

Table 13A

Table of Exceedances for Soil Samples
Delineation Investigation
Residential Direct Contact Soil Remediation Standard

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

| LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE | RDC SRS | NUMBER OF EXCEEDANCES DETECTION/NON- DETECTION | 063_B006A | | | | | | |
|---|------------|---|----------------------------------|--------------------------------|----------------------------------|--------------------------------|----------------------------------|------------------------------------|----------------------------------|
| | | | 063_B006A_0.5 20121218 0.5 | 063_B006A_1.0 20121218 1 | 063_B006A_1.5 20121218 1.5 | 063_B006A-9.0 20121218 9 | 063_B006A-13.0 20121218 13 | 063_B006A-13.0-D 20121218 13 | 063_B006A_17.0 20121218 17 |
| METALS (MG/KG) | | | | | | | | | |
| ANTIMONY | 31 | 0/0 | 0.43 U | 0.92 | 0.45 J | 0.38 U | 0.39 U | 0.41 U | 0.43 U |
| CHROMIUM* | 120000 | 0/0 | 1920 | 3120 | 3280 | 19.9 | 20.4 | 22.2 | 20.1 |
| NICKEL | 1600 | 0/0 | 32 | 56.5 | 31.7 | 17.9 | 8 | 7.7 | 13.3 |
| THALLIUM | 5 | 0/0 | 0.2 U | 0.32 | 0.28 | 0.18 U | 0.19 U | 0.2 U | 0.2 U |
| VANADIUM | 78 | 2/0 | 37.4 | 66.3 | 31.6 | 24.7 | 28.8 | 30.3 | 20 |
| MISCELLANEOUS PARAMETERS (MG/KG) | | | | | | | | | |
| HEXAVALENT CHROMIUM* | 20 | 2/0 | 13.2 | 44.8 | 19.4 | 2.2 J | 1.8 J | 1.5 J | 0.86 U |
| MISCELLANEOUS PARAMETERS (MV) | | | | | | | | | |
| OXIDATION REDUCTION POTENTIAL | NC | NA | 290 | 271 | 256 | 368 | 360 | 388 | 411 |
| MISCELLANEOUS PARAMETERS (S.U.) | | | | | | | | | |
| PH | NC | NA | 11.8 | 12 | 11.7 | 9.27 | 7.69 | 7.7 | 8.46 |

U = NON DETECT

J = ESTIMATED

RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARD

*CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)

NC = NO CRITERIA

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DETECTION EXCEEDS RDC SRS

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Residential Direct Contact Soil Remediation Standard

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PPG Industries, Inc.
Jersey City, New Jersey

| LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE | RDC SRS | 063_C013 | | | | | |
|---|------------|-------------------------------|---------------------------------|-------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | | 063_C013_0.0 20121217 0 | 063_C013_0.5 20121217 0.5 | 063_C013_5.0 20121217 5 | 063_C013_10.0 20121217 10 | 063_C013_15.0 20121217 15 | 063_C013_20.0 20121217 20 |
| METALS (MG/KG) | | | | | | | |
| ANTIMONY | 31 | 2.6 | 1.2 | 0.42 U | 0.41 U | 1.2 U | 0.41 U |
| CHROMIUM* | 120000 | 3400 | 389 | 86.7 | 16.5 | 14.9 | 14.3 |
| NICKEL | 1600 | 321 | 32.6 | 12.2 | 13.4 | 12.4 | 11 |
| THALLIUM | 5 | 0.23 U | 0.22 U | 0.2 U | 0.19 U | 0.58 U | 0.19 U |
| VANADIUM | 78 | 313 | 64.3 | 20.6 | 20.6 | 20.1 | 22 |
| MISCELLANEOUS PARAMETERS (MG/KG) | | | | | | | |
| HEXAVALENT CHROMIUM* | 20 | 12.1 | 3.4 | 0.85 U | 0.85 U | 2.4 U | 0.83 U |
| MISCELLANEOUS PARAMETERS (MV) | | | | | | | |
| OXIDATION REDUCTION POTENTIAL | NC | 443 | 523 | 444 | 434 | 348 | 384 |
| MISCELLANEOUS PARAMETERS (S.U.) | | | | | | | |
| PH | NC | 8.62 | 8.43 | 8.52 | 8.56 | 8.25 | 8.72 |

