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June 7, 2018

Mr. Robert Kondreck
Region 5 On-Scene Coordinator
United States Environmental Protection Agency
77 W. Jackson Blvd., SE-5J
Chicago, IL 60604

RE: Milwaukee Die Casting Company – Final Report
Administrative Settlement Agreement and Order on Consent for Removal Action
Docket No V-W-13-C-007

Dear Mr. Kondreck:

On behalf of the Respondents to the Administrative Settlement Agreement and Order on Consent for Removal Action, Docket No. V-W-13-C-007 (Settlement Agreement), enclosed please find the Final Report for the Milwaukee Die Casting Company Removal Action (Final Report). The Final Report is being submitted to the United States Environmental Protection Agency (USEPA) for review and approval pursuant to Paragraph 22 of the Settlement Agreement. In an email to the Project Coordinator for the Respondents dated April 5, 2018, Ms. Kathy Halbur, the previous On-Scene Coordinator, stated that April 6, 2018 would be considered the completion date for the Work to be Performed under the Settlement Agreement. As we discussed, the Final Report text, tables and figures are being submitted on paper; the full report, including appendices, are being submitted electronically on an USB flash drive with the enclosed report.

The Respondents submitted a draft version of the Final Report to Ms. Halbur on November 1, 2017. Ms. Halbur and Mr. Stephen Mueller of the Wisconsin Department of Natural Resources (WDNR) provided verbal comments during a meeting with me on February 1, 2018. Ms. Halbur provided USEPA and WDNR comments to me in written form in an e-mail on April 3, 2018.

The Respondents believe that the attached Final Report addresses all prior USEPA and WDNR comments, with the following exceptions:

- USEPA Comment: *Section 3.8.2 (and throughout) – check references to EQ (should be US Ecology?)*
    - Response: Waste material was transported to, and managed by, EQ during the removal action. US Ecology purchased EQ after the Milwaukee Die Casting Company removal action was complete. The waste profiles, manifests, and other related documents associated with the Milwaukee Die Casting Company site refer to EQ; therefore, the change was not made to maintain internal consistency

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+1 973.340.9818 (fax)

within the document and appendices.

- USEPA Comment: *What did Veolia, Menomonee Falls do with mercury, hydraulic oil, and tires (ultimate disposal facility)?*

    - Response: The Veolia facility in Menomonee Falls, Wisconsin, is a transfer facility licensed to accept waste transported to the facility. Veolia placed the mercury and hydraulic oil with similar materials and managed the waste in accordance with their license. Veolia did not supply information on the final destination of the waste. I discussed this issue with Ms. Halbur, and she said this is consistent with the USEPA experience sending material to Veolia transfer facilities. Therefore, Ms. Halbur said it was acceptable to not revise the report to address this comment. The tire disposal facility is identified in the Final Report.

We trust that you will find the foregoing satisfactory. Pursuant to Paragraph 73 of the Settlement Agreement, the Respondents respectfully request the timely issuance of written notice that all Work has been fully performed in accordance with the Settlement Agreement. Should you have any questions, please do not hesitate to contact me directly.

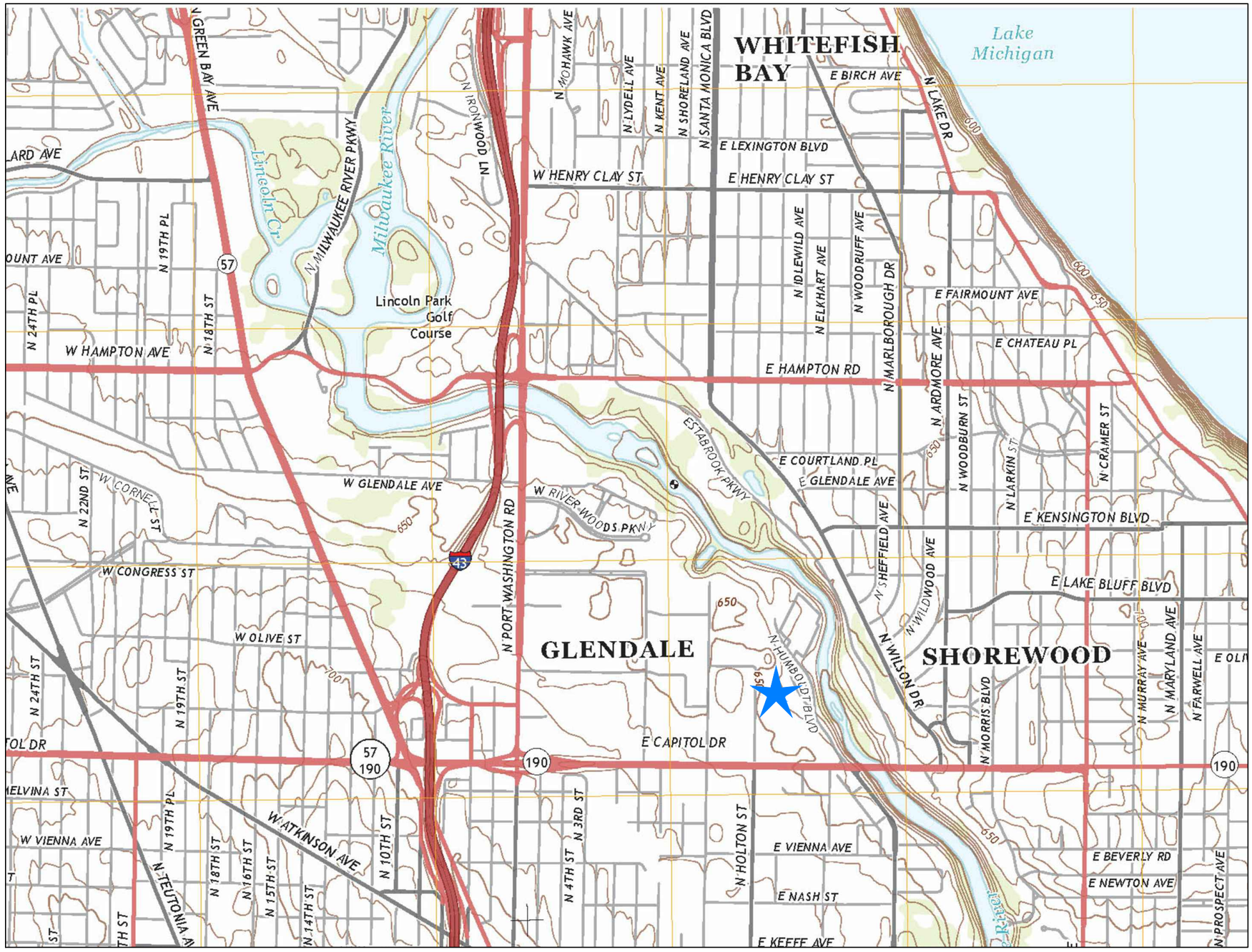
Regards,

Jeffrey G. Tracy, PG (WI)
Project Coordinator for the Respondents

Enclosure

cc: (electronically, via USB flash drive)
Mr. Christopher Clark, Pharmacia LLC
Ms. Sheila Harvey, Fischer Controls, c/o Pillsbury Winthrop Shaw Pittman LLP
Mr. David Misky, Redevelopment Authority of the City of Milwaukee
Mr. Stephen Mueller, Wisconsin Department of Natural Resources

# FIGURES




REFERENCE: USGS MILWAUKEE, WI - 2013
SCALE: 1" = 1500' (APPROXIMATE)

N

LEGEND

★ SITE LOCATION

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | SITE LOCATION MAP |

| | | | |
|---|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 1 | DRAWING NO.: 1 OF 11 |
| DATE: April 27, 2018 | FILE NO.1804MDCC810a | |


SOURCE: GOOGLE MAP DATA, APRIL 2014
SCALE: 1" = 100' (APPROXIMATE)

PRE-BUILDING DEMOLITION


SOURCE: GOOGLE MAP DATA, JULY 2014
SCALE: 1" = 100' (APPROXIMATE)

POST-BUILDING DEMOLITION/
START OF TUNNEL SYSTEM DECOMMISSIONING


SOURCE: GOOGLE MAP DATA, JUNE 2015
SCALE: 1" = 100' (APPROXIMATE)

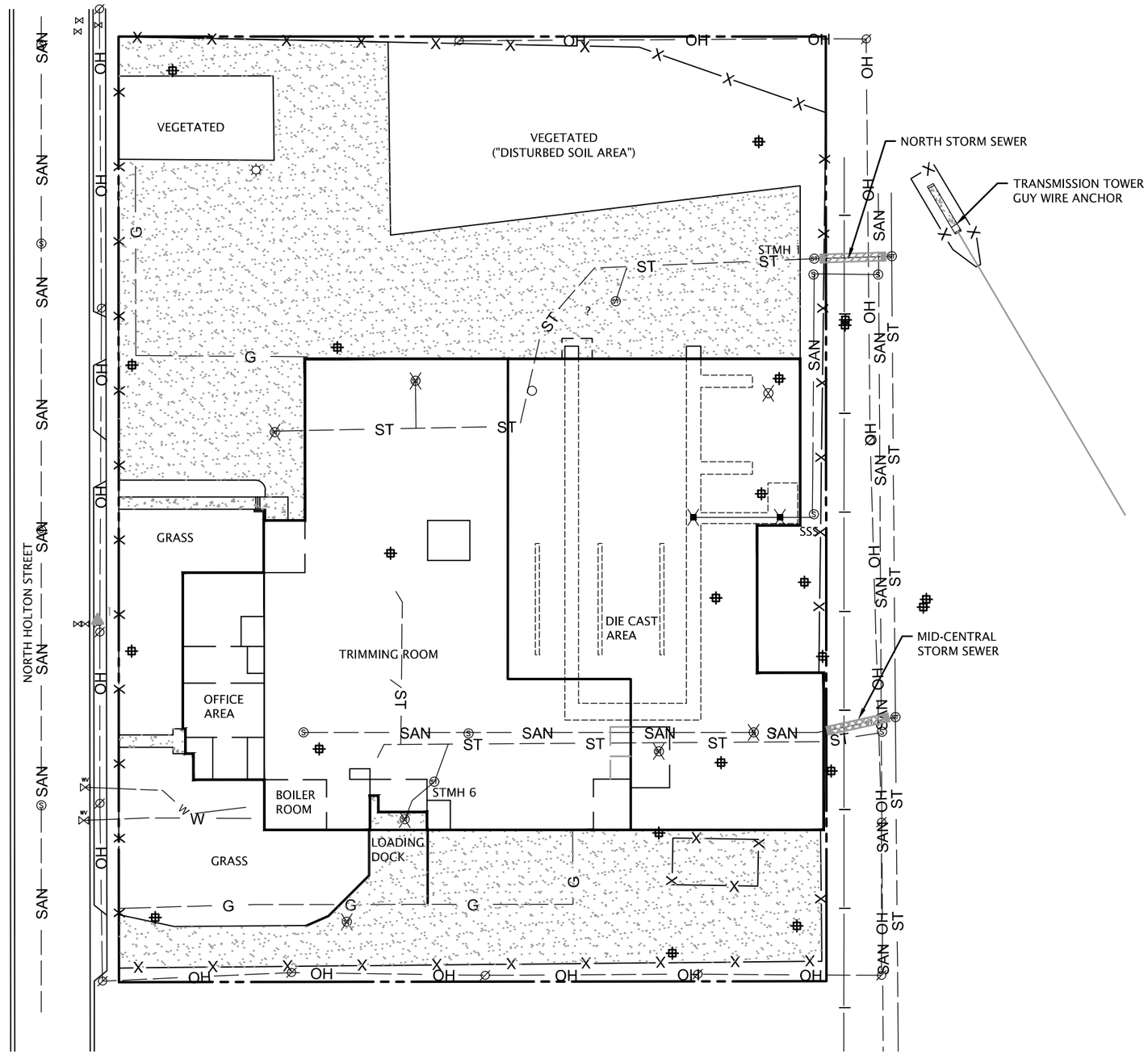
IMPACTED SOIL REMOVAL

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | AERIAL PHOTOGRAPHS |

| | | |
|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 2 | DRAWING NO.: 2 OF 11 |
| DATE: April 27, 2018 | FILE NO.:1804MDCC810a | |




