

Table 20

Comparison of Surface Soil Results to Ecological Criteria - Delineation Investigation

Sites 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

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Parameter	Frequency of Detection	Minimum Detected Concentration	Maximum Detected Concentration	Sample of Maximum Detect	Overall Average	Ecological Screening Criteria ⁽¹⁾	Hazard Quotient ⁽²⁾
Inorganics (mg/kg)							
ANTIMONY	5/10	0.38 J	3.3	063_F010_0.0	1.1575	0.27	12.2
CHROMIUM	10/10	9.6	3400	063_C013_0.0	787.1	26 ⁽³⁾	131
NICKEL	10/10	9.3	321	063_C013_0.0	64.21	38 ⁽⁴⁾	8.4
THALLIUM	3/10	0.32	0.46	063_Z009_0.5	0.1915	1	0.5
VANADIUM	10/10	19 J	313	063_C013_0.0	77.54	2	157
Miscellaneous Parameters (mg/kg)							
HEXAVALENT CHROMIUM	5/10	1.2 J	13.2	063_B006A_0.5	3.226	130	0.10
Miscellaneous Parameters (MV)							
OXIDATION REDUCTION POTENTIAL	10/10	263	514	063_F010_0.0	392.9	NC	NA
Miscellaneous Parameters (S.U.)							
PH	10/10	8.11	11.8	063_B006A_0.5	8.984	NC	NC

1 - Lowest New Jersey Ecological Screening Criteria for soil, except where noted

2 - Hazard Quotient = Overall Average Concentration/Screening Criteria

3 - Used chromium +3 value

4 - Lowest of USEPA Ecological Soil Screening Level value as cited in the New Jersey Ecological Screening Criteria table

J = ESTIMATED

NC = NO CRITERIA

NA = NOT APPLICABLE

Exceeds ESC