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DETECTION EXCEEDS RDC SRS

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PPG Industries, Inc.
Jersey City, New Jersey

| LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE | RDC SRS | 063_C014 | | | | | | |
|---|------------|-------------------------------|---------------------------------|---------------------------------|-------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | | 063_C014_0.0 20121217 0 | 063_C014_0.5 20121217 0.5 | 063_C014_1.5 20121217 1.5 | 063_C014_5.0 20121217 5 | 063_C014_12.0 20121217 12 | 063_C014_15.0 20121217 15 | 063_C014_20.0 20121217 20 |
| METALS (MG/KG) | | | | | | | | |
| ANTIMONY | 31 | 0.44 UJ | 0.75 J | 0.8 J | 0.42 UJ | 0.45 UJ | 0.87 UJ | 0.4 UJ |
| CHROMIUM* | 120000 | 335 | 1090 | 138 | 233 | 21 | 34.2 | 18.6 |
| NICKEL | 1600 | 47.7 | 175 | 19 | 12 | 17.9 | 29.7 | 11.1 |
| THALLIUM | 5 | 0.21 U | 0.21 U | 0.2 U | 0.2 U | 0.21 U | 0.41 U | 0.19 U |
| VANADIUM | 78 | 59.6 | 220 | 31.9 | 15.9 | 24.3 | 38.6 | 25.7 |
| MISCELLANEOUS PARAMETERS (MG/KG) | | | | | | | | |
| HEXAVALENT CHROMIUM* | 20 | 1.8 J | 20.8 | 1.1 J | 5.7 | 0.93 U | 1.8 U | 0.9 U |
| MISCELLANEOUS PARAMETERS (MV) | | | | | | | | |
| OXIDATION REDUCTION POTENTIAL | NC | 263 | 469 | 450 | 501 | 424 | 344 | 360 |
| MISCELLANEOUS PARAMETERS (S.U.) | | | | | | | | |
| PH | NC | 10.8 | 8.12 | 8.22 | 8.13 | 8.62 | 8.1 | 8.59 |

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PPG Industries, Inc.
Jersey City, New Jersey

| LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE | RDC SRS | 063_D002 | | | |
|---|------------|--------------------------|---------------------------|--------------------------|---------------------------|
| | | 063_D002_0.0 20121218 | 063_D002_11.0 20121218 | 063_D002_7.0 20121218 | 063_D002_15.0 20121218 |
| 063_D002_0.0 | | 0 | 11 | 7 | 15 |
| METALS (MG/KG) | | | | | |
| ANTIMONY | 31 | 0.43 U | 0.42 U | 0.53 U | 0.37 U |
| CHROMIUM* | 120000 | 279 | 27 | 18.7 | 16.5 |
| NICKEL | 1600 | 26.7 | 18 | 15.9 | 10.9 |
| THALLIUM | 5 | 0.2 U | 0.21 J | 0.25 U | 0.18 J |
| VANADIUM | 78 | 55.2 | 38.1 | 26.6 | 25 |
| MISCELLANEOUS PARAMETERS (MG/KG) | | | | | |
| HEXAVALENT CHROMIUM* | 20 | 1.2 J | 0.86 U | 1.1 U | 2.9 |
| MISCELLANEOUS PARAMETERS (MV) | | | | | |
| OXIDATION REDUCTION POTENTIAL | NC | 402 | 374 | 341 | 454 |
| MISCELLANEOUS PARAMETERS (S.U.) | | | | | |
| PH | NC | 8.34 | 7.67 | 6.62 | 8.25 |

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 PPG Industries, Inc.
 Jersey City, New Jersey

| LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE | RDC SRS | 063_F010 | | | | |
|---|------------|-------------------------------|-------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | | 063_F010_0.0 20121217 0 | 063_F010_5.0 20121217 5 | 063_F010_10.0 20121217 10 | 063_F010_15.0 20121217 15 | 063_F010_20.0 20121217 20 |
| METALS (MG/KG) | | | | | | |
| ANTIMONY | 31 | 3.3 | 0.46 U | 0.42 U | 0.4 U | 0.41 U |
| CHROMIUM* | 120000 | 154 | 15.1 | 24.7 | 14.1 | 16.8 |
| NICKEL | 1600 | 65.2 | 12.5 | 14.4 | 9.2 | 10 |
| THALLIUM | 5 | 0.2 U | 0.22 U | 0.2 U | 0.19 U | 0.2 U |
| VANADIUM | 78 | 44 | 21.6 | 28.7 | 21 | 27.7 |
| MISCELLANEOUS PARAMETERS (MG/KG) | | | | | | |
| HEXAVALENT CHROMIUM* | 20 | 1.6 J | 1.1 J | 0.86 U | 0.83 U | 0.85 U |
| MISCELLANEOUS PARAMETERS (MV) | | | | | | |
| OXIDATION REDUCTION POTENTIAL | NC | 514 | 450 | 452 | 451 | 450 |
| MISCELLANEOUS PARAMETERS (S.U.) | | | | | | |
| PH | NC | 8.21 | 8.32 | 8.59 | 8.69 | 8.54 |