EXISTING LEGEND

- PROPERTY LINE
- FENCE
- EDGE OF PAVEMENT
- FORMER RAILROAD TRACK
- SANITARY SEWER
- STORM SEWER
- WATER
- OVERHEAD LINE
- GAS
- BUILDING
- TUNNEL SYSTEM
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- MONITORING WELL LOCATION
- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER MANHOLE FILLED WITH DEBRIS
- INTERIOR SUMP
- INTERIOR SUMP FILLED WITH DEBRIS
- TUNNEL DRAIN - PLUGGED
- POWER POLE
- UTILITY VALVES
- HYDRANT
- PROJECT BENCHMARK - TOP OF NORTHWESTERLY FLANGE BOLT ON HYDRANT. ELEVATION = 652.82 (USGS DATUM)

SCALE IN FEET

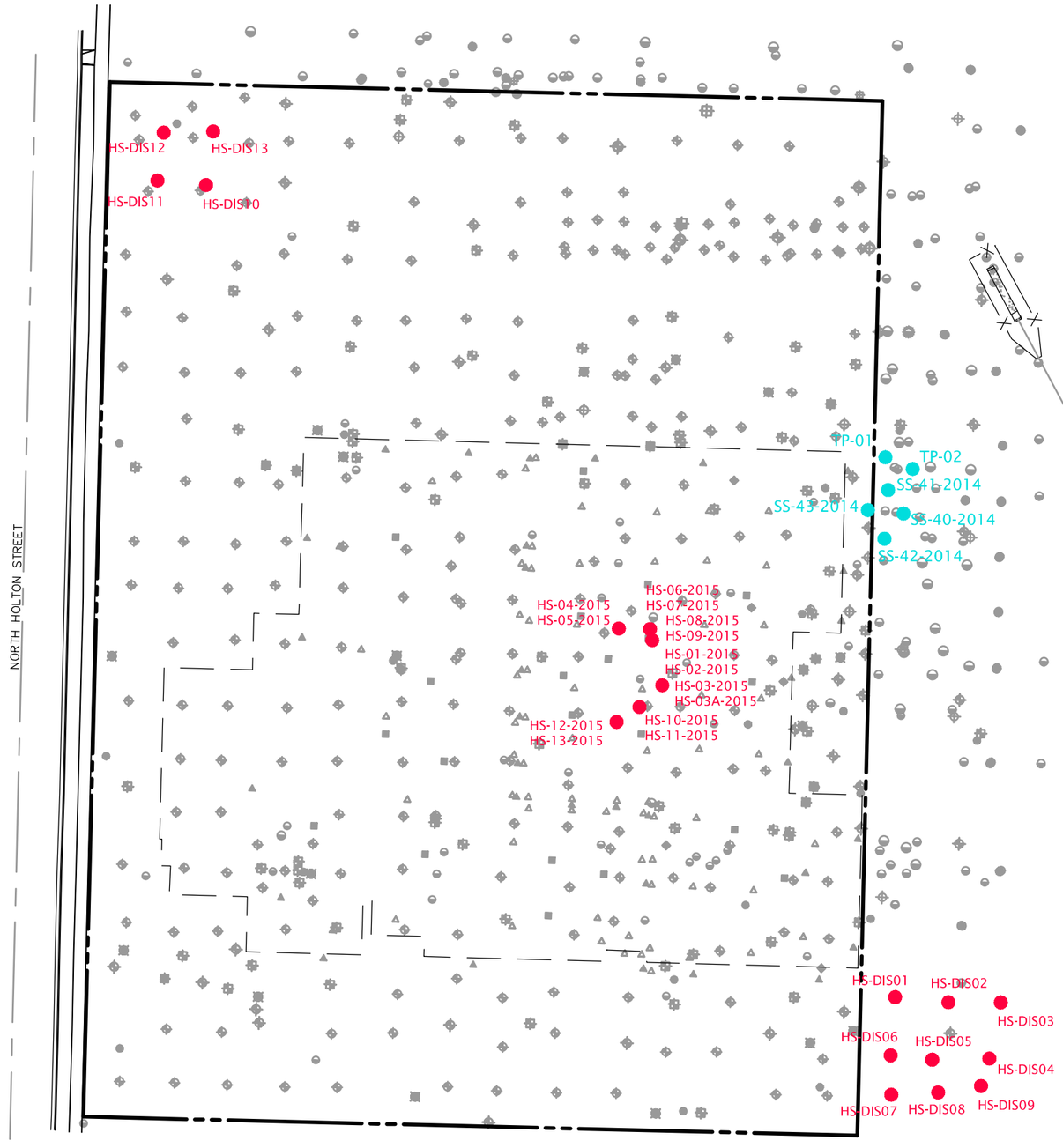
0 60'

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | PRE-REMOVAL ACTION SITE CONDITIONS MAP |

| | | | |
|---|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 3 | DRAWING NO.: 3 OF 11 | |
| DATE: April 27, 2018 | FILE NO.1804MDCC810a | | |




LEGEND

- APPROXIMATE PROPERTY LINE
- FORMER BUILDING FOOTPRINT
- SUPPLEMENTAL SOIL SAMPLE LOCATION (PCBs)
- SUPPLEMENTAL SOIL SAMPLE LOCATION (CVOCs)
- PREVIOUS SAMPLE LOCATIONS

NOTES:

1. CVOC - CHLORINATED VOLATILE ORGANIC COMPOUND
2. PCB - POLYCHLORINATED BIPHENYL
3. SUPPLEMENTAL SOIL SAMPLE LOCATIONS NOT PREVIOUSLY REPORTED.
4. IDENTIFICATION NUMBERS FOR PREVIOUS SAMPLE LOCATIONS ARE DOCUMENTED IN PREVIOUS REPORTS.

SOURCE:

MAP PROVIDED BY ARCADIS, FEBRUARY 2014, SUPPLEMENTED BY FIELD SURVEYS PERFORMED BY TERRATEC ENGINEERING FROM APRIL 2014 TO SEPTEMBER 2015.

SCALE IN FEET

0 60'

N

Geosyntec consultants

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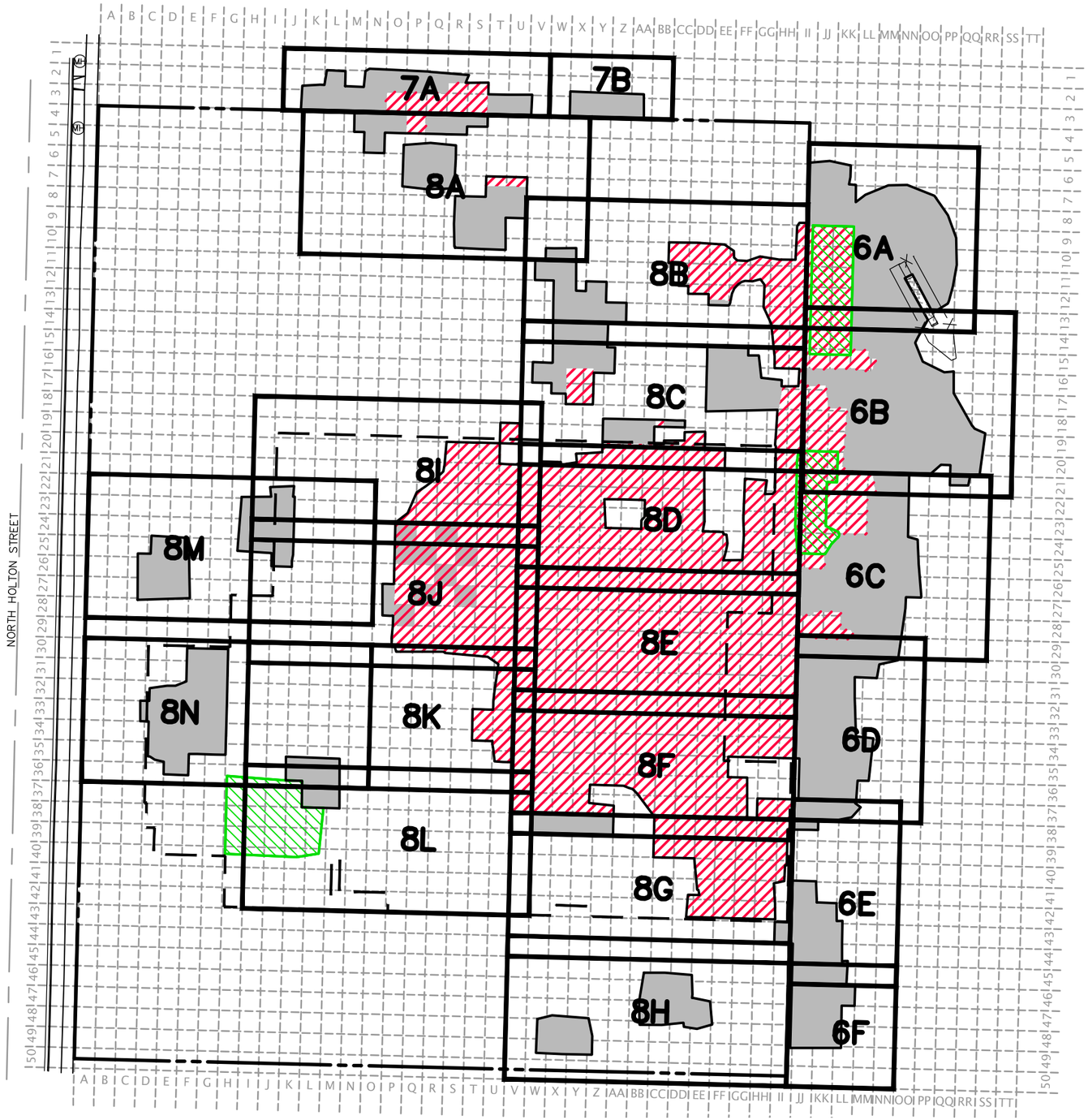
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | SUPPLEMENTAL SOIL CHARACTERIZATION MAP |

| | | |
|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 4 | DRAWING NO.: 4 OF 11 |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | |




LEGEND

- APPROXIMATE PROPERTY LINE
- FORMER BUILDING FOOTPRINT
- 8A — SHEET INDEX IDENTIFICATION
- SOIL REMOVAL AREA EXTENT
- PCB-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL)
- CVOC-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL)
- PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA); SEE FIGURE 11
- VERIFICATION SAMPLE GRID
- TRANSMISSION TOWER GUY WIRE ANCHOR AREA VERIFICATION SAMPLE GRID

NOTES:

