

**Table 1. Chemical Criteria/Limits for Soil/Sand Imported from Off-Site Sources
Final Engineering Report for OU-2, Site No. V-00159-2
Nassau Metals Corporation, Staten Island, New York**

Parameter	NYSDEC RSCOs ¹	Part 375 Unrestricted Use ¹
VOCSs (ug/kg)		
1,1,1-Trichloroethane	800	680
1,1,2,2-Tetrachloroethane	600	--
1,1,2-Trichlorotrifluoroethane	6,000	--
1,2,3-Trichloropropane	400	--
1,1-Dichloroethane	200	270
1,1-Dichloroethene	400	330
1,2-Dichloroethane	100	20
1,3-Dichloropropane	300	--
2-Butanone (MEK)	300	120
4-Methyl-2-pentanone (MIBK)	1,000	--
Acetone	200	50
Benzene	60	60
Carbon disulfide	2,700	--
Carbon tetrachloride	600	760
Chlorobenzene	1,700	1,100
Chloroethane	1,900	--
Chloroform	300	370
Dibromochloromethane	--	--
Ethylbenzene	5,500	1,000
Methylene chloride	100	50
Tetrachloroethene	1,400	1,300
Toluene	1,500	700
trans-1,2-Dichloroethene	300	190
Trichloroethene	700	470
Vinyl chloride	200	20
Xylenes (total)	1,200	260
SVOCSs (ug/kg)		
1,2,4-Trichlorobenzene	3,400	--
1,2-Dichlorobenzene	7,900	8,400
1,4-Dichlorobenzene	8,500	1,800
2,4,5-Trichlorophenol	100	--
2,4-Dichlorophenol	400	--
2,4-Dinitrophenol	200	--
2,6-Dinitrotoluene	1,000	--
2-Chlorophenol	800	--
2-Methylnaphthalene	36,400	--
2-Methylphenol	100	330
2-Nitroaniline	430	--
2-Nitrophenol	330	--
3,3'-Dichlorobenzidine	--	--
3-Nitroaniline	500	--
4-Chloro-3-methylphenol	240	--
4-Chloroaniline	220	--
4-Methylphenol	900	--
4-Nitrophenol	100	--
Acenaphthene	50,000	20,000
Acenaphthylene	50,000	100,000
Anthracene	50,000	100,000

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Parameter	NYSDEC RSCOs ¹	Part 375 Unrestricted Use ¹
SVOCSs (ug/kg)		
Aniline	100	--
Benzo[a]anthracene	224	1,000
Benzo[a]pyrene	61	1,000
Benzo[b]fluoranthene	220	1,000
Benzo[g,h,i]perylene	50,000	100,000
Benzo[k]fluoranthene	220	800
Bis(2-ethylhexyl) phthalate	50,000	--
Butylbenzyl phthalate	50,000	--
Chrysene	400	1,000
Dibenzo[a,h]anthracene	14	330
Dibenzofuran	6,200	7,000
Diethyl phthalate	7,100	--
Dimethyl phthalate	2,000	--
Di-n-butyl phthalate	8,100	--
Di-n-octyl phthalate	50,000	--
Fluoranthene	50,000	100,000
Fluorene	50,000	30,000
Hexachlorobenzene	410	330
Indeno[1,2,3-cd]pyrene	3,200	500
Isophorone	4,400	--
Naphthalene	13,000	12,000
Nitrobenzene	200	--
Pentachlorophenol	1,000	800
Phenanthrene	50,000	100,000
Phenol	30	330
Pyrene	50,000	100,000
Metals (mg/kg)		
Aluminum	33,000	--
Antimony	4.3 (SB)	--
Arsenic	9.7 (SB)	13
Barium	300	350
Beryllium	0.72 (SB)	7.2
Cadmium	1	2.5
Calcium	35,000	--
Chromium	15 (SB)	--
Cobalt	30	--
Copper	365 (SB)	50
Iron	17,000 (SB)	--
Lead	500	63
Magnesium	5,000	--
Manganese	5,000	1600
Mercury	0.3 (SB)	0.18
Nickel	34.9 (SB)	30
Potassium	43,000	--
Selenium	2	3.9
Silver	--	2
Sodium	8,000	--
Thallium	--	--
Vanadium	150	--
Zinc	333 (SB)	109

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Parameter	NYSDEC RSCOs ¹	Part 375 Unrestricted Use ¹
PCBs (ug/kg)		
Aroclor-1016	--	--
Aroclor-1221	--	--
Aroclor-1232	--	--
Aroclor-1242	--	--
Aroclor-1248	--	--
Aroclor-1254	--	--
Aroclor-1260	--	--
Aroclor-1262	--	--
Total PCBs:	10,000	1,000
4,4'-DDD	2,900	3.3
4,4'-DDE	2,100	3.3
4,4'-DDT	2,100	3.3
Aldrin	41	5
alpha-BHC	110	20
Chlordane	540	--
beta-BHC	200	36
Pesticides (ug/kg)		
delta-BHC	300	40
Dieldrin	44	94
Endosulfan I	900	2,400
Endosulfan II	900	2,400
Endosulfan sulfate	1,000	2,400
Endrin ketone	--	--
Endrin	100	14
gamma-BHC (Lindane)	60	100
gamma-Chlordane	540	--
Heptachlor epoxide	20	--
Heptachlor	100	42
Methoxychlor	--	--
Herbicides (ug/kg)		
2,4-D	500	--
2,4,5-TP (Silvex)	700	3,800
2,4,5-T	1,900	--

Notes:

¹ - The chemical criteria/limits for soil/sand imported from off-Site sources were compared to the RSCOs cited in NYSDEC

TAGM 4046 and the Unrestricted Use Soil Cleanup Objectives cited in Part 375 6.8(A) of Title 6 of the NYCRR.

SB - Site Background

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

NYCRR - New York Codes, Rules and Regulations

-- No Standard available

µg/kg - Micrograms per kilogram

mg/kg - Milligrams per kilogram

Table 2. Volatile Organic Compounds Detected in Off-Site Fill Materials
Final Engineering Report for OU-2, Site No. V-00159-2
Nassau Metals Corporation, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs	Part 375 Unrestricted Use	Off-Site Fill Material Type: Type of Sample: Sample Designation: Sample Date:	Almasi Company Site	Almasi Company Site	Almasi Company Site	Amboy Aggregates	Amboy Aggregates
				Common Fill Prequalification PJP-001 01/09/07	Common Fill Post-Qualification No. 1 FM-17 05/07/07	Common Fill Post-Qualification No. 2 FM-18 05/07/07	Sand Prequalification FM-02 10/31/06	Sand Post-Qualification No. 1 FM-05 01/11/07
1,1,1-Trichloroethane	800	680		210 U	5.0 U	5.6 U	5.3 U	27 U
1,1,2,2-Tetrachloroethane	600	--		210 U	5.0 U	5.6 U	5.3 U	27 U
1,1,2-Trichlorotrifluoroethane	6,000	--		210 U	5.0 U	5.6 U	5.3 U	27 U
1,2,3-Trichloropropane	400	--		210 U	5.0 U	5.6 U	5.3 U	27 U
1,1-Dichloroethane	200	270		210 U	5.0 U	5.6 U	5.3 U	27 U
1,1-Dichloroethene	400	330		210 U	5.0 U	5.6 U	5.3 U	27 U
1,2-Dichloroethane	100	20		210 U	5.0 U	5.6 U	5.3 U	27 U
1,3-Dichloropropane	300	--		210 U	5.0 U	5.6 U	5.3 U	27 U
2-Butanone (MEK)	300	120		210 U	25 U	28 U	5.3 U	130 U
4-Methyl-2-pentanone (MIBK)	1,000	--		210 U	25 U	28 U	26 U	130 U
Acetone	200	50		210 U	25 U	28 U	5.3 U	130 U
Benzene	60	60		210 U	5.0 U	5.6 U	5.3 U	27 U
Carbon disulfide	2,700	--		210 U	5.0 U	5.6 U	5.3 U	27 U
Carbon tetrachloride	600	760		210 U	5.0 U	5.6 U	5.3 U	27 U
Chlorobenzene	1,700	1,100		210 U	5.0 U	5.6 U	5.3 U	27 U
Chloroethane	1,900	--		210 U	5.0 U	5.6 U	5.3 U	27 U
Chloroform	300	370		210 U	5.0 U	5.6 U	5.3 U	27 U
Dibromochloromethane	--	--		210 U	5.0 U	5.6 U	5.3 U	27 U
Ethylbenzene	5,500	1,000		210 U	5.0 U	5.6 U	5.3 U	27 U
Methylene chloride	100	50		210 U	5.0 U	5.6 U	5.3 U	27 U
Tetrachloroethene	1,400	1,300		210 U	5.0 U	5.6 U	5.3 U	27 U
Toluene	1,500	700		210 U	5.0 U	5.6 U	5.3 U	27 U
trans-1,2-Dichloroethene	300	190		210 U	5.0 U	5.6 U	5.3 U	27 U
Trichloroethene	700	470		210 U	5.0 U	5.6 U	5.3 U	27 U
Vinyl chloride	200	20		210 U	5.0 U	5.6 U	5.3 U	27 U
Xylenes (total)	1,200	260		210 U	10.0 U	11.0 U	10.6 U	27 U

