

Table 4

Remediation Standards/Screening Levels for Soil, Groundwater, Surface Water, and Sediment

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

SOIL

METALS (MG/KG)	RDC SRS	NRDC SRS	CrSCC	IGW SSL
ANTIMONY	31	450	NC	6
CHROMIUM*	NC	NC	120000	NC
NICKEL	1600	23000	NC	31
THALLIUM	5	79	NC	3
VANADIUM	78	1100	NC	NC
HEXAVALENT CHROMIUM	NC	NC	20	NC

GROUNDWATER

METALS (UG/L)		
ANTIMONY	6	GWQS
CHROMIUM (compared to Total Cr)	70	GWQS
NICKEL	100	GWQS
THALLIUM	2	GWQS
VANADIUM	60	GWQS
HEXAVALENT CHROMIUM	NC	NA

SURFACE WATER

METALS (UG/L)		
ANTIMONY	80 ⁽¹⁾	NJDEP ESC
CHROMIUM	42 ⁽¹⁾	NJDEP ESC
NICKEL	52 ⁽²⁾	NJDEP ESC
THALLIUM	10 ⁽¹⁾	NJDEP ESC
VANADIUM	12 ⁽¹⁾	NJDEP ESC
HEXAVALENT CHROMIUM	10 ⁽¹⁾	NJDEP ESC

SEDIMENT

METALS (MG/KG)		
ANTIMONY	3 ⁽⁴⁾	NJDEP ESC
CHROMIUM	26 ⁽³⁾	NJDEP ESC
NICKEL	16 ⁽³⁾	NJDEP ESC
THALLIUM	NA	NJDEP ESC
VANADIUM	NA	NJDEP ESC
HEXAVALENT CHROMIUM	NA	NJDEP ESC

NJDEP=New Jersey Department of Environmental Protection

NJAC= New Jersey Administrative Code

NC=No Criteria

NA=Not Applicable

IGW SSL = NJDEP Impact to Groundwater Soil Screening Levels, Development of Site-Specific Impact to Groundwater Soil Remediation Standards (December 2008).

RDC SRS = NJAC Chapter 7:26D. Residential Direct Contact Soil Remediation Standard.

NRDC SRS =NJAC Chapter 7:26D Non-residential Direct Contact Soil Remediation Standard.

CrSCC = NJDEP Chromium Soil Cleanup Criteria (FEB 2007/SEPT 2008)

GWQS = NJAC Chapter 7:9C. Groundwater Quality Standards

NJDEP ESC = NJDEP ECOLOGICAL SCREENING CRITERIA (MAR 2009)

(1) = Fresh Water Criteria Aquatic Chronic

(2) = Default Water Hardness of 100 mg/L and Total Recoverable Nickel Used to Calculate ESC for Nickel

(3) = Fresh Water Criteria Lowest Effects Level

(4) = Fresh Water Criteria Severe Effects Level

* = For trivalent Chromium