1. CVOC - CHLORINATED VOLATILE ORGANIC COMPOUND
2. PCB - POLYCHLORINATED BIPHENYL

SCALE IN FEET

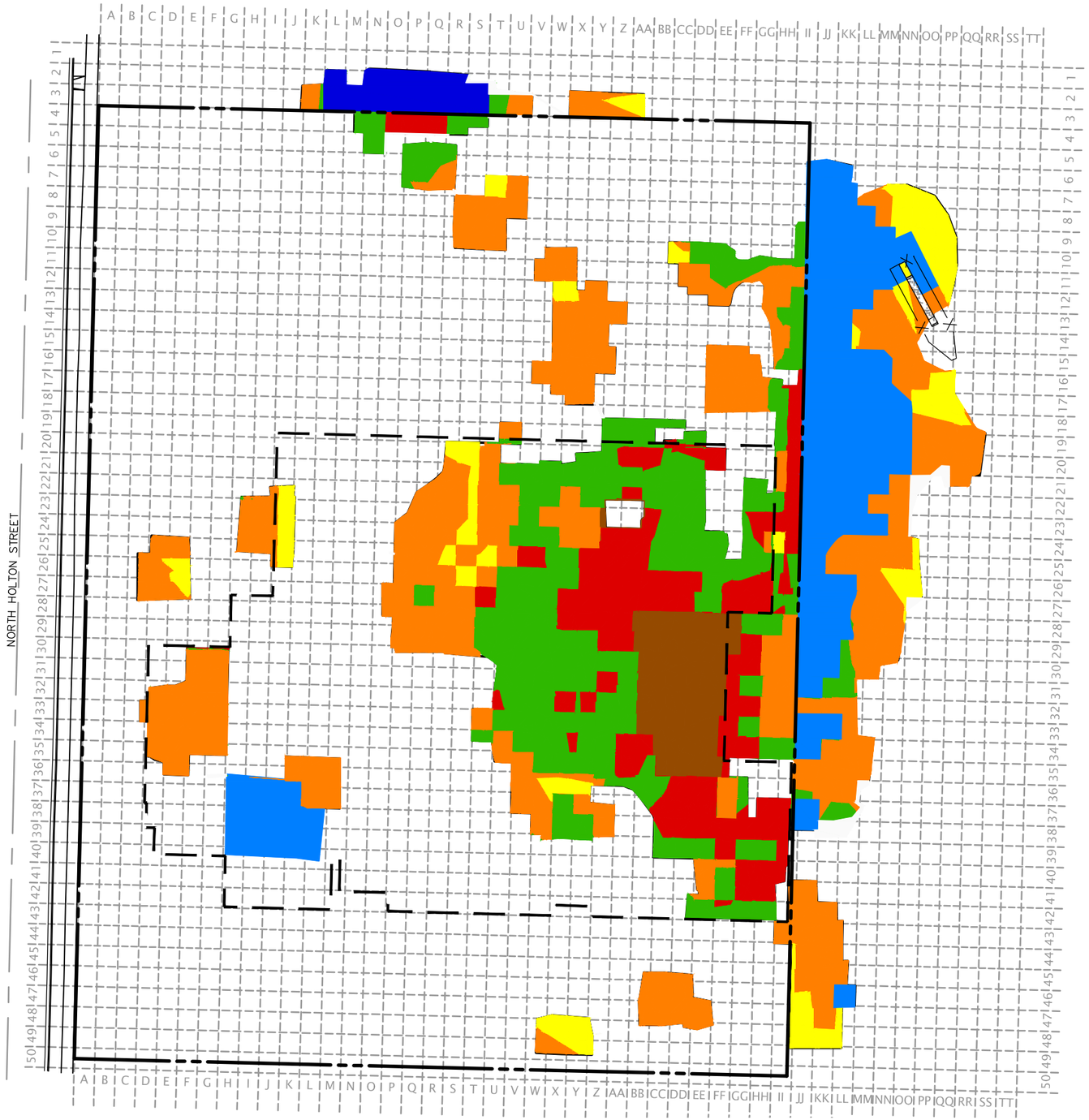
0 60'

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | SOIL REMOVAL EXTENT SUMMARY MAP |

| | | | |
|---|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 5A | DRAWING NO.: 5A OF 11 | |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | | |




LEGEND

- APPROXIMATE PROPERTY LINE
- FORMER BUILDING FOOTPRINT
- SOIL REMOVAL AREA EXTENT
- VERIFICATION SAMPLE GRID

SOIL REMOVAL DEPTH

- 4 FT (DEPTH TO GROUNDWATER)
- 6 FT (DEPTH TO GROUNDWATER)
- ≤ 2 FT
- > 2 FT ≤ 5 FT
- > 5 FT ≤ 10 FT
- > 10 FT ≤ 15 FT
- > 15 FT ≤ 20 FT

NOTES:

1. SOIL REMOVAL DEPTH IS REPRESENTATIVE OF A MODELED DEPTH BASED ON POST-BUILDING DEMOLITION GROUND SURFACE ELEVATION DATA AND PASSING POST-EXCAVATION VERIFICATION BASE SAMPLE ELEVATION DATA.
2. DEPTH TO GROUNDWATER DOCUMENTED IN USEPA-APPROVED SEPTEMBER 30, 2014 SOIL REMOVAL AND GRADING PLAN.

SCALE IN FEET

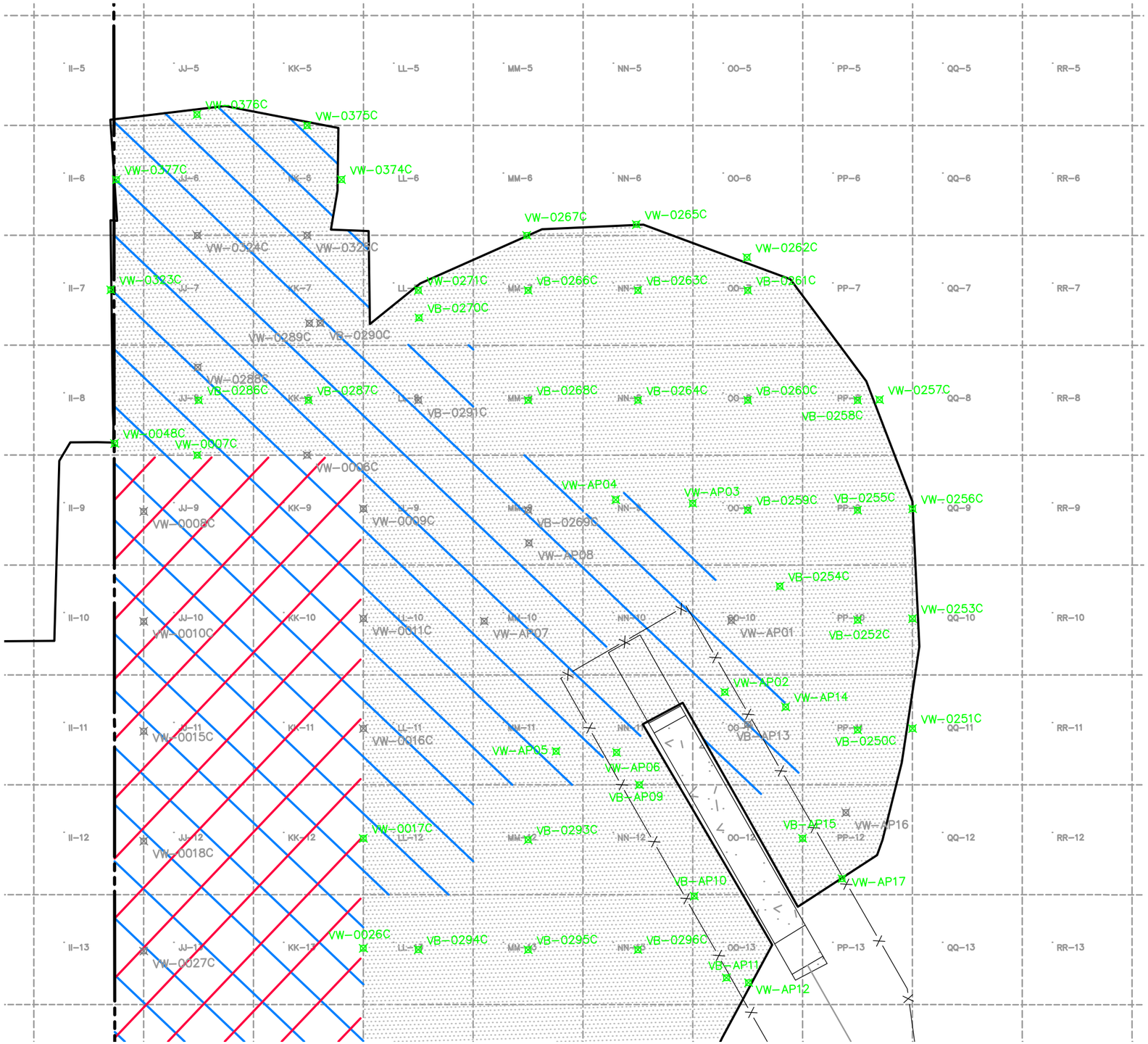
0 60’

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | SOIL REMOVAL DEPTH SUMMARY MAP |

| | | | |
|---|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 5B | DRAWING NO.: 5B OF 11 | |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | | |




LEGEND

- APPROXIMATE PROPERTY LINE
- TRANSMISSION TOWER GUY WIRE ANCHOR AREA FENCE
- SOIL REMOVAL EXTENT
- UNSATURATED PCB-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL AS TSCA-REGULATED WASTE)
- UNSATURATED PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- EXCAVATED TO DEPTH OF GROUNDWATER (SEE NOTE 1)
- VERIFICATION SAMPLE GRID
- TRANSMISSION TOWER GUY WIRE ANCHOR AREA VERIFICATION SAMPLE GRID (SEE NOTE 2)
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR OFF-SITE UNSATURATED SOIL REMOVAL EXCAVATION GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION BASE SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE OFF-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO THE DEPTH OF GROUNDWATER DOCUMENTED IN THE USEPA-APPROVED 30 SEPTEMBER 2014 SOIL REMOVAL AND GRADING PLAN (4 FEET FOR OFF-SITE EAST AREA AND 6 FEET FOR OFF-SITE NORTH AREA), NO ADDITIONAL VERIFICATION BASE SAMPLES WERE COLLECTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO A DEPTH ABOVE THE DEPTH OF GROUNDWATER, AN ADDITIONAL VERIFICATION BASE SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. AS NOTED IN SECTION 6 OF THE TEXT, SPECIAL PROVISIONS WERE REQUIRED TO COMPLETE PCB-IMPACTED SOIL REMOVAL IN THE VICINITY OF THE TRANSMISSION TOWER GUY WIRE ANCHOR AREA.
3. PCB - POLYCHLORINATED BIPHENYL
4. TSCA - TOXIC SUBSTANCES CONTROL ACT