Notes:

- U - Analyte was not detected at or above the reporting limit
- B - Compound was found in the blank and sample
- J - Estimated value
- NA - Not Analyzed
- NYSDEC - New York State Department of Environmental Conservation
- RSCOs - Recommended Soil Cleanup Objectives
- Bold - Concentration exceeds NYSDEC RSCO
- No Standard available
- ft bls - Feet below land surface
- µg/kg - Micrograms per kilogram

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Parameter (Concentrations in µg/kg)	NYSDEC RSCOs	Part 375 Unrestricted Use	Off-Site Fill Material Type:	Amboy Aggregates				
			Type of Sample: Sample Designation:	Sand Post-Qualification No. 2 FM-09	Sand Post-Qualification No. 3 FM-13	Sand Post-Qualification No. 4 FM-23	Sand Post-Qualification No. 5 FM-37	Sand Post-Qualification No. 6 FM-48
			Sample Date:	03/01/07	03/27/07	05/23/07	06/28/07	08/02/07
1,1,1-Trichloroethane	800	680		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
1,1,2,2-Tetrachloroethane	600	--		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
1,1,2-Trichlorotrifluoroethane	6,000	--		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
1,2,3-Trichloropropane	400	--		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
1,1-Dichloroethane	200	270		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
1,1-Dichloroethene	400	330		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
1,2-Dichloroethane	100	20		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
1,3-Dichloropropane	300	--		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
2-Butanone (MEK)	300	120		32 U	27 U	26 U	27 U	28 U
4-Methyl-2-pentanone (MIBK)	1,000	--		32 U	27 U	26 U	27 U	28 U
Acetone	200	50		21 JB	18 JB	26 U	27 U	28 U
Benzene	60	60		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
Carbon disulfide	2,700	--		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
Carbon tetrachloride	600	760		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
Chlorobenzene	1,700	1,100		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
Chloroethane	1,900	--		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
Chloroform	300	370		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
Dibromochloromethane	--	--		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
Ethylbenzene	5,500	1,000		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
Methylene chloride	100	50		6.3 U	5.5 U	2.0 J	5.4 U	7.2 B
Tetrachloroethene	1,400	1,300		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
Toluene	1,500	700		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
trans-1,2-Dichloroethene	300	190		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
Trichloroethene	700	470		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
Vinyl chloride	200	20		6.3 U	5.5 U	5.2 U	5.4 U	5.6 U
Xylenes (total)	1,200	260		6.3 U	5.5 U	10 U	16 U	17 U

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Parameter (Concentrations in µg/kg)	NYSDEC RSCOs	Part 375 Unrestricted Use	Off-Site Fill Material Type:	Amboy Aggregates	Amboy Aggregates	Nature's Choice Site	Nature's Choice Site	Nature's Choice Site
			Type of Sample:	Sand	Sand	Topsoil	Topsoil	Topsoil
Sample Designation:	Sample Date:		Post-Qualification No. 7	Post-Qualification No. 8	Prequalification	Post-Qualification No. 1	Post-Qualification No. 2	
			FM-56	FM-58	FM-19	FM-25	FM-47	
			09/05/07	09/24/09	05/08/07	06/07/07	07/20/07	
1,1,1-Trichloroethane	800	680	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
1,1,2,2-Tetrachloroethane	600	--	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
1,1,2-Trichlorotrifluoroethane	6,000	--	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
1,2,3-Trichloropropane	400	--	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
1,1-Dichloroethane	200	270	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
1,1-Dichloroethene	400	330	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
1,2-Dichloroethane	100	20	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
1,3-Dichloropropane	300	--	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
2-Butanone (MEK)	300	120	26 U	26 U	14 J	34 U	73	
4-Methyl-2-pentanone (MIBK)	1,000	--	26 U	26 U	34 U	34 U	45 U	
Acetone	200	50	26 U	26 U	130	34 U	400	
Benzene	60	60	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
Carbon disulfide	2,700	--	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
Carbon tetrachloride	600	760	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
Chlorobenzene	1,700	1,100	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
Chloroethane	1,900	--	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
Chloroform	300	370	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
Dibromochloromethane	--	--	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
Ethylbenzene	5,500	1,000	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
Methylene chloride	100	50	5.3 U	5.2 U	6.8 U	6.8 U	15	
Tetrachloroethene	1,400	1,300	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
Toluene	1,500	700	5.3 U	5.2 U	6.8 U	6.8 U	9.3	
trans-1,2-Dichloroethene	300	190	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
Trichloroethene	700	470	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
Vinyl chloride	200	20	5.3 U	5.2 U	6.8 U	6.8 U	8.9 U	
Xylenes (total)	1,200	260	16 U	15 U	14 U	14 U	27 U	

Notes:

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- B - Compound was found in the blank and sample
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- Bold - Concentration exceeds NYSDEC RSCO
- No Standard available
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Parameter (Concentrations in µg/kg)	NYSDEC RSCOs	Part 375 Unrestricted Use	Off-Site Fill Material Type:	Nature's Choice Site	Nature's Choice Site
			Type of Sample: Sample Designation:	Topsoil Post-Qualification No. 3 NMHO-01	Topsoil Post-Qualification No. 4 NMHO-02
			Sample Date:	07/26/09	07/26/09
1,1,1-Trichloroethane	800	680		5.9 U	5.7 U
1,1,2,2-Tetrachloroethane	600	--		5.9 U	5.7 U
1,1,2-Trichlorotrifluoroethane	6,000	--		5.9 U	5.7 U
1,2,3-Trichloropropane	400	--		5.9 U	5.7 U
1,1-Dichloroethane	200	270		5.9 U	5.7 U
1,1-Dichloroethene	400	330		5.9 U	5.7 U
1,2-Dichloroethane	100	20		5.9 U	5.7 U
1,3-Dichloropropane	300	--		5.9 U	5.7 U
2-Butanone (MEK)	300	120		12 U	5.7 U
4-Methyl-2-pentanone (MIBK)	1,000	--		5.9 U	5.7 U
Acetone	200	50		31	26 J
Benzene	60	60		1.2 U	1.1 U
Carbon disulfide	2,700	--		5.9 U	5.7 U
Carbon tetrachloride	600	760		5.9 U	5.7 U
Chlorobenzene	1,700	1,100		5.9 U	5.7 U
Chloroethane	1,900	--		5.9 U	5.7 U
Chloroform	300	370		5.9 U	5.7 U
Dibromochloromethane	--	--		5.9 U	5.7 U
Ethylbenzene	5,500	1,000		1.2 U	1.1 U
Methylene chloride	100	50		30 B	32 B
Tetrachloroethene	1,400	1,300		5.9 U	5.7 U
Toluene	1,500	700		1.2 U	1.1 U
trans-1,2-Dichloroethene	300	190		5.9 U	5.7 U
Trichloroethene	700	470		5.9 U	5.7 U
Vinyl chloride	200	20		5.9 U	5.7 U
Xylenes (total)	1,200	260		1.2 U	1.1 U

Notes:

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- RSCOs - Recommended Soil Cleanup Objectives
- Bold - Concentration exceeds NYSDEC RSCO
- No Standard available
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- µg/kg - Micrograms per kilogram

**Table 3. Semivolatile Organic Compounds Detected in Off-Site Fill Materials
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Nassau Metals Corporation, Staten Island, New York**

