-Trichlorobenzene	0.05400	6.000
Molinate	0.05900	5.800	1,1,1-Trichloroethane	0.05400	6.000
Naphthalene	0.52000	NA	1,1,2-Trichloroethane	0.05400	6.000
2-Naphthylamine	0.27000	14.000	Trichloroethylene	0.02000	30.000
o-Nitroaniline	0.02800	28.000	Trichloromonofluoromethane	0.18000	7.400
p-Nitroaniline	0.06800	14.000	2,4,6-Trichlorophenol	0.03800	7.400
Nitrobenzene	0.32000	28.000	2,4,6-Trichlorophenol	0.07200	7.900
5-Nitro-o-toluidine	0.02800	13.000	2,4,5-Trichlorophenoxyacetic acid/2,4,5-T	0.85000	30.000
o-Nitrophenol	0.12000	29.000	1,2,3-Trichloropropane	0.05700	30.000
p-Nitrophenol	0.40000	28.000	1,1,2-Trichloro-1,2,2-trifluoroethane	0.08100	1.500
N-Nitrosodimethylamine	0.40000	2.300	Triethylamine	0.11000	0.100
N-Nitrosodimethylamine	0.40000	17.000	Tri(2,3-dibromopropyl) phosphate	0.04200	1.400
N-Nitroso-di-n-butylamine	0.40000	2.300	Vermolate	0.27000	6.000
N-Nitrosomethylethylamine	0.40000	2.300	Vinyl chloride	0.32000	30.000
N-Nitrosomorpholine	0.40000	2.300	Xylene (sum of o-, m-, and p- isomers)		
N-Nitrosopiperidine	0.01300	35.000	Inorganic Constituents		
N-Nitrosopyrrolidine	0.01300	35.000	Cyanides (Total)	1.20000	590.000
Oxamyl	0.05600	0.280	Cyanides (Amenable)	0.86000	30.000
Parathion	0.01400	4.600	Antimony	1.90000	1.180 ¹
PCBs (total) all isomers or Aroclors	0.10000	10.000	Arsenic	1.40000	5.000 ¹
Pebulate	0.04200	1.400	Barium	1.20000	21.000 ¹
Pentachlorobenzene	0.05600	10.000	Beryllium	0.82000	1.220 ¹
Pentachloroethane	0.05600	8.000	Cadmium	0.69000	0.110 ¹
Pentachlorodibenzo-furans	0.000035	0.001	Chromium (Total)	2.77000	0.600 ¹
Pentachlorodibenzo-p-dioxins	0.000063	0.001	Fluoride ²	35.0000	NA
Pentachloronitrobenzene	0.05600	4.800	Lead	0.69000	0.750 ¹
Pentachlorophenol	0.08900	7.400	Mercury (Non WW from retort)	NA	0.200 ¹
Phenacetin	0.08100	16.000	Mercury (All others)	0.15000	0.025 ¹
Phenanthrene	0.05900	5.600	Nickel	3.98000	11.000 ¹
Phenol	0.03900	6.200	Selenium	0.82000	5.700 ¹
Phorate	0.02100	4.500	Silver	0.43000	0.140 ¹
Phthalic acid	0.05600	28.000	Sulfide ²	14.00000	NA
Phthalic anhydride	0.05600	28.000	Thallium	1.40000	0.20 ¹
Physostigmine	0.05600	1.400	Vanadium ²	4.30000	1.600 ¹
Physostigmine salicylate	0.05600	1.400	Zinc ²	2.61000	4.300 ¹

¹These concentrations are expressed in mg/l and are measured through an analysis of TCLP extract; all others measured through a total waste analysis.
²These constituents are not Underlying Hazardous Constituents in characteristic wastes, according to the definition at 266.2(i).

This waste stream contains none of the Underlying Hazardous Constituents (UHC's) listed above or on Page 1, above the UHC's specific treatment standard (UTS) at the point of generation.

The information above was determined by:

Generator's knowledge of the waste
 Laboratory analysis

(X) Thomas M. Gray
Print Name
(X) Shawn Brown
Signature

10-1-13
Date
Inspector
Title