SCALE IN FEET

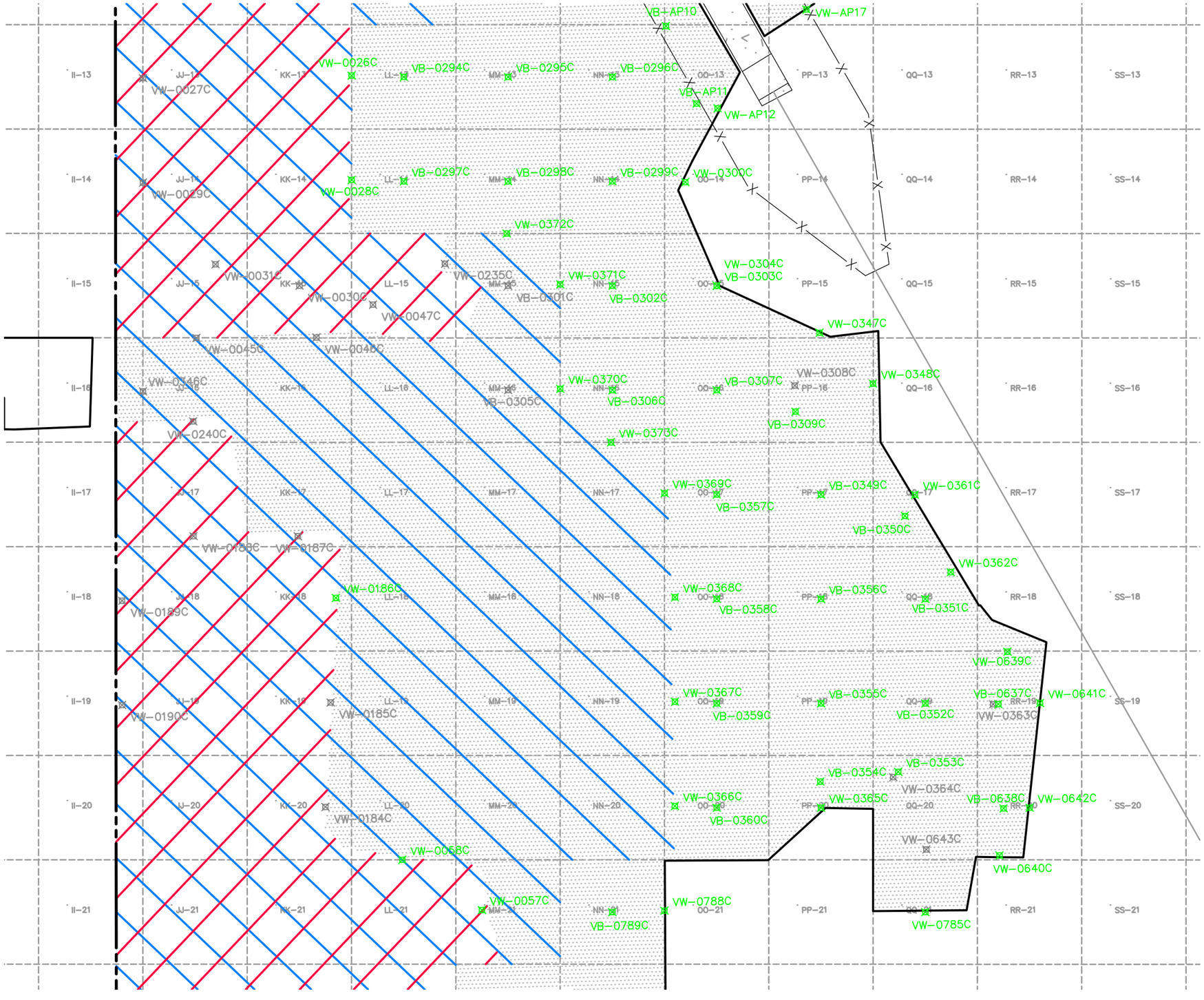
0 10’

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | OFF-SITE UNSATURATED PCB-IMPACTED SOIL REMOVAL MAP - EAST AREA (1) |

| | | |
|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 6A | DRAWING NO.: 6A OF 11 |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | |




LEGEND

- APPROXIMATE PROPERTY LINE
- TRANSMISSION TOWER GUY WIRE ANCHOR AREA FENCE
- SOIL REMOVAL EXTENT
- UNSATURATED PCB-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL AS TSCA-REGULATED WASTE)
- UNSATURATED PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- EXCAVATED TO DEPTH OF GROUNDWATER (SEE NOTE 1)
- VERIFICATION SAMPLE GRID
- TRANSMISSION TOWER GUY WIRE ANCHOR AREA VERIFICATION SAMPLE GRID (SEE NOTE 2)
- A-1 SAMPLING GRID ID
- VW-0001 PASSING VERIFICATION SAMPLE LOCATION
- VW-0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR OFF-SITE UNSATURATED SOIL REMOVAL EXCAVATION GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION BASE SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE OFF-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO THE DEPTH OF GROUNDWATER DOCUMENTED IN THE USEPA-APPROVED 30 SEPTEMBER 2014 SOIL REMOVAL AND GRADING PLAN (4 FEET FOR OFF-SITE EAST AREA AND 6 FEET FOR OFF-SITE NORTH AREA), NO ADDITIONAL VERIFICATION BASE SAMPLES WERE COLLECTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO A DEPTH ABOVE THE DEPTH OF GROUNDWATER, AN ADDITIONAL VERIFICATION BASE SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. AS NOTED IN SECTION 6 OF THE TEXT, SPECIAL PROVISIONS WERE REQUIRED TO COMPLETE PCB-IMPACTED SOIL REMOVAL IN THE VICINITY OF THE TRANSMISSION TOWER GUY WIRE ANCHOR AREA.
3. PCB - POLYCHLORINATED BIPHENYL
4. TSCA - TOXIC SUBSTANCES CONTROL ACT

SCALE IN FEET

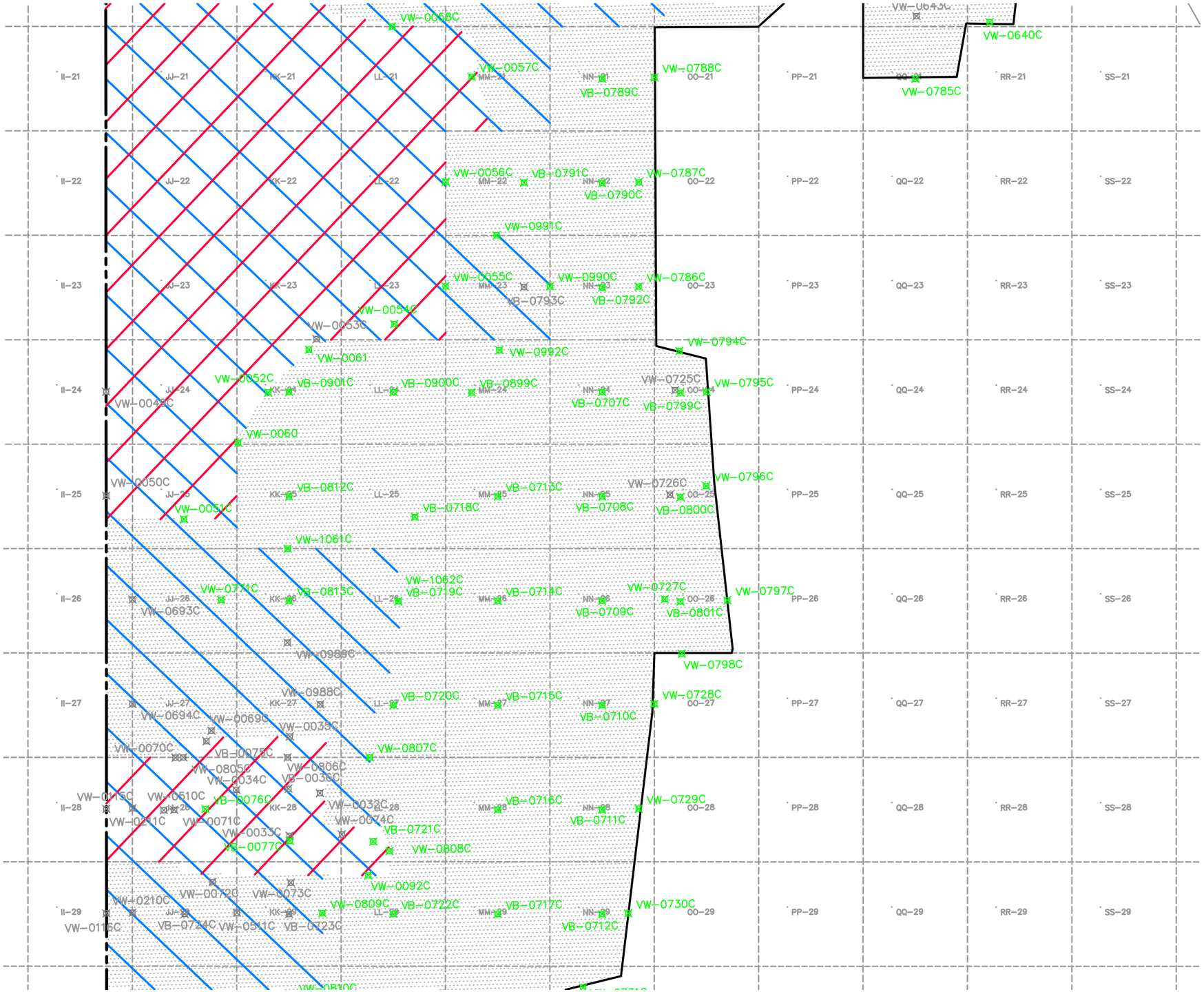
0 10'

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | OFF-SITE UNSATURATED PCB-IMPACTED SOIL REMOVAL MAP - EAST AREA (2) |

| | | |
|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 6B | DRAWING NO.: 6B OF 11 |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | |




LEGEND

- APPROXIMATE PROPERTY LINE
- SOIL REMOVAL EXTENT
- UNSATURATED PCB-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL AS TSCA-REGULATED WASTE)
- UNSATURATED PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- EXCAVATED TO DEPTH OF GROUNDWATER (SEE NOTE 1)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR OFF-SITE UNSATURATED SOIL REMOVAL EXCAVATION GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION BASE SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE OFF-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO THE DEPTH OF GROUNDWATER DOCUMENTED IN THE USEPA-APPROVED 30 SEPTEMBER 2014 SOIL REMOVAL AND GRADING PLAN (4 FEET FOR OFF-SITE EAST AREA AND 6 FEET FOR OFF-SITE NORTH AREA), NO ADDITIONAL VERIFICATION BASE SAMPLES WERE COLLECTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO A DEPTH ABOVE THE DEPTH OF GROUNDWATER, AN ADDITIONAL VERIFICATION BASE SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. PCB - POLYCHLORINATED BIPHENYL
3. TSCA - TOXIC SUBSTANCES CONTROL ACT