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs	Part 375 Unrestricted Use	Off-Site Fill Material Type: Sample Designation: Sample Date:	Almasi Company Site	Almasi Company Site	Almasi Company Site
				Common Fill	Common Fill	Common Fill
				Prequalification	Post-Qualification No. 1	Post-Qualification No. 2
				PJP-001	FM-17	FM-18
				01/09/07	05/07/07	05/07/07
1,2,4-Trichlorobenzene	3,400	--		210 U	5.6 U	5.6 U
1,2-Dichlorobenzene	7,900	8,400		210 U	5.6 U	5.6 U
1,3-Dichlorobenzene	1,600	2,400		210 U	5.6 U	5.6 U
1,4-Dichlorobenzene	8,500	1,800		210 U	5.6 U	5.6 U
2,4,5-Trichlorophenol	100	--		730 U	930 U	930 U
2,4-Dichlorophenol	400	--		360 U	370 U	370 U
2,4-Dinitrophenol	200	--		730 U	930 U	930 U
2,6-Dinitrotoluene	1,000	--		360 U	370 U	370 U
2-Chlorophenol	800	--		360 U	370 U	370 U
2-Methylnaphthalene	36,400	--		360 U	370 U	620
2-Methylphenol	100	330		360 U	370 U	370 U
2-Nitroaniline	430	--		730 U	930 U	930 U
2-Nitrophenol	330	--		360 U	370 U	370 U
3,3'-Dichlorobenzidine	--	--		360 U	370 U	370 U
3-Nitroaniline	500	--		730 U	930 U	930 U
4-Chloro-3-methylphenol	240	--		360 U	370 U	370 U
4-Chloroaniline	220	--		360 U	370 U	370 U
4-Nitrophenol	100	--		730 U	930 U	930 U
Acenaphthene	50,000	20,000		360 U	370 U	370 U
Acenaphthylene	50,000	100,000		360 U	370 U	370 U
Anthracene	50,000	100,000		360 U	370 U	370 U
Aniline	100	--		360 U	370 U	370 U
Benzo[a]anthracene	224	1,000		360 U	370 U	370 U
Benzo[a]pyrene	61	1,000		360 U	370 U	370 U
Benzo[b]fluoranthene	220	1,000		360 U	370 U	370 U
Benzo[g,h,i]perylene	50,000	100,000		360 U	370 U	370 U
Benzo[k]fluoranthene	220	800		360 U	370 U	370 U
Bis(2-ethylhexyl)	50,000	--		220 J	370 U	370 U
Butylbenzyl phthalate	50,000	--		360 U	370 U	370 U
Chrysene	400	1,000		360 U	370 U	370 U
Dibenzo[a,h]anthracene	14	330		360 U	370 U	370 U
Dibenzofuran	6,200	7,000		360 U	370 U	370 U
Diethyl phthalate	7,100	--		360 U	370 U	370 U
Dimethyl phthalate	2,000	--		360 U	370 U	370 U
Di-n-butyl phthalate	8,100	--		360 U	370 U	370 U
Di-n-octyl phthalate	50,000	--		360 U	370 U	370 U
Fluoranthene	50,000	100,000		360 U	370 U	370 U
Fluorene	50,000	30,000		360 U	370 U	370 U
Hexachlorobenzene	410	330		360 U	370 U	370 U
Indeno[1,2,3-cd]pyrene	3,200	500		360 U	370 U	370 U
Isophorone	4,400	--		360 U	370 U	370 U
Naphthalene	13,000	12,000		360 U	370 U	2,400
Nitrobenzene	200	--		360 U	370 U	370 U
Pentachlorophenol	1,000	800		730 U	930 U	930 U
Phenanthrene	50,000	100,000		360 U	370 U	370 U
Phenol	30	330		360 U	370 U	370 U
Pyrene	50,000	100,000		360 U	370 U	370 U

Notes:

- B - Compound was found in the blank and sample
- J - Estimated value
- U - Analyte was not detected at or above the reporting limit
- NA - Not Analyzed
- NYSDEC - New York State Department of Environmental Conservation
- RSCOs - Recommended Soil Cleanup Objectives
- Bold - Concentration exceeds NYSDEC RSCO
- - No Standard available
- ft bls - Feet below land surface
- µg/kg - Micrograms per kilogram
- SVOCs - Semivolatile Organic Compounds

**Table 3. Semivolatile Organic Compounds Detected in Off-Site Fill Materials
Final Engineering Report for OU-2, Site No. V-00159-2
Nassau Metals Corporation, Staten Island, New York**

Parameter (Concentrations in µg/kg)	Off-Site Fill Material Type:		Amboy Aggregates	Amboy Aggregates	Amboy Aggregates
	NYSDEC	Part 375	Sand	Sand	Sand
	RSCOs	Unrestricted Use	Prequalification	Post-Qualification No. 1	Post-Qualification No. 2
			Sample Designation:		
			Sample Date:		
			FM-02	FM-05	FM-09
			10/31/06	01/11/07	03/01/07
1,2,4-Trichlorobenzene	3,400	--	5.3 U	27 U	6.3 U
1,2-Dichlorobenzene	7,900	8,400	5.3 U	27 U	6.3 U
1,3-Dichlorobenzene	1,600	2,400	5.3 U	27 U	6.3 U
1,4-Dichlorobenzene	8,500	1,800	5.3 U	27 U	6.3 U
2,4,5-Trichlorophenol	100	--	880 U	890 U	1,000 U
2,4-Dichlorophenol	400	--	350 U	890 U	420 U
2,4-Dinitrophenol	200	--	880 U	350 U	1,000 U
2,6-Dinitrotoluene	1,000	--	350 U	350 U	420 U
2-Chlorophenol	800	--	350 U	350 U	420 U
2-Methylnaphthalene	36,400	--	350 U	350 U	420 U
2-Methylphenol	100	330	350 U	350 U	420 U
2-Nitroaniline	430	--	880 U	890 U	1,000 U
2-Nitrophenol	330	--	350 U	350 U	420 U
3,3'-Dichlorobenzidine	--	--	350 U	350 U	420 U
3-Nitroaniline	500	--	880 U	890 U	1,000 U
4-Chloro-3-methylphenol	240	--	350 U	350 U	420 U
4-Chloroaniline	220	--	350 U	350 U	420 U
4-Nitrophenol	100	--	880 U	890 U	1,000 U
Acenaphthene	50,000	20,000	350 U	350 U	420 U
Acenaphthylene	50,000	100,000	350 U	350 U	420 U
Anthracene	50,000	100,000	350 U	350 U	420 U
Aniline	100	--	350 U	350 U	420 U
Benzo[a]anthracene	224	1,000	350 U	350 U	420 U
Benzo[a]pyrene	61	1,000	350 U	350 U	420 U
Benzo[b]fluoranthene	220	1,000	350 U	350 U	420 U
Benzo[g,h,i]perylene	50,000	100,000	350 U	350 U	420 U
Benzo[k]fluoranthene	220	800	350 U	350 U	420 U
Bis(2-ethylhexyl)	50,000	--	350 U	130 J	420 U
Butylbenzyl phthalate	50,000	--	350 U	350 U	420 U
Chrysene	400	1,000	350 U	350 U	420 U
Dibenzo[a,h]anthracene	14	330	350 U	350 U	420 U
Dibenzofuran	6,200	7,000	350 U	350 U	420 U
Diethyl phthalate	7,100	--	350 U	350 U	420 U
Dimethyl phthalate	2,000	--	350 U	350 U	420 U
Di-n-butyl phthalate	8,100	--	350 U	350 U	420 U
Di-n-octyl phthalate	50,000	--	350 U	350 U	420 U
Fluoranthene	50,000	100,000	350 U	350 U	420 U
Fluorene	50,000	30,000	350 U	350 U	420 U
Hexachlorobenzene	410	330	350 U	350 U	420 U
Indeno[1,2,3-cd]pyrene	3,200	500	350 U	350 U	420 U
Isophorone	4,400	--	350 U	350 U	420 U
Naphthalene	13,000	12,000	350 U	350 U	420 U
Nitrobenzene	200	--	350 U	350 U	420 U
Pentachlorophenol	1,000	800	880 U	890 U	1,000 U
Phenanthrene	50,000	100,000	350 U	350 U	420 U
Phenol	30	330	350 U	350 U	420 U
Pyrene	50,000	100,000	350 U	350 U	420 U