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

| LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE | RDC SRS | 063_Z002 | | | | |
|---|------------|--------------------------|--------------------------|---------------------------|-----------------------------|---------------------------|
| | | 063_Z002_0.0 20121219 | 063_Z002_8.5 20121219 | 063_Z002_12.0 20121219 | 063_Z002_12.0-D 20121219 | 063_Z002_16.5 20121219 |
| METALS (MG/KG) | | | | | | |
| ANTIMONY | 31 | 0.38 J | 0.4 UJ | 0.38 UJ | 0.38 UJ | 0.42 U |
| CHROMIUM* | 120000 | 1580 | 15.2 | 14.5 | 16.4 | 15.5 J |
| NICKEL | 1600 | 67.6 | 13.8 | 9.5 | 9.4 | 11.1 J |
| THALLIUM | 5 | 0.18 U | 0.19 U | 0.18 U | 0.18 U | 0.2 U |
| VANADIUM | 78 | 68.3 | 22 | 18.7 | 17.1 | 23 J |
| MISCELLANEOUS PARAMETERS (MG/KG) | | | | | | |
| HEXAVALENT CHROMIUM* | 20 | 0.88 U | 0.87 U | 0.85 U | 0.81 U | 0.83 U |
| MISCELLANEOUS PARAMETERS (MV) | | | | | | |
| OXIDATION REDUCTION POTENTIAL | NC | 369 | 366 | 393 | 436 | 432 |
| MISCELLANEOUS PARAMETERS (S.U.) | | | | | | |
| PH | NC | 8.88 | 7.89 | 8.26 | 8.35 | 8.47 |

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| LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE | RDC SRS | 063_Z005 | | | | |
|---|------------|---------------------------------|-------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | | 063_Z005_0.5 20121221 0.5 | 063_Z005_5.0 20121221 5 | 063_Z005_10.0 20121221 10 | 063_Z005_15.0 20121221 15 | 063_Z005_20.0 20121221 20 |
| METALS (MG/KG) | | | | | | |
| ANTIMONY | 31 | 0.36 UJ | 1.9 J | 0.66 UJ | 0.4 UJ | 0.44 UJ |
| CHROMIUM* | 120000 | 9.6 | 860 | 245 | 21.8 | 11.6 |
| NICKEL | 1600 | 9.3 | 9.9 | 26.2 | 10 | 9.5 |
| THALLIUM | 5 | 0.17 U | 0.2 U | 0.31 U | 0.19 U | 0.21 U |
| VANADIUM | 78 | 19 J | 20.6 J | 25.8 J | 19.7 J | 16.2 J |
| MISCELLANEOUS PARAMETERS (MG/KG) | | | | | | |
| HEXAVALENT CHROMIUM* | 20 | 0.8 U | 0.95 U | 1.4 U | 0.81 U | 0.85 U |
| MISCELLANEOUS PARAMETERS (MV) | | | | | | |
| OXIDATION REDUCTION POTENTIAL | NC | 379 | 171 | 138 | 349 | 374 |
| MISCELLANEOUS PARAMETERS (S.U.) | | | | | | |
| PH | NC | 8.51 | 10.2 | 8.76 | 8.18 | 7.28 |

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| LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE | RDC SRS | 063_Z009 | | | | |
|---|------------|---------------------------------|-------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | | 063_Z009_0.5 20121221 0.5 | 063_Z009_5.0 20121221 5 | 063_Z009_10.0 20121221 10 | 063_Z009_15.0 20121221 15 | 063_Z009_20.0 20121221 20 |
| METALS (MG/KG) | | | | | | |
| ANTIMONY | 31 | 0.53 UJ | 0.72 J | 0.81 UJ | 0.41 UJ | 0.39 UJ |
| CHROMIUM* | 120000 | 75.1 | 3320 | 142 | 52.1 | 29.5 |
| NICKEL | 1600 | 21.4 | 12.2 | 18.2 | 15.9 | 14.1 |
| THALLIUM | 5 | 0.46 | 0.21 U | 0.38 U | 0.19 U | 0.19 J |
| VANADIUM | 78 | 67.9 J | 27.4 J | 30.3 J | 34.5 J | 32.1 J |
| MISCELLANEOUS PARAMETERS (MG/KG) | | | | | | |
| HEXAVALENT CHROMIUM* | 20 | 1.1 U | 0.86 U | 1.7 U | 0.93 U | 0.83 U |
| MISCELLANEOUS PARAMETERS (MV) | | | | | | |
| OXIDATION REDUCTION POTENTIAL | NC | 433 | 384 | 374 | 343 | 435 |
| MISCELLANEOUS PARAMETERS (S.U.) | | | | | | |
| PH | NC | 8.23 | 8.9 | 8.11 | 8.52 | 7.96 |