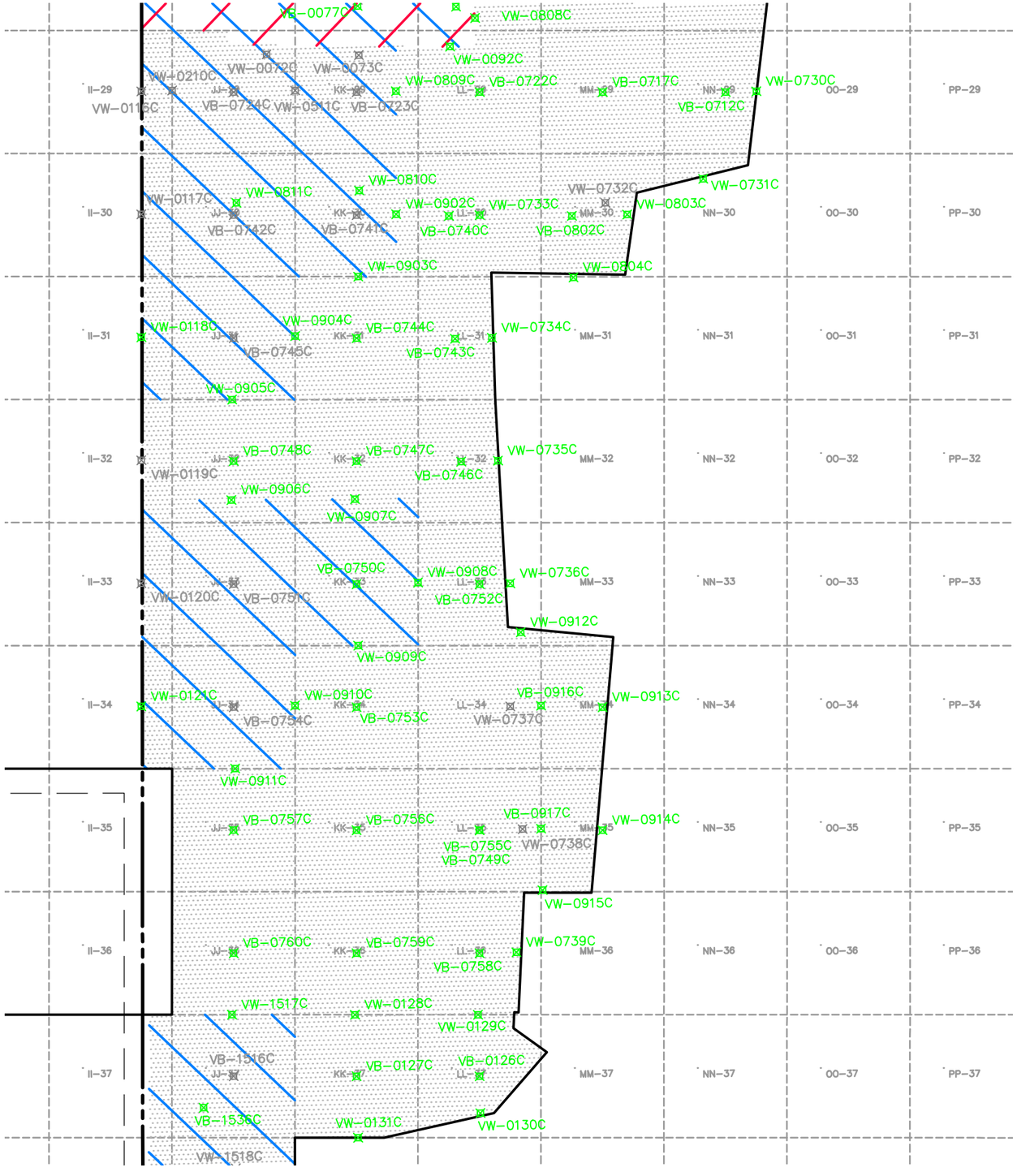
SCALE IN FEET

0 10’

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | OFF-SITE UNSATURATED PCB-IMPACTED SOIL REMOVAL MAP - EAST AREA (3) |
| PROJECT: CHW8271 | FIGURE NO.: 6C |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 |
| DRAWING NO.: | 6C OF 11 |




LEGEND

- APPROXIMATE PROPERTY LINE
- FORMER BUILDING FOOTPRINT
- SOIL REMOVAL EXTENT
- UNSATURATED PCB-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL AS TSCA-REGULATED WASTE)
- UNSATURATED PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- EXCAVATED TO DEPTH OF GROUNDWATER (SEE NOTE 1)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR OFF-SITE UNSATURATED SOIL REMOVAL EXCAVATION GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION BASE SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE OFF-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO THE DEPTH OF GROUNDWATER DOCUMENTED IN THE USEPA-APPROVED 30 SEPTEMBER 2014 SOIL REMOVAL AND GRADING PLAN (4 FEET FOR OFF-SITE EAST AREA AND 6 FEET FOR OFF-SITE NORTH AREA), NO ADDITIONAL VERIFICATION BASE SAMPLES WERE COLLECTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO A DEPTH ABOVE THE DEPTH OF GROUNDWATER, AN ADDITIONAL VERIFICATION BASE SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. PCB - POLYCHLORINATED BIPHENYL
3. TSCA - TOXIC SUBSTANCES CONTROL ACT

SCALE IN FEET

0 10’

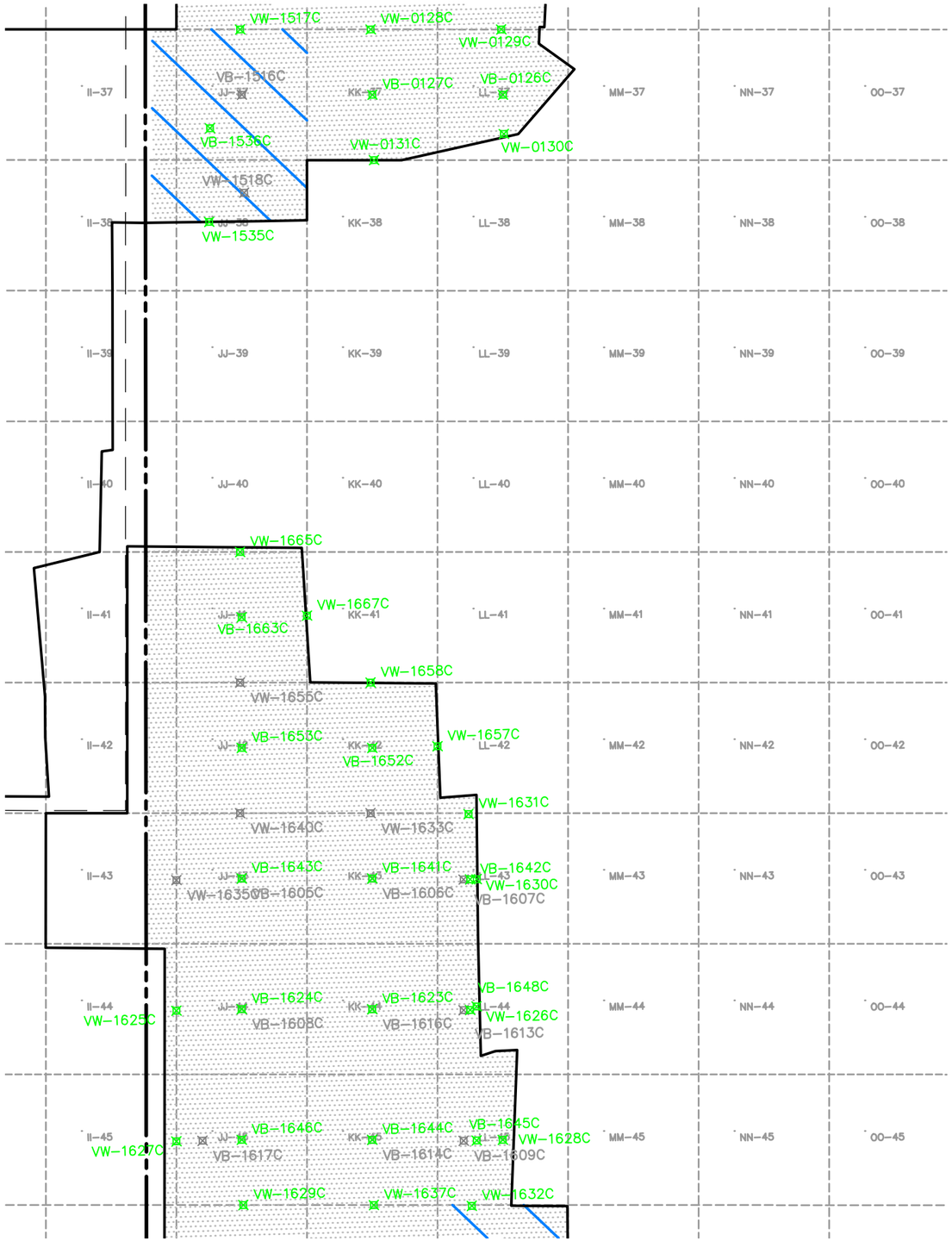
N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | OFF-SITE UNSATURATED PCB-IMPACTED SOIL REMOVAL MAP - EAST AREA (4) |

| | | | |
|---|---|---|---|
| PROJECT: | CHW8271 | FIGURE NO.: | 6D |
| DATE: | April 27, 2018 | FILE NO.: | 1804MDCC810 |

DRAWING NO.: 6D OF 11




LEGEND

- APPROXIMATE PROPERTY LINE
- FORMER BUILDING FOOTPRINT
- SOIL REMOVAL EXTENT
- UNSATURATED PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- EXCAVATED TO DEPTH OF GROUNDWATER (SEE NOTE 1)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR OFF-SITE UNSATURATED SOIL REMOVAL EXCAVATION GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION BASE SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE OFF-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO THE DEPTH OF GROUNDWATER DOCUMENTED IN THE USEPA-APPROVED 30 SEPTEMBER 2014 SOIL REMOVAL AND GRADING PLAN (4 FEET FOR OFF-SITE EAST AREA AND 6 FEET FOR OFF-SITE NORTH AREA), NO ADDITIONAL VERIFICATION BASE SAMPLES WERE COLLECTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO A DEPTH ABOVE THE DEPTH OF GROUNDWATER, AN ADDITIONAL VERIFICATION BASE SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. PCB - POLYCHLORINATED BIPHENYL

SCALE IN FEET

0 10’

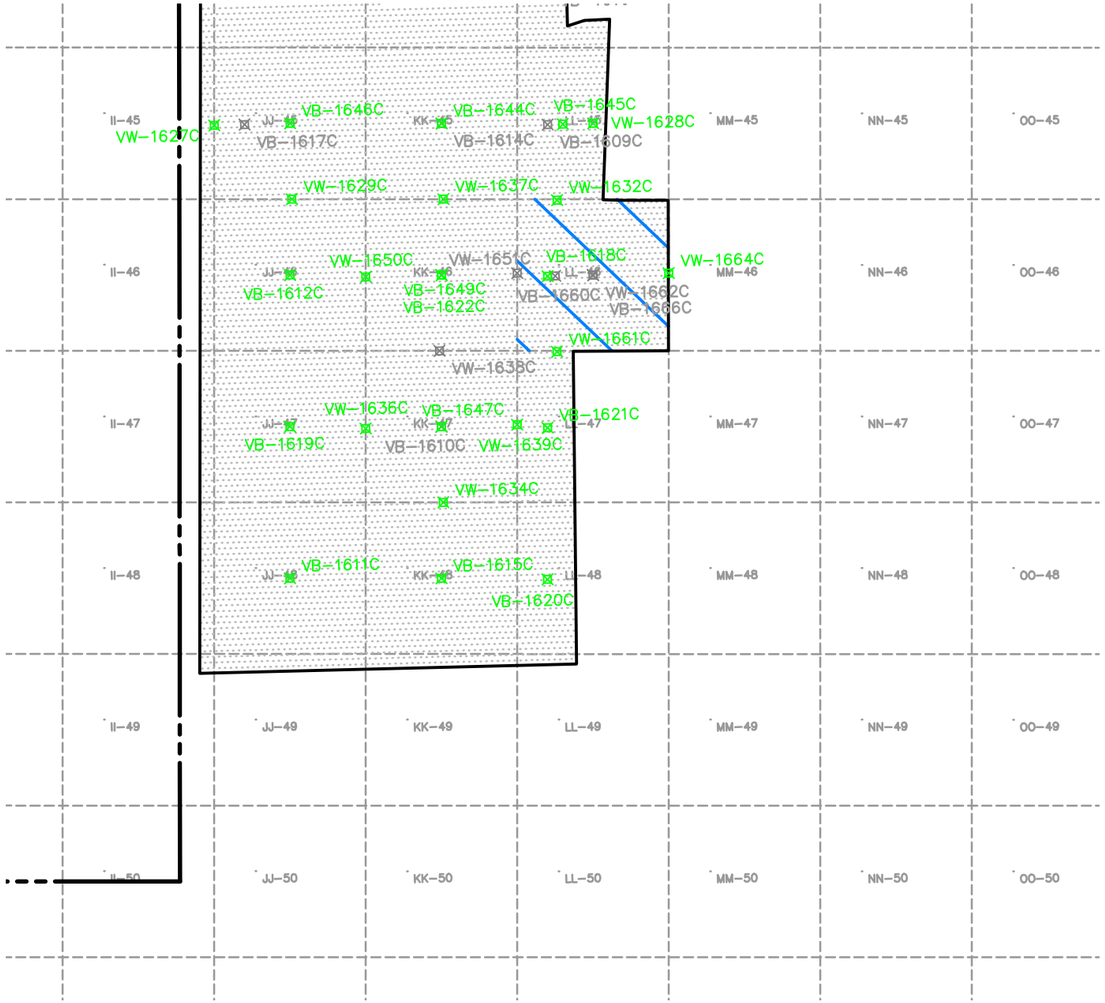
N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | OFF-SITE UNSATURATED PCB-IMPACTED SOIL REMOVAL MAP - EAST AREA (5) |

| | | | |
|---|---|---|---|
| PROJECT: | CHW8271 | FIGURE NO.: | 6E |
| DATE: | April 27, 2018 | FILE NO.: | 1804MDCC810 |