Notes:

- B - Compound was found in the blank and sample
- J - Estimated value
- U - Analyte was not detected at or above the reporting limit
- NA - Not Analyzed
- NYSDEC - New York State Department of Environmental Conservation
- RSCOs - Recommended Soil Cleanup Objectives
- Bold - Concentration exceeds NYSDEC RSCO
- - No Standard available
- ft bls - Feet below land surface
- µg/kg - Micrograms per kilogram
- SVOCs - Semivolatile Organic Compounds

**Table 3. Semivolatile Organic Compounds Detected in Off-Site Fill Materials
Final Engineering Report for OU-2, Site No. V-00159-2
Nassau Metals Corporation, Staten Island, New York**

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs	Part 375 Unrestricted Use	Off-Site Fill Material Type: Sample Designation: Sample Date:	Amboy Aggregates	Amboy Aggregates	Amboy Aggregates
				Sand	Sand	Sand
				Post-Qualification No. 3 FM-13	Post-Qualification No. 4 FM-23	Post-Qualification No. 5 FM-37
				03/27/07	05/23/07	06/28/07
1,2,4-Trichlorobenzene	3,400	--		5.5 U	5.2 U	5.4 U
1,2-Dichlorobenzene	7,900	8,400		5.5 U	5.2 U	5.4 U
1,3-Dichlorobenzene	1,600	2,400		5.5 U	5.2 U	5.4 U
1,4-Dichlorobenzene	8,500	1,800		5.5 U	5.2 U	5.4 U
2,4,5-Trichlorophenol	100	--		910 U	860 U	890 U
2,4-Dichlorophenol	400	--		360 U	340 U	350 U
2,4-Dinitrophenol	200	--		910 U	860 U	890 U
2,6-Dinitrotoluene	1,000	--		360 U	340 U	350 U
2-Chlorophenol	800	--		360 U	340 U	350 U
2-Methylnaphthalene	36,400	--		360 U	340 U	350 U
2-Methylphenol	100	330		360 U	340 U	350 U
2-Nitroaniline	430	--		910 U	860 U	890 U
2-Nitrophenol	330	--		360 U	340 U	350 U
3,3'-Dichlorobenzidine	--	--		360 U	340 U	350 U
3-Nitroaniline	500	--		910 U	860 U	890 U
4-Chloro-3-methylphenol	240	--		360 U	340 U	350 U
4-Chloroaniline	220	--		360 U	340 U	350 U
4-Nitrophenol	100	--		910 U	860 U	890 U
Acenaphthene	50,000	20,000		360 U	340 U	350 U
Acenaphthylene	50,000	100,000		360 U	340 U	350 U
Anthracene	50,000	100,000		360 U	340 U	350 U
Aniline	100	--		360 U	340 U	350 U
Benzo[a]anthracene	224	1,000		360 U	340 U	350 U
Benzo[a]pyrene	61	1,000		360 U	340 U	350 U
Benzo[b]fluoranthene	220	1,000		360 U	340 U	350 U
Benzo[g,h,i]perylene	50,000	100,000		360 U	340 U	350 U
Benzo[k]fluoranthene	220	800		360 U	340 U	350 U
Bis(2-ethylhexyl)	50,000	--		360 U	340 U	350 U
Butylbenzyl phthalate	50,000	--		360 U	340 U	350 U
Chrysene	400	1,000		360 U	340 U	350 U
Dibenzo[a,h]anthracene	14	330		360 U	340 U	350 U
Dibenzofuran	6,200	7,000		360 U	340 U	350 U
Diethyl phthalate	7,100	--		360 U	340 U	350 U
Dimethyl phthalate	2,000	--		360 U	340 U	350 U
Di-n-butyl phthalate	8,100	--		360 U	340 U	350 U
Di-n-octyl phthalate	50,000	--		360 U	340 U	350 U
Fluoranthene	50,000	100,000		360 U	59 J	350 U
Fluorene	50,000	30,000		360 U	340 U	350 U
Hexachlorobenzene	410	330		360 U	340 U	350 U
Indeno[1,2,3-cd]pyrene	3,200	500		360 U	340 U	350 U
Isophorone	4,400	--		360 U	340 U	350 U
Naphthalene	13,000	12,000		360 U	340 U	350 U
Nitrobenzene	200	--		360 U	340 U	350 U
Pentachlorophenol	1,000	800		910 U	860 U	890 U
Phenanthrene	50,000	100,000		360 U	71 J	350 U
Phenol	30	330		360 U	340 U	350 U
Pyrene	50,000	100,000		360 U	340 U	350 U

Notes:

- B - Compound was found in the blank and sample
- J - Estimated value
- U - Analyte was not detected at or above the reporting limit
- NA - Not Analyzed
- NYSDEC - New York State Department of Environmental Conservation
- RSCOs - Recommended Soil Cleanup Objectives
- Bold - Concentration exceeds NYSDEC RSCO
- - No Standard available
- ft bls - Feet below land surface
- µg/kg - Micrograms per kilogram
- SVOCs - Semivolatile Organic Compounds

**Table 3. Semivolatile Organic Compounds Detected in Off-Site Fill Materials
Final Engineering Report for OU-2, Site No. V-00159-2
Nassau Metals Corporation, Staten Island, New York**

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs	Part 375 Unrestricted Use	Off-Site Fill Material Type: Sample Designation: Sample Date:	Amboy Aggregates	Amboy Aggregates	Amboy Aggregates
				Sand Post-Qualification No. 6 FM-48 08/02/07	Sand Post-Qualification No. 7 FM-56 09/05/07	Sand Post-Qualification No. 8 FM-58 09/24/09
1,2,4-Trichlorobenzene	3,400	--		5.6 U	5.3 U	5.2 U
1,2-Dichlorobenzene	7,900	8,400		5.6 U	5.3 U	5.2 U
1,3-Dichlorobenzene	1,600	2,400		5.6 U	5.3 U	5.2 U
1,4-Dichlorobenzene	8,500	1,800		5.6 U	5.3 U	5.2 U
2,4,5-Trichlorophenol	100	--		920 U	880 U	870 U
2,4-Dichlorophenol	400	--		370 U	350 U	350 U
2,4-Dinitrophenol	200	--		920 U	880 U	870 U
2,6-Dinitrotoluene	1,000	--		370 U	350 U	350 U
2-Chlorophenol	800	--		370 U	350 U	350 U
2-Methylnaphthalene	36,400	--		370 U	350 U	350 U
2-Methylphenol	100	330		370 U	350 U	350 U
2-Nitroaniline	430	--		920 U	880 U	870 U
2-Nitrophenol	330	--		370 U	350 U	350 U
3,3'-Dichlorobenzidine	--	--		370 U	350 U	350 U
3-Nitroaniline	500	--		920 U	880 U	870 U
4-Chloro-3-methylphenol	240	--		370 U	350 U	350 U
4-Chloroaniline	220	--		370 U	350 U	350 U
4-Nitrophenol	100	--		920 U	880 U	870 U
Acenaphthene	50,000	20,000		370 U	350 U	350 U
Acenaphthylene	50,000	100,000		370 U	350 U	350 U
Anthracene	50,000	100,000		370 U	350 U	350 U
Aniline	100	--		370 U	350 U	350 U
Benzo[a]anthracene	224	1,000		370 U	350 U	120 J
Benzo[a]pyrene	61	1,000		370 U	350 U	59 J
Benzo[b]fluoranthene	220	1,000		370 U	350 U	54 J
Benzo[g,h,i]perylene	50,000	100,000		370 U	350 U	76 J
Benzo[k]fluoranthene	220	800		370 U	350 U	350 U
Bis(2-ethylhexyl)	50,000	--		370 U	350 U	350 U
Butylbenzyl phthalate	50,000	--		370 U	350 U	350 U
Chrysene	400	1,000		370 U	350 U	190 J
Dibenzo[a,h]anthracene	14	330		370 U	350 U	350 U
Dibenzofuran	6,200	7,000		370 U	350 U	350 U
Diethyl phthalate	7,100	--		370 U	350 U	350 U
Dimethyl phthalate	2,000	--		370 U	350 U	350 U
Di-n-butyl phthalate	8,100	--		370 U	350 U	350 U
Di-n-octyl phthalate	50,000	--		370 U	350 U	350 U
Fluoranthene	50,000	100,000		370 U	58 J	350 U
Fluorene	50,000	30,000		370 U	350 U	350 U
Hexachlorobenzene	410	330		370 U	350 U	350 U
Indeno[1,2,3-cd]pyrene	3,200	500		370 U	350 U	350 U
Isophorone	4,400	--		370 U	350 U	350 U
Naphthalene	13,000	12,000		370 U	350 U	350 U
Nitrobenzene	200	--		370 U	350 U	350 U
Pentachlorophenol	1,000	800		920 U	880 U	870 U
Phenanthrene	50,000	100,000		370 U	59 J	350 U
Phenol	30	330		370 U	350 U	350 U
Pyrene	50,000	100,000		370 U	350 U	350 U