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| LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE | RDC SRS | 063_Z011 | | | | | |
|---|------------|--------------------------|--------------------------|----------------------------|---------------------------|---------------------------|---------------------------|
| | | 063_Z011_0.0 20121220 | 063_Z011_5.0 20121220 | 063_Z011_5.0-D 20121220 | 063_Z011_10.5 20121220 | 063_Z011_15.0 20121220 | 063_Z011_20.0 20121220 |
| METALS (MG/KG) | | | | | | | |
| ANTIMONY | 31 | 2.6 | 0.76 | 0.77 | 0.43 U | 0.39 UJ | 0.4 UJ |
| CHROMIUM* | 120000 | 25.3 | 1950 | 1750 | 28.8 | 32 J | 21.4 J |
| NICKEL | 1600 | 24.7 | 11.5 | 11.7 | 9.2 | 12.4 | 14.6 |
| THALLIUM | 5 | 0.32 | 0.2 U | 0.21 U | 0.2 U | 0.18 U | 0.23 |
| VANADIUM | 78 | 41.3 | 27.8 | 27.2 | 19.8 | 25.9 | 28.9 |
| MISCELLANEOUS PARAMETERS (MG/KG) | | | | | | | |
| HEXAVALENT CHROMIUM* | 20 | 0.94 U | 0.99 J | 2.3 | 0.86 U | 0.82 U | 0.82 UJ |
| MISCELLANEOUS PARAMETERS (MV) | | | | | | | |
| OXIDATION REDUCTION POTENTIAL | NC | 369 | 344 | 355 | 314 | 427 | 453 |
| MISCELLANEOUS PARAMETERS (S.U.) | | | | | | | |
| PH | NC | 8.34 | 9.78 | 9.68 | 8.96 | 8.32 | 8.49 |

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|---|------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|-------------------------------------|-----------------------------------|---------------------------------|
| | | 063_Z013_1.5 20121219 1.5 | 063_Z013_5.5 20121219 5.5 | 063_Z013_10.0 20121219 10 | 063_Z013_15.0 20121219 15 | 063_Z013_15.0-AVG 20121219 15 | 063_Z013_15.0-D 20121219 15 | 063_Z013_20.0 20121219 20 |
| METALS (MG/KG) | | | | | | | | |
| ANTIMONY | 31 | 1.6 J | 0.43 UJ | 2 J | 1.4 UJ | 1.4 U | 1.4 UJ | 0.41 UJ |
| CHROMIUM* | 120000 | 93 J | 8.1 J | 31.6 J | 48.9 J | 33.6 | 18.3 J | 18.2 J |
| NICKEL | 1600 | 26.5 | 6.4 | 14.8 | 20.4 | 21.05 | 21.7 | 10.2 |
| THALLIUM | 5 | 0.44 | 0.2 U | 0.27 U | 0.64 U | 0.64 U | 0.64 U | 0.2 U |
| VANADIUM | 78 | 69.7 | 8.7 | 19.5 | 24.2 | 23.45 | 22.7 | 19.9 |
| MISCELLANEOUS PARAMETERS (MG/KG) | | | | | | | | |
| HEXAVALENT CHROMIUM* | 20 | 1 U | 0.89 U | 1.1 U | 3 U | 2.85 U | 2.7 U | 0.85 U |
| MISCELLANEOUS PARAMETERS (MV) | | | | | | | | |
| OXIDATION REDUCTION POTENTIAL | NC | 467 | 431 | 424 | 293 | 282 | 271 | 398 |
| MISCELLANEOUS PARAMETERS (S.U.) | | | | | | | | |
| PH | NC | 8.11 | 8.42 | 7.97 | 7.96 | 7.94 | 7.92 | 8.92 |

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