DRAWING NO.: 6E OF 11




LEGEND

- APPROXIMATE PROPERTY LINE
- SOIL REMOVAL EXTENT
- UNSATURATED PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- EXCAVATED TO DEPTH OF GROUNDWATER (SEE NOTE 1)
- VERIFICATION SAMPLE GRID
- A–1 — SAMPLING GRID ID
- VW–0001 — PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 — NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR OFF-SITE UNSATURATED SOIL REMOVAL EXCAVATION GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION BASE SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE OFF-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO THE DEPTH OF GROUNDWATER DOCUMENTED IN THE USEPA-APPROVED 30 SEPTEMBER 2014 SOIL REMOVAL AND GRADING PLAN (4 FEET FOR OFF-SITE EAST AREA AND 6 FEET FOR OFF-SITE NORTH AREA), NO ADDITIONAL VERIFICATION BASE SAMPLES WERE COLLECTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO A DEPTH ABOVE THE DEPTH OF GROUNDWATER, AN ADDITIONAL VERIFICATION BASE SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. PCB - POLYCHLORINATED BIPHENYL

SCALE IN FEET

0 10’

N

Geosyntec consultants

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|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | OFF-SITE UNSATURATED PCB-IMPACTED SOIL REMOVAL MAP - EAST AREA (6) |

| | | |
|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 6F | DRAWING NO.: 6F OF 11 |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | |


LEGEND

- APPROXIMATE PROPERTY LINE
- TRANSMISSION TOWER GUY WIRE ANCHOR AREA FENCE
- SOIL REMOVAL EXTENT
- UNSATURATED CVOC-IMPACTED SOIL REMOVAL AREA
- EXCAVATED TO DEPTH OF GROUNDWATER (SEE NOTE 1)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR OFF-SITE UNSATURATED SOIL REMOVAL EXCAVATION GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION BASE SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE OFF-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO THE DEPTH OF GROUNDWATER DOCUMENTED IN THE USEPA-APPROVED 30 SEPTEMBER 2014 SOIL REMOVAL AND GRADING PLAN (4 FEET FOR OFF-SITE EAST AREA AND 6 FEET FOR OFF-SITE NORTH AREA), NO ADDITIONAL VERIFICATION BASE SAMPLES WERE COLLECTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO A DEPTH ABOVE THE DEPTH OF GROUNDWATER, AN ADDITIONAL VERIFICATION BASE SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. CVOC - CHLORINATED VOLATILE ORGANIC COMPOUND

SCALE IN FEET

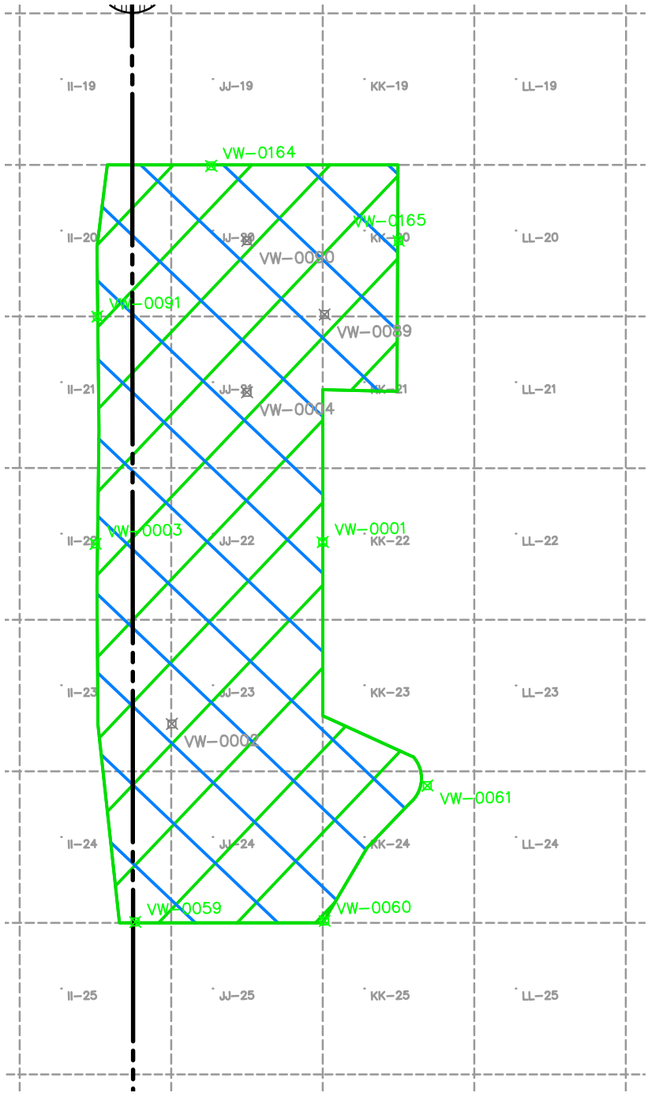
0 10’

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | OFF-SITE UNSATURATED CVOC-IMPACTED SOIL REMOVAL MAP - EAST AREA (1) |

| | | | |
|---|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 6G | DRAWING NO.: 6G OF 11 |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | |




LEGEND

- APPROXIMATE PROPERTY LINE
- SOIL REMOVAL EXTENT
- UNSATURATED CVOC-IMPACTED SOIL REMOVAL AREA
- EXCAVATED TO DEPTH OF GROUNDWATER (SEE NOTE 1)
- VERIFICATION SAMPLE GRID
- A–1 — SAMPLING GRID ID
- VW–0001 — PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 — NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR OFF-SITE UNSATURATED SOIL REMOVAL EXCAVATION GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION BASE SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE OFF-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO THE DEPTH OF GROUNDWATER DOCUMENTED IN THE USEPA-APPROVED 30 SEPTEMBER 2014 SOIL REMOVAL AND GRADING PLAN (4 FEET FOR OFF-SITE EAST AREA AND 6 FEET FOR OFF-SITE NORTH AREA), NO ADDITIONAL VERIFICATION BASE SAMPLES WERE COLLECTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO A DEPTH ABOVE THE DEPTH OF GROUNDWATER, AN ADDITIONAL VERIFICATION BASE SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. CVOC - CHLORINATED VOLATILE ORGANIC COMPOUND

SCALE IN FEET

0 10’

N

Geosyntec consultants

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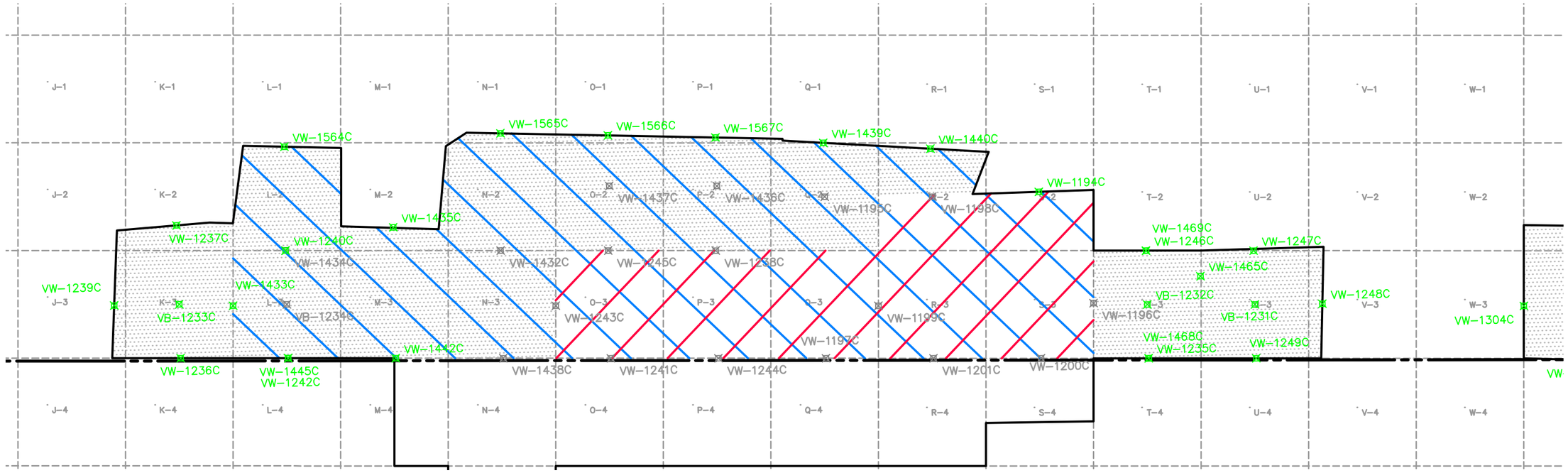
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | OFF-SITE UNSATURATED CVOC-IMPACTED SOIL REMOVAL MAP - EAST AREA (2) |

| | | |
|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 6H | DRAWING NO.: 6H OF 11 |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | |




LEGEND

- APPROXIMATE PROPERTY LINE
- SOIL REMOVAL EXTENT
- UNSATURATED PCB-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL AS TSCA-REGULATED WASTE)
- UNSATURATED PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- EXCAVATED TO DEPTH OF GROUNDWATER (SEE NOTE 1)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR OFF-SITE UNSATURATED SOIL REMOVAL EXCAVATION GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION BASE SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE OFF-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO THE DEPTH OF GROUNDWATER DOCUMENTED IN THE USEPA-APPROVED 30 SEPTEMBER 2014 SOIL REMOVAL AND GRADING PLAN (4 FEET FOR OFF-SITE EAST AREA AND 6 FEET FOR OFF-SITE NORTH AREA), NO ADDITIONAL VERIFICATION BASE SAMPLES WERE COLLECTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO A DEPTH ABOVE THE DEPTH OF GROUNDWATER, AN ADDITIONAL VERIFICATION BASE SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. PCB - POLYCHLORINATED BIPHENYL
3. TSCA - TOXIC SUBSTANCES CONTROL ACT

SCALE IN FEET

0 10’