Notes:

- B - Compound was found in the blank and sample
- J - Estimated value
- U - Analyte was not detected at or above the reporting limit
- NA - Not Analyzed
- NYSDEC - New York State Department of Environmental Conservation
- RSCOs - Recommended Soil Cleanup Objectives
- Bold - Concentration exceeds NYSDEC RSCO
- - No Standard available
- ft bls - Feet below land surface
- µg/kg - Micrograms per kilogram
- SVOCs - Semivolatile Organic Compounds

**Table 3. Semivolatile Organic Compounds Detected in Off-Site Fill Materials
Final Engineering Report for OU-2, Site No. V-00159-2
Nassau Metals Corporation, Staten Island, New York**

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs	Part 375 Unrestricted Use	Off-Site Fill Material Type: Sample Designation: Sample Date:	Nature's Choice Site	Nature's Choice Site	Nature's Choice Site
				Topsoil Prequalification FM-19 05/08/07	Topsoil Post-Qualification No. 1 FM-25 06/07/07	Topsoil Post-Qualification No. 2 FM-47 07/20/07
1,2,4-Trichlorobenzene	3,400	--		6.8 U	6.8 U	8.9 U
1,2-Dichlorobenzene	7,900	8,400		6.8 U	6.8 U	8.9 U
1,3-Dichlorobenzene	1,600	2,400		6.8 U	6.8 U	8.9 U
1,4-Dichlorobenzene	8,500	1,800		6.8 U	6.8 U	8.9 U
2,4,5-Trichlorophenol	100	--		1,100 U	1,100 U	1,500 J
2,4-Dichlorophenol	400	--		450 U	450 U	590 U
2,4-Dinitrophenol	200	--		1,100 U	1,100 U	1,500 J
2,6-Dinitrotoluene	1,000	--		450 U	450 U	590 U
2-Chlorophenol	800	--		450 U	450 U	590 U
2-Methylnaphthalene	36,400	--		450 U	450 U	590 U
2-Methylphenol	100	330		450 U	450 U	590 U
2-Nitroaniline	430	--		1,100 U	1,100 U	1,500 J
2-Nitrophenol	330	--		450 U	450 U	590 U
3,3'-Dichlorobenzidine	--	--		450 U	450 U	590 U
3-Nitroaniline	500	--		1,100 U	1,100 U	1,500 J
4-Chloro-3-methylphenol	240	--		450 U	450 U	590 U
4-Chloroaniline	220	--		450 U	450 U	590 U
4-Nitrophenol	100	--		1,100 U	1,100 U	1,500 J
Acenaphthene	50,000	20,000		450 U	450 U	590 U
Acenaphthylene	50,000	100,000		450 U	450 U	590 U
Anthracene	50,000	100,000		450 U	450 U	590 U
Aniline	100	--		450 U	450 U	590 U
Benzo[a]anthracene	224	1,000		140 J	95 J	200 J
Benzo[a]pyrene	61	1,000		170 J	120 J	230 J
Benzo[b]fluoranthene	220	1,000		290 J	170 J	370 J
Benzo[g,h,i]perylene	50,000	100,000		450 U	110 J	610
Benzo[k]fluoranthene	220	800		450 U	450 U	590 U
Bis(2-ethylhexyl)	50,000	--		310 J	450 U	590 U
Butylbenzyl phthalate	50,000	--		450 U	450 U	590 U
Chrysene	400	1,000		180 J	120 J	240 J
Dibenzo[a,h]anthracene	14	330		450 U	450 U	590 U
Dibenzofuran	6,200	7,000		450 U	450 U	590 U
Diethyl phthalate	7,100	--		450 U	450 U	590 U
Dimethyl phthalate	2,000	--		450 U	450 U	590 U
Di-n-butyl phthalate	8,100	--		450 U	450 U	590 U
Di-n-octyl phthalate	50,000	--		450 U	450 U	590 U
Fluoranthene	50,000	100,000		210 J	160 J	430 J
Fluorene	50,000	30,000		450 U	450 U	590 U
Hexachlorobenzene	410	330		450 U	450 U	590 U
Indeno[1,2,3-cd]pyrene	3,200	500		58 J	93 J	450 J
Isophorone	4,400	--		450 U	450 U	590 U
Naphthalene	13,000	12,000		450 U	450 U	590 U
Nitrobenzene	200	--		450 U	450 U	590 U
Pentachlorophenol	1,000	800		1,100 U	1,100 U	590 U
Phenanthrene	50,000	100,000		450 U	450 U	190 J
Phenol	30	330		450 U	450 U	590 U
Pyrene	50,000	100,000		200 J	140 J	250 J

Notes:

- B - Compound was found in the blank and sample
- J - Estimated value
- U - Analyte was not detected at or above the reporting limit
- NA - Not Analyzed
- NYSDEC - New York State Department of Environmental Conservation
- RSCOs - Recommended Soil Cleanup Objectives
- Bold - Concentration exceeds NYSDEC RSCO
- - No Standard available
- ft bls - Feet below land surface
- µg/kg - Micrograms per kilogram
- SVOCs - Semivolatile Organic Compounds

**Table 4. Metal Compounds Detected in Off-Site Fill Materials
Final Engineering Report for OU-2, Site No. V-00159-2
Nassau Metals Corporation, Staten Island, New York**

Parameter (Concentrations in mg/kg)	NYSDEC RSCOs	Part 375 Unrestricted	Off-Site Fill Material Type:	<u>Almasi Company Site</u>	<u>Almasi Company Site</u>	<u>Almasi Company Site</u>	<u>Amboy Aggregates</u>	<u>Amboy Aggregates</u>
			Sample Designation:	Common Fill Prequalification	Common Fill Post-Qualification No. 1	Common Fill Post-Qualification No. 2	Sand Prequalification	Sand Post-Qualification No. 1
			Sample Date:	PJP-001	FM-17	FM-18	FM-02	FM-05
				01/09/07	05/07/07	05/07/07	10/31/06	01/11/07
Aluminum	33,000	--		NA	1,380	2,090	1,240	1,410
Antimony	4.3 (SB)	--		0.62 U	2.82 U	2.81 U	6.42 U	0.609 J
Arsenic	9.7 (SB)	13		1.70	2.18	1.82	2.89	2.40
Barium	300	350		24	5.81	6.64	1.310 J	2.06 J
Beryllium	0.72 (SB)	7.2		0.4	0.132 J	0.164 J	0.114 J	0.2 J
Cadmium	1	2.5		0.16 U	0.334 J	0.463	0.106 J	0.541 U
Calcium	35,000	--		NA	399	238	2,470	16,100
Chromium	15 (SB)	--		11	15	11.5	5.65	8.32
Cobalt	30	--		NA	1.22 J	1.560 J	2.04 J	1.18 J
Copper	365 (SB)	50		7.3	5.44	5.45	1.24 J	16.6
Iron	17,000 (SB)	--		NA	10,300	6,860	5,400	4,980
Lead	500	63		7.2	3.43	5.53	2.33	2.55
Magnesium	5,000	--		NA	133	99.1 J	927	818
Manganese	5,000	1600		NA	69.2	15.3	38.5	36.8
Mercury	0.3 (SB)	0.18		0.03 U	0.005 J	0.005 J	0.011 U	0.011 U
Nickel	34.9 (SB)	30		4.9	1.28 J	1.75 J	4.48	3.09 J
Potassium	43,000	--		NA	40.4 J	78.5 J	268 J	1,130
Selenium	2	3.9		0.94 U	0.406 J	0.433 J	0.64 J	2.16 U
Silver	--	2		0.94 U	0.543 J	1.33	0.156 J	0.7 J
Sodium	8,000	--		NA	121	260	647	7,730
Thallium	--	--		0.75	2.26 U	2.25 U	1.07 U	2.2
Vanadium	150	--		18	27.5	28.2	7.97	9.19
Zinc	333 (SB)	109		18	11.1	10.8	12.1	13.1

Notes:

- J - Reported value is less than the Reporting Limit but greater than the Instrument Detection Limit.
- U - Analyte was not detected at or above the reporting limit
- N - Presumptive evidence of a compound
- NA - Not Analyzed
- NYSDEC - New York State Department of Environmental Conservation
- RSCOs - Concentration exceeds NYSDEC RSCO
- Bold - Concentration exceeds Restricted Residential standard
- No Standard available
- mg/kg - Milligrams per kilogram
- SB - Site Background
- NA - Not Analyzed

**Table 4. Metal Compounds Detected in Off-Site Fill Materials
Final Engineering Report for OU-2, Site No. V-00159-2
Nassau Metals Corporation, Staten Island, New York**

Parameter (Concentrations in mg/kg)	NYSDEC RSCOs	Part 375 Unrestricted	Off-Site Fill Material Type:	<u>Amboy Aggregates</u>				
				Sand	Sand	Sand	Sand	Sand
			Sample Designation:	Post-Qualification No. 2	Post-Qualification No. 3	Post-Qualification No. 4	Post-Qualification No. 5	Post-Qualification No. 6
			Sample Date:	FM-09	FM-13	FM-23	FM-37	FM-48
				03/01/07	03/27/07	05/23/07	06/28/07	08/02/07
Aluminum	33,000	--		1,310	1,360	1,160	820	1,080
Antimony	4.3 (SB)	--		10.3	2.76 UN	2.6 U	2.7 U	2.8 U
Arsenic	9.7 (SB)	13		1.79	2.56	1.1 U	1.1 U	2.15
Barium	300	350		6.36 U	1.77 J	5.3 U	5.4 U	2.64 J
Beryllium	0.72 (SB)	7.2		0.154 J	0.156 J	0.16 J	0.09 J	0.149 J
Cadmium	1	2.5		0.228 J	0.331 U	0.32 U	0.32 U	0.432 J
Calcium	35,000	--		2,320	2,220	1,590	1,960	1,860
Chromium	15 (SB)	--		5.89	8.38	5.3	3.7	4.55
Cobalt	30	--		1.21 J	0.961 J	0.99 J	1.3 J	1.65 J
Copper	365 (SB)	50		1.61	11.2	2.0	1.5	1.87
Iron	17,000 (SB)	--		5,760	5,600	6,300	3,660	4,320
Lead	500	63		1.7	5.55	9.2	6.5	2.56
Magnesium	5,000	--		855	864	662	528	684
Manganese	5,000	1600		34.3	31.1	34.4	27.4	38.2
Mercury	0.3 (SB)	0.18		0.013 U	0.007 J	0.014	0.011 U	0.011 U
Nickel	34.9 (SB)	30		2.79	2.68	3.0	2.1 J	2.76
Potassium	43,000	--		639	883	510	311	431
Selenium	2	3.9		1.27 U	0.364 J	1.1 U	0.019 J	1.12 U
Silver	--	2		1.17	0.552 U	0.53 U	0.54 U	0.402 J
Sodium	8,000	--		1,250	1,160 N	441	1,820	1,060
Thallium	--	--		2.54 U	2.21 U	2.1 U	2.1 U	2.24 U
Vanadium	150	--		8.58	8.31	8.3	4.6	6.81
Zinc	333 (SB)	109		12.6	27.6	11.0	8.6	11.8

Notes:

- J - Reported value is less than the Reporting Limit but greater than the Instrument Detection Limit.
- U - Analyte was not detected at or above the reporting limit
- N - Presumptive evidence of a compound
- NA - Not Analyzed
- NYSDEC - New York State Department of Environmental Conservation
- RSCOs - Concentration exceeds NYSDEC RSCO
- Bold - Concentration exceeds Restricted Residential standard
- No Standard available
- mg/kg - Milligrams per kilogram
- SB - Site Background
- NA - Not Analyzed

Table 4. Metal Compounds Detected in Off-Site Fill Materials
Final Engineering Report for OU-2, Site No. V-00159-2
Nassau Metals Corporation, Staten Island, New York

Parameter (Concentrations in mg/kg)	NYSDEC RSCOs	Part 375 Unrestricted	Off-Site Fill Material Type:	<u>Amboy Aggregates</u>	<u>Amboy Aggregates</u>	<u>Nature's Choice Site</u>	<u>Nature's Choice Site</u>	<u>Nature's Choice Site</u>
			Sample Designation:	Sand	Sand	Topsoil	Topsoil	Topsoil
			Sample Date:	Post-Qualification No. 7	Post-Qualification No. 8	Prequalification	Post-Qualification No. 1	Post-Qualification No. 2
			FM-56	FM-58	FM-19	FM-25	FM-47	
			09/05/07	09/24/09	05/08/07	06/07/07	07/20/07	
Aluminum	33,000	--	NA	1,130	4,490	3,420	6,440	
Antimony	4.3 (SB)	--	NA	1.76 U	3.45 U	3.4 U	4.46 U	
Arsenic	9.7 (SB)	13	2.73	1.31	5.38	3.60	6.22	
Barium	300	350	0.866 J	0.819 J	40.2	38.1	66.6	
Beryllium	0.72 (SB)	7.2	NA	0.154 J	0.288 J	0.18 J	0.479 J	
Cadmium	1	2.5	0.321 J	0.234 J	0.719	0.41 U	0.750 U	
Calcium	35,000	--	NA	1,890	11,300	3,760	35,100	
Chromium	15 (SB)	--	5.61	5.9	8.35	6.7	13.4	
Cobalt	30	--	NA	1.38	5.26	4.3	6.26	
Copper	365 (SB)	50	NA	1.62	18.4	33.7	35.1	
Iron	17,000 (SB)	--	NA	4,350	8,720	8,910	12,700	
Lead	500	63	2.37	2.14	27	53.4	43.6	
Magnesium	5,000	--	NA	593	2,080	1,610	18,300	
Manganese	5,000	1600	NA	31	289	323	524	
Mercury	0.3 (SB)	0.18	0.011 U	0.004 JN	0.03	0.012	0.031	
Nickel	34.9 (SB)	30	NA	3.13	11.2	9.2	11.6	
Potassium	43,000	--	NA	564	1,420	982	3,530	
Selenium	2	3.9	0.424 J	0.225 J	0.596 J	0.73 J	0.746 J	
Silver	--	2	0.354 U	0.147 J	0.330 J	0.69 U	0.557 J	
Sodium	8,000	--	NA	691	460	678	646	
Thallium	--	--	NA	1.41 U	2.76 U	2.8 U	3.57 U	
Vanadium	150	--	NA	6.69	8.91	7.1	18.8	
Zinc	333 (SB)	109	NA	10.8	62.6	55.8	102	

Notes:

- J - Reported value is less than the Reporting Limit but greater than the Instrument Detection Limit.
- U - Analyte was not detected at or above the reporting limit
- N - Presumptive evidence of a compound
- NA - Not Analyzed
- NYSDEC - New York State Department of Environmental Conservation
- RSCOs - Concentration exceeds NYSDEC RSCO
- Bold - Concentration exceeds Restricted Residential standard
- No Standard available
- mg/kg - Milligrams per kilogram
- SB - Site Background
- NA - Not Analyzed

**Table 5. Polychlorinated Biphenyl Compounds Detected in Off-Site Fill Materials
Final Engineering Report for OU-2, Site No. V-00159-2
Nassau Metals Corporation, Staten Island, New York**

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs	Part 375 Unrestricted Use	Off-Site Fill Material Type: Sample Designation: Sample Date:	Almasi Company Site	Almasi Company Site	Almasi Company Site	Amboy Aggregates	Amboy Aggregates
				Common Fill Prequalification PJP-001 01/09/07	Common Fill Post-Qualification No. 1 FM-17 05/07/07	Common Fill Post-Qualification No. 2 FM-18 05/07/07	Sand Prequalification FM-02 10/31/06	Sand Post-Qualification No. 1 FM-05 01/11/07
Aroclor-1016	--	--		36 U	19 U	19 U	18 U	18 U
Aroclor-1221	--	--		36 U	19 U	19 U	18 U	18 U
Aroclor-1232	--	--		36 U	19 U	19 U	18 U	18 U
Aroclor-1242	--	--		36 U	19 U	19 U	18 U	18 U
Aroclor-1248	--	--		36 U	19 U	19 U	18 U	18 U
Aroclor-1254	--	--		36 U	19 U	19 U	18 U	18 U
Aroclor-1260	--	--		36 U	19 U	19 U	18 U	18 U
Aroclor-1262	--	--		36 U	19 U	19 U	18 U	18 U
Total PCBs:	10,000	1,000		0	0	0	0	0