N

Geosyntec consultants

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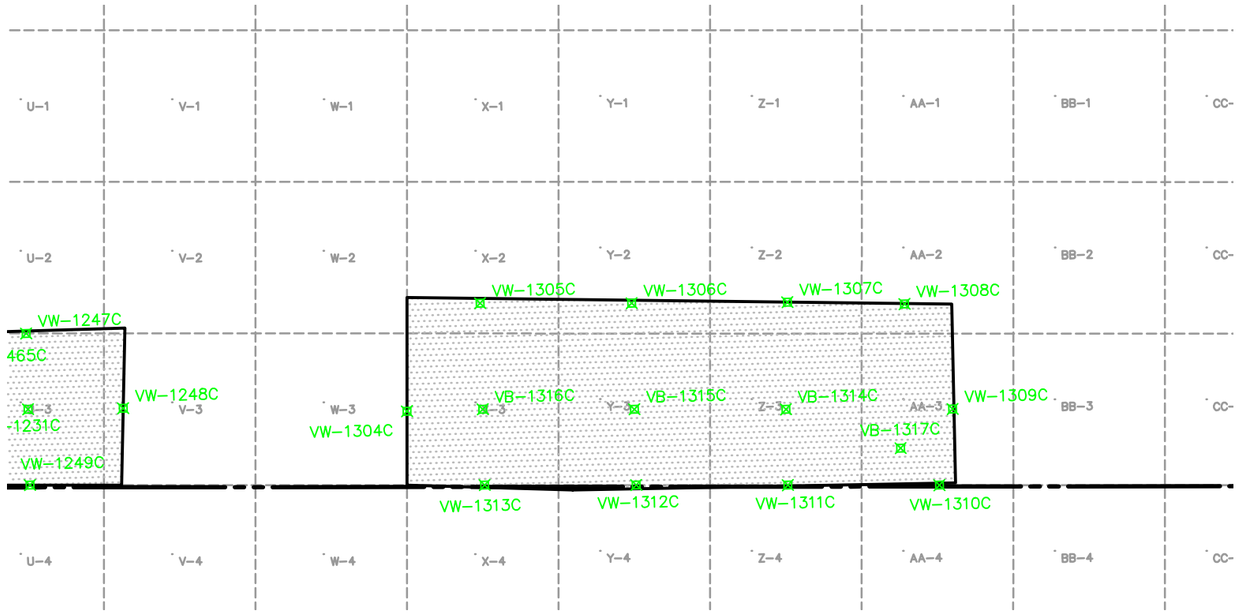
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | OFF-SITE UNSATURATED PCB-IMPACTED SOIL REMOVAL MAP - NORTH AREA (1) |

| | | | |
|---|---|---|---|
| PROJECT: | CHW8271 | FIGURE NO.: | 7A |
| DATE: | April 27, 2018 | FILE NO.: | 1804MDCC810 |

DRAWING NO.: 7A OF 11




LEGEND

- APPROXIMATE PROPERTY LINE
- SOIL REMOVAL EXTENT
- UNSATURATED PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR OFF-SITE UNSATURATED SOIL REMOVAL EXCAVATION GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION BASE SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE OFF-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO THE DEPTH OF GROUNDWATER DOCUMENTED IN THE USEPA-APPROVED 30 SEPTEMBER 2014 SOIL REMOVAL AND GRADING PLAN (4 FEET FOR OFF-SITE EAST AREA AND 6 FEET FOR OFF-SITE NORTH AREA), NO ADDITIONAL VERIFICATION BASE SAMPLES WERE COLLECTED. IF THE ADDITIONAL EXCAVATION EXTENDED TO A DEPTH ABOVE THE DEPTH OF GROUNDWATER, AN ADDITIONAL VERIFICATION BASE SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. PCB - POLYCHLORINATED BIPHENYL

SCALE IN FEET

0 10’

N

Geosyntec consultants

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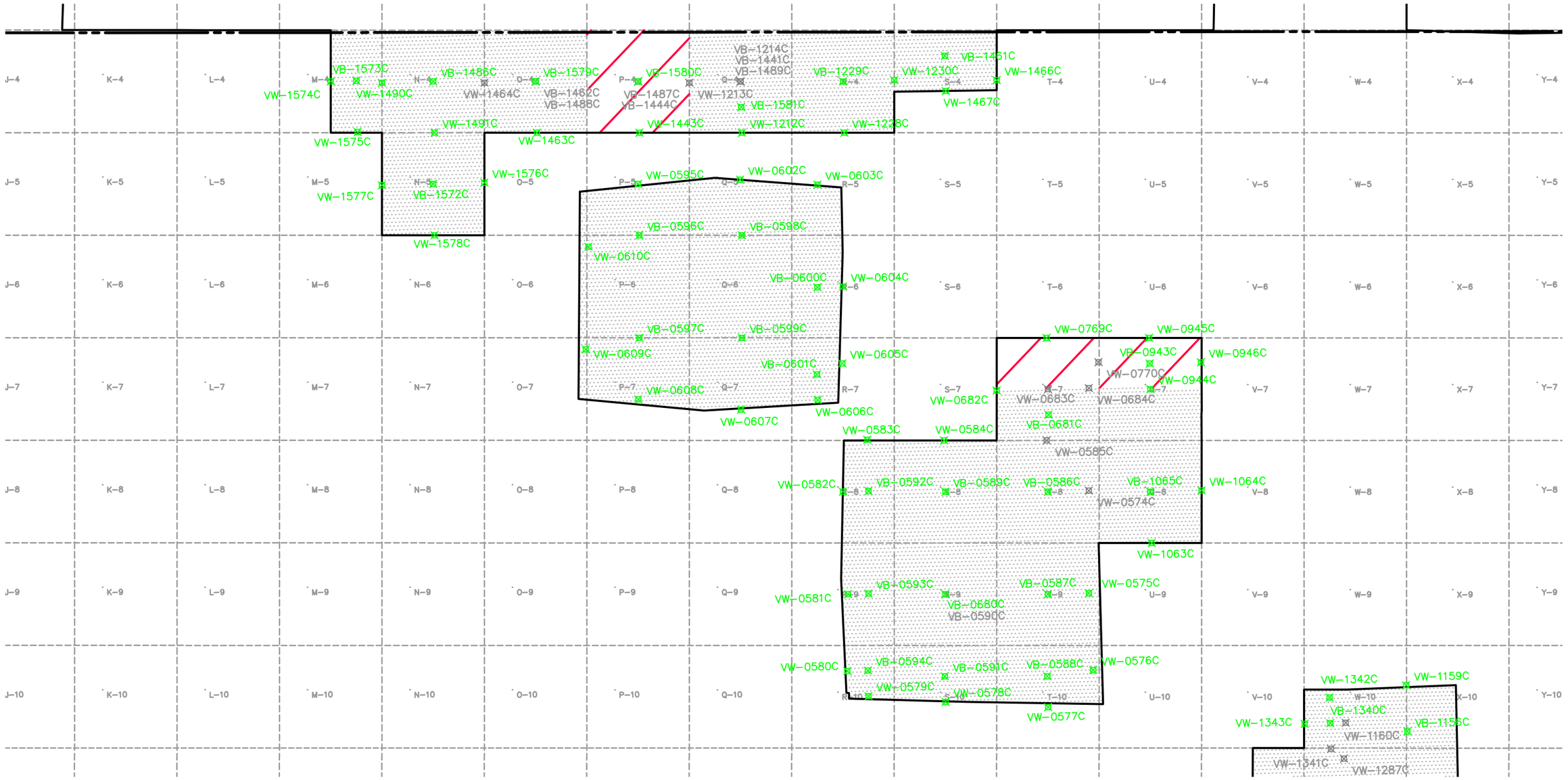
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | OFF-SITE UNSATURATED PCB-IMPACTED SOIL REMOVAL MAP - NORTH AREA (2) |
| PROJECT: CHW8271 | FIGURE NO.: 7B |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 |
| DRAWING NO.: | 7B OF 11 |




LEGEND

- APPROXIMATE PROPERTY LINE
- SOIL REMOVAL EXTENT
- PCB-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL AS TSCA-REGULATED WASTE)
- PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE ON-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED, AND AN ADDITIONAL VERIFICATION SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. INTERNAL PASSING VERIFICATION WALL SAMPLES ARE REPRESENTATIVE OF VARYING DEPTHS WITHIN SOIL REMOVAL EXTENT.
3. PCB - POLYCHLORINATED BIPHENYL
4. TSCA - TOXIC SUBSTANCES CONTROL ACT

SCALE IN FEET

0 10’

N

Geosyntec consultants

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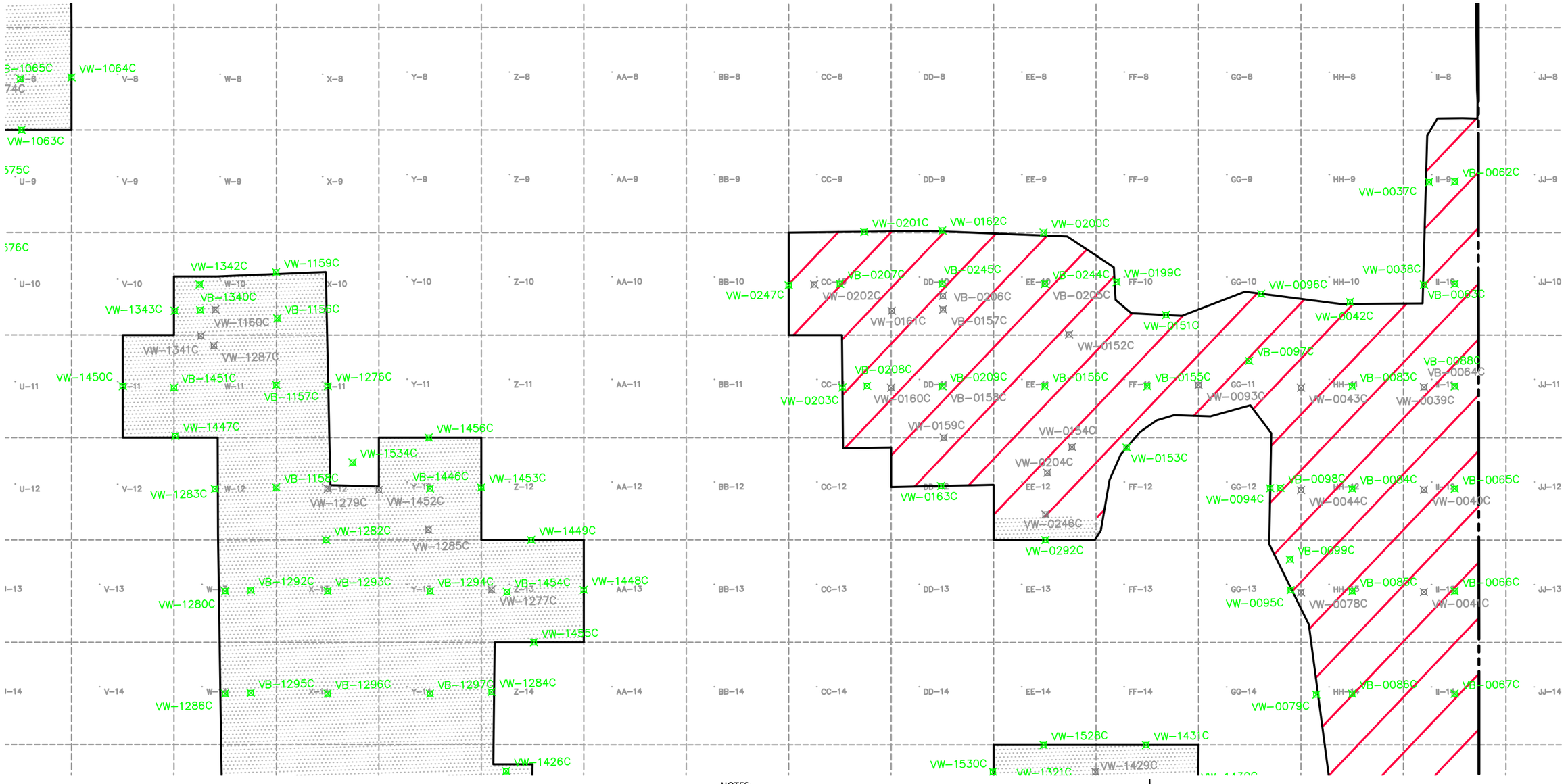
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | ON-SITE PCB-IMPACTED SOIL REMOVAL MAP (1) |
| PROJECT: CHW8271 | FIGURE NO.: 8A |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 |
| DRAWING NO.: | 8A OF 11 |