Notes:

- U - Analyte was not detected at or above the reporting limit
- NYSDEC - New York State Department of Environmental Conservation
- RSCOs - Recommended Soil Cleanup Objectives
- Bold - Concentration exceeds NYSDEC RSCO
- No Standard available
- µg/kg - Micrograms per kilogram
- PCBs - Polychlorinated Biphenyl Compounds

**Table 5. Polychlorinated Biphenyl Compounds Detected in Off-Site Fill Materials
Final Engineering Report for OU-2, Site No. V-00159-2
Nassau Metals Corporation, Staten Island, New York**

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs	Part 375 Unrestricted Use	Off-Site Fill Material Type:	Amboy Aggregates Sand				
			Sample Designation:	Post-Qualification No. 2 FM-09	Post-Qualification No. 3 FM-13	Post-Qualification No. 4 FM-23	Post-Qualification No. 5 FM-37	Post-Qualification No. 6 FM-48
			Sample Date:	03/01/07	03/27/07	05/23/07	06/28/07	08/02/07
Aroclor-1016	--	--		21 U	18 U	18 U	18 U	19 U
Aroclor-1221	--	--		21 U	18 U	18 U	18 U	19 U
Aroclor-1232	--	--		21 U	18 U	18 U	18 U	19 U
Aroclor-1242	--	--		21 U	18 U	18 U	18 U	19 U
Aroclor-1248	--	--		21 U	18 U	18 U	18 U	19 U
Aroclor-1254	--	--		21 U	18 U	18 U	18 U	19 U
Aroclor-1260	--	--		21 U	18 U	18 U	18 U	19 U
Aroclor-1262	--	--		21 U	18 U	18 U	18 U	19 U
Total PCBs:	10,000	1,000		0	0	0	0	0

Notes:

- U - Analyte was not detected at or above the reporting limit
- NYSDEC - New York State Department of Environmental Conservation
- RSCOs - Recommended Soil Cleanup Objectives
- Bold - Concentration exceeds NYSDEC RSCO
- No Standard available
- µg/kg - Micrograms per kilogram
- PCBs - Polychlorinated Biphenyl Compounds

**Table 5. Polychlorinated Biphenyl Compounds Detected in Off-Site Fill Materials
Final Engineering Report for OU-2, Site No. V-00159-2
Nassau Metals Corporation, Staten Island, New York**

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs	Part 375 Unrestricted Use	Off-Site Fill Material Type:	Amboy Aggregates Sand	Amboy Aggregates Sand	Nature's Choice Site Topsoil	Nature's Choice Site Topsoil	Nature's Choice Site Topsoil
			Sample Designation:	Post-Qualification No. 7 FM-56	Post-Qualification No. 8 FM-58	Prequalification FM-19	Post-Qualification No. 1 FM-25	Post-Qualification No. 2 FM-47
			Sample Date:	09/05/07	09/24/09	05/08/07	06/07/07	07/20/07
Aroclor-1016	--	--		18 U	18 U	23 U	23 U	30 U
Aroclor-1221	--	--		18 U	18 U	23 U	23 U	30 U
Aroclor-1232	--	--		18 U	18 U	23 U	23 U	30 U
Aroclor-1242	--	--		18 U	18 U	23 U	23 U	30 U
Aroclor-1248	--	--		18 U	18 U	23 U	23 U	30 U
Aroclor-1254	--	--		18 U	18 U	23 U	23 U	30 U
Aroclor-1260	--	--		18 U	18 U	23 U	23 U	30 U
Aroclor-1262	--	--		18 U	18 U	23 U	23 U	30 U
Total PCBs:	10,000	1,000		0	0	0	0	0

Notes:

- U - Analyte was not detected at or above the reporting limit
- NYSDEC - New York State Department of Environmental Conservation
- RSCOs - Recommended Soil Cleanup Objectives
- Bold - Concentration exceeds NYSDEC RSCO
- No Standard available
- µg/kg - Micrograms per kilogram
- PCBs - Polychlorinated Biphenyl Compounds

Table 6. Pesticides/ Herbicides Detected in Off-Site Fill Materials
Final Engineering Report for OU-2, Site No. V-00159-2
Nassau Metals Corporation, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs	Part 375 Unrestricted Use	Off-Site Fill Material Type: Sample Designation: Sample Date:	Almasi Company Site	Almasi Company Site	Almasi Company Site	Amboy Aggregates	Amboy Aggregates
				Common Fill Prequalification PJP-001 01/09/07	Common Fill Post-Qualification No. 1 FM-17 05/07/07	Common Fill Post-Qualification No. 2 FM-18 05/07/07	Sand Prequalification FM-02 10/31/06	Sand Post-Qualification No. 1 FM-05 01/11/07
Pesticides								
4,4'-DDD	2,900	3.3		3.6 U	3.3 U	3.3 U	3.1 U	3.2 U
4,4'-DDE	2,100	3.3		3.6 U	3.3 U	3.3 U	3.1 U	3.2 U
4,4'-DDT	2,100	3.3		3.6 U	3.3 U	3.3 U	3.1 U	3.2 U
Aldrin	41	5		1.9 U	3.3 U	3.3 U	3.1 U	3.2 U
alpha-BHC	110	20		1.9 U	3.3 U	3.3 U	3.1 U	3.2 U
Chlordane	540	--		1.9 U	19 U	19 U	18 U	18 U
beta-BHC	200	36		1.9 U	3.3 U	3.3 U	3.1 U	3.2 U
delta-BHC	300	40		1.9 U	3.3 U	3.3 U	3.1 U	3.2 U
Dieldrin	44	94		3.6 U	3.3 U	3.3 U	3.1 U	3.2 U
Endosulfan I	900	2,400		1.9 U	3.3 U	3.3 U	3.1 U	3.2 U
Endosulfan II	900	2,400		3.6 U	3.3 U	3.3 U	3.1 U	3.2 U
Endosulfan sulfate	1,000	2,400		3.6 U	3.3 U	3.3 U	3.1 U	3.2 U
Endrin	100	14		3.6 U	3.3 U	3.3 U	3.1 U	3.2 U
gamma-BHC (Lindane)	60	100		1.9 U	3.3 U	3.3 U	3.1 U	3.2 U
gamma-Chlordane	540	--		1.9 U	3.3 U	3.3 U	3.1 U	3.2 U
Heptachlor epoxide	20	--		1.9 U	3.3 U	3.3 U	3.1 U	3.2 U
Heptachlor	100	42		1.9 U	3.3 U	3.3 U	3.1 U	3.2 U
Herbicides								
2,4-D	500	--		NA	78 U	77 U	73 U	74 U
2,4,5-TP (Silvex)	700	3,800		NA	78 U	77 U	73 U	74 U
2,4,5-T	1,900	--		NA	78 U	77 U	73 U	74 U

Notes:

U - Analyte was not detected at or above the reporting limit

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

NA - Not Analyzed

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

-- No Standard available

ft bls - Feet below land surface

µg/kg - Micrograms per kilogram

PCBs - Polychlorinated Biphenyl Compounds

**Table 6. Pesticides/ Herbicides Detected in Off-Site Fill Materials
Final Engineering Report for OU-2, Site No. V-00159-2
Nassau Metals Corporation, Staten Island, New York**

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs	Part 375 Unrestricted Use	Off-Site Fill Material Type:	Amboy Aggregates				
				Sand	Sand	Sand	Sand	Sand
			Sample Designation:	Post-Qualification No. 2	Post-Qualification No. 3	Post-Qualification No. 4	Post-Qualification No. 5	Post-Qualification No. 6
			Sample Date:	FM-09 03/01/07	FM-13 03/27/07	FM-23 05/23/07	FM-37 06/28/07	FM-48 08/02/07
Pesticides								
4,4'-DDD	2,900	3.3		3.8 U	3.3 U	3.1 U	3.2 U	3.4 U
4,4'-DDE	2,100	3.3		3.8 U	3.3 U	3.1 U	3.2 U	3.4 U
4,4'-DDT	2,100	3.3		3.8 U	3.3 U	3.1 U	3.2 U	3.4 U
Aldrin	41	5		3.8 U	3.3 U	3.1 U	3.2 U	3.4 U
alpha-BHC	110	20		3.8 U	3.3 U	3.1 U	3.2 U	3.4 U
Chlordane	540	--		21 U	18 U	18 U	18 U	19 U
beta-BHC	200	36		3.8 U	3.3 U	3.1 U	3.2 U	3.4 U
delta-BHC	300	40		3.8 U	3.3 U	3.1 U	3.2 U	3.4 U
Dieldrin	44	94		3.8 U	3.3 U	3.1 U	3.2 U	3.4 U
Endosulfan I	900	2,400		3.8 U	3.3 U	3.1 U	3.2 U	3.4 U
Endosulfan II	900	2,400		3.8 U	3.3 U	3.1 U	3.2 U	3.4 U
Endosulfan sulfate	1,000	2,400		3.8 U	3.3 U	3.1 U	3.2 U	3.4 U
Endrin	100	14		3.8 U	3.3 U	3.1 U	3.2 U	3.4 U
gamma-BHC (Lindane)	60	100		3.8 U	3.3 U	3.1 U	3.2 U	3.4 U
gamma-Chlordane	540	--		3.8 U	3.3 U	3.1 U	3.2 U	3.4 U
Heptachlor epoxide	20	--		3.8 U	3.3 U	3.1 U	3.2 U	3.4 U
Heptachlor	100	42		3.8 U	3.3 U	3.1 U	3.2 U	3.4 U
Herbicides								
2,4-D	500	--		87 U	75 U	73 U	74 U	78 U
2,4,5-TP (Silvex)	700	3,800		87 U	75 U	73 U	74 U	78 U
2,4,5-T	1,900	--		87 U	75 U	73 U	74 U	78 U

Notes:

U - Analyte was not detected at or above the reporting limit

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

NA - Not Analyzed

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

-- No Standard available

ft bls - Feet below land surface

µg/kg - Micrograms per kilogram

PCBs - Polychlorinated Biphenyl Compounds

Table 6. Pesticides/ Herbicides Detected in Off-Site Fill Materials
Final Engineering Report for OU-2, Site No. V-00159-2
Nassau Metals Corporation, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs	Part 375 Unrestricted Use	Off-Site Fill Material Type:	Amboy Aggregates	Amboy Aggregates	Nature's Choice Site	Nature's Choice Site	Nature's Choice Site
			Sample Designation:	Sand	Sand	Topsoil	Topsoil	Topsoil
				Sample Date:	Post-Qualification No. 7	Post-Qualification No. 8	Prequalification	Post-Qualification No. 1
			FM-56	FM-58	FM-19	FM-25	FM-47	
			09/05/07	09/24/09	05/08/07	06/07/07	07/20/07	
Pesticides								
4,4'-DDD	2,900	3.3	3.1 U	3.1 U	4.0 U	4.1 U	5.3 U	
4,4'-DDE	2,100	3.3	3.1 U	3.1 U	4.0 U	4.1 U	8.7 P	
4,4'-DDT	2,100	3.3	3.1 U	3.1 U	4.0 U	4.1 U	5.3 U	
Aldrin	41	5	3.1 U	3.1 U	4.0 U	4.1 U	5.3 U	
alpha-BHC	110	20	3.1 U	3.1 U	4.0 U	4.1 U	5.3 U	
Chlordane	540	--	18 U	18 U	23 U	23 U	30 U	
beta-BHC	200	36	3.1 U	3.1 U	4.0 U	4.1 U	5.3 U	
delta-BHC	300	40	3.1 U	3.1 U	4.0 U	4.1 U	5.3 U	
Dieldrin	44	94	3.1 U	3.1 U	4.0 U	4.1 U	5.3 U	
Endosulfan I	900	2,400	3.1 U	3.1 U	4.0 U	4.1 U	5.3 U	
Endosulfan II	900	2,400	3.1 U	3.1 U	4.0 U	4.1 U	5.3 U	
Endosulfan sulfate	1,000	2,400	3.1 U	3.1 U	4.0 U	4.1 U	5.3 U	
Endrin	100	14	3.1 U	3.1 U	4.0 U	4.1 U	5.3 U	
gamma-BHC (Lindane)	60	100	3.1 U	3.1 U	4.0 U	4.1 U	5.3 U	
gamma-Chlordane	540	--	3.1 U	3.1 U	4.0 U	4.1 U	7.9	
Heptachlor epoxide	20	--	3.1 U	3.1 U	4.0 U	4.1 U	5.3 U	
Heptachlor	100	42	3.1 U	3.1 U	4.0 U	4.1 U	5.3 U	
Herbicides								
2,4-D	500	--	73 U	73 U	95 U	95 U	120 U	
2,4,5-TP (Silvex)	700	3,800	73 U	73 U	95 U	95 U	120 U	
2,4,5-T	1,900	--	73 U	73 U	95 U	95 U	120 U	

Notes:

U - Analyte was not detected at or above the reporting limit

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

NA - Not Analyzed

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

-- No Standard available

ft bls - Feet below land surface

µg/kg - Micrograms per kilogram

PCBs - Polychlorinated Biphenyl Compounds

**Table 7. Waste Disposal Summary for Construction and Demolition Debris and Bulky Waste
Final Engineering Report for OU-2, Site No. V-00159-2
Nassau Metals Corporation, Staten Island, New York**

Date	Quantity (Cubic Yards)	Material Description
04/02/07	30	Scrap Metal
05/18/07	30	Scrap Metal
07/18/07	30	Rail Road Ties
07/18/07	30	Rail Road Ties
07/20/07	30	Rail Road Ties
07/20/07	30	Rail Road Ties
07/26/07	30	Vegetative Debris
07/26/07	30	Rail Road Ties
07/27/07	30	Vegetative Debris
07/27/07	30	Vegetative Debris
07/27/07	30	Vegetative Debris
07/27/07	30	Site debris - trash
07/27/07	30	Site debris - trash
07/27/07	30	Scrap Metal
07/30/07	30	Rail Road Ties
07/30/07	30	Site debris - trash
08/06/07	30	Aqua Dam Debris
08/06/07	30	Aqua Dam Debris
08/06/07	30	Aqua Dam Debris
08/06/07	30	Scrap Metal
08/07/07	30	Aqua Dam Debris
08/07/07	30	Aqua Dam Debris
08/07/07	30	Aqua Dam Debris
08/07/07	30	Aqua Dam Debris
08/08/07	30	Aqua Dam Debris
08/31/07	Not Applicable	50 Pieces RR Steel via Flat Bed Truck, No Ticket Provided
08/31/07	30	General Debris, No Ticket Provided
09/12/07	30	General Debris
09/12/07	30	General Debris
09/26/07	30	General Debris
10/04/07	30	General Debris
10/04/08	30	General Debris
10/15/07	30	General Debris
10/15/07	30	General Debris
10/16/07	30	General Debris
10/26/07	30	Concrete and rebar, No Ticket Provided
10/30/07	30	General Debris
10/30/07	30	Concrete and rebar
11/01/07	30	Concrete and rebar
11/05/07	30	Concrete and rebar
11/05/07	30	Concrete and rebar
11/05/07	30	Concrete and rebar
11/09/07	30	General Debris
11/09/07	30	General Debris
11/13/07	30	General Debris
11/20/07	30	General Debris
11/20/07	30	General Debris
11/20/07	30	General Debris
11/21/07	30	General Debris
11/27/07	30	General Debris

**Table 8. Waste Disposal Summary for Non-Hazardous Treatment System Spent Media
 Final Engineering Report for OU-2, Site No. V-00159-2
 Nassau Metals Corporation, Staten Island, New York**

<u>Date</u>	<u>Disposal Facility</u>	<u>Manifest Number</u>	<u>Estimated Weight</u> (lbs)
08/20/07	Cycle Chem's Facility	000310415 FLE	21,000
10/17/07	Elizabeth, New Jersey	NAU01	6,000
10/18/07		NAU02	5,000
Total			32,000