NOTES:

1. FOR GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE ON-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED, AND AN ADDITIONAL VERIFICATION SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. INTERNAL PASSING VERIFICATION WALL SAMPLES ARE REPRESENTATIVE OF VARYING DEPTHS WITHIN SOIL REMOVAL EXTENT.
3. PCB - POLYCHLORINATED BIPHENYL
4. TSCA - TOXIC SUBSTANCES CONTROL ACT

LEGEND

- APPROXIMATE PROPERTY LINE
- SOIL REMOVAL EXTENT
- PCB-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL AS TSCA-REGULATED WASTE)
- PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

SCALE IN FEET

0 10’

N

Geosyntec consultants

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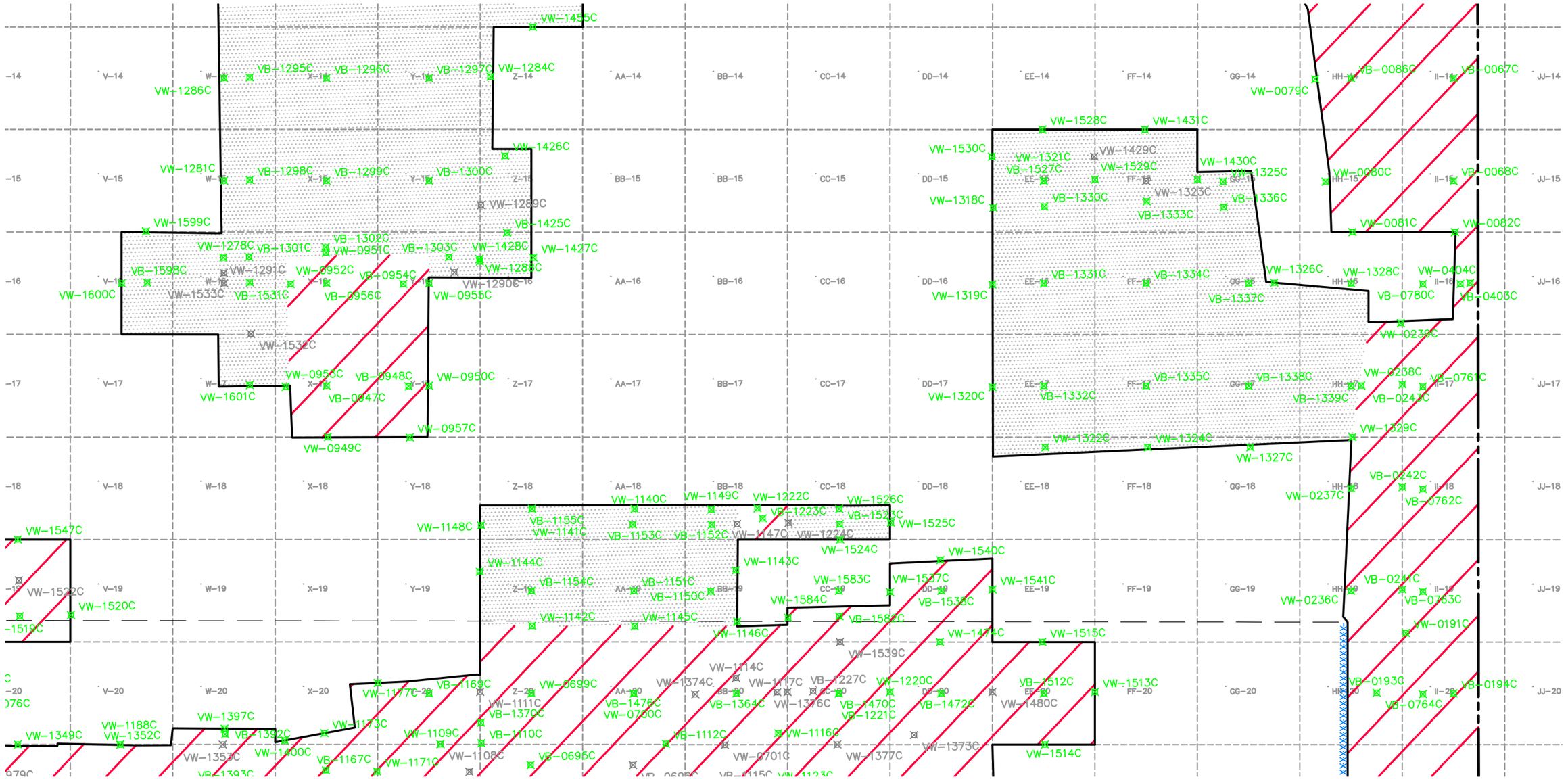
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | ON-SITE PCB-IMPACTED SOIL REMOVAL MAP (2) |
| PROJECT: CHW8271 | FIGURE NO.: 8B |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 |
| DRAWING NO.: | 8B OF 11 |




LEGEND

- APPROXIMATE PROPERTY LINE
- FORMER BUILDING FOOTPRINT
- CONCRETE WALL (SEE NOTE 3)
- SOIL REMOVAL EXTENT
- PCB-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL AS TSCA-REGULATED WASTE)
- PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE ON-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED, AND AN ADDITIONAL VERIFICATION SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. INTERNAL PASSING VERIFICATION WALL SAMPLES ARE REPRESENTATIVE OF VARYING DEPTHS WITHIN SOIL REMOVAL EXTENT.
3. WHERE A CONCRETE FOUNDATION WALL WAS ENCOUNTERED AT THE EDGE OF AN EXCAVATION, AND SOIL WAS NOT PRESENT BEYOND THE CONCRETE FOUNDATION WALL OR THE CONCRETE FOUNDATION WALL EXTENDED BELOW THE BASE OF THE EXCAVATION, A VERIFICATION WALL SAMPLE WAS NOT COLLECTED.
4. PCB - POLYCHLORINATED BIPHENYL
5. TSCA - TOXIC SUBSTANCES CONTROL ACT

SCALE IN FEET

0 10’

N

Geosyntec consultants

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|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | ON-SITE PCB-IMPACTED SOIL REMOVAL MAP (3) |

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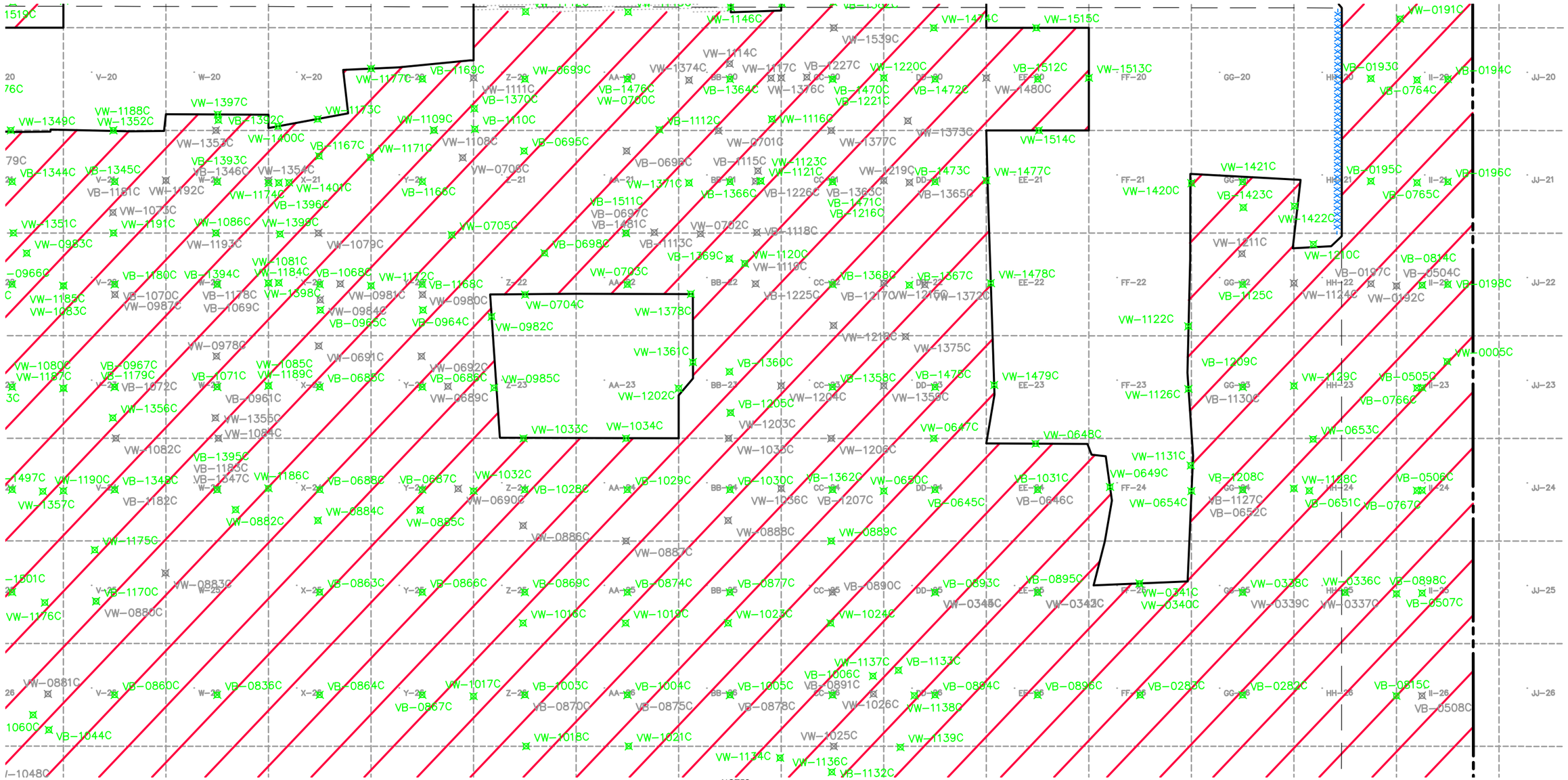
|---|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 8C | DRAWING NO.: 8C OF 11 |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | |




NOTES:

1. FOR GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE ON-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED, AND AN ADDITIONAL VERIFICATION SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. INTERNAL PASSING VERIFICATION WALL SAMPLES ARE REPRESENTATIVE OF VARYING DEPTHS WITHIN SOIL REMOVAL EXTENT.
3. WHERE A CONCRETE FOUNDATION WALL WAS ENCOUNTERED AT THE EDGE OF AN EXCAVATION, AND SOIL WAS NOT PRESENT BEYOND THE CONCRETE FOUNDATION WALL OR THE CONCRETE FOUNDATION WALL EXTENDED BELOW THE BASE OF THE EXCAVATION, A VERIFICATION WALL SAMPLE WAS NOT COLLECTED.
4. PCB - POLYCHLORINATED BIPHENYL
5. TSCA - TOXIC SUBSTANCES CONTROL ACT

LEGEND

- APPROXIMATE PROPERTY LINE
- FORMER BUILDING FOOTPRINT
- CONCRETE WALL (SEE NOTE 3)
- SOIL REMOVAL EXTENT
- PCB-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL AS TSCA-REGULATED WASTE)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

SCALE IN FEET

0 10’

N

Geosyntec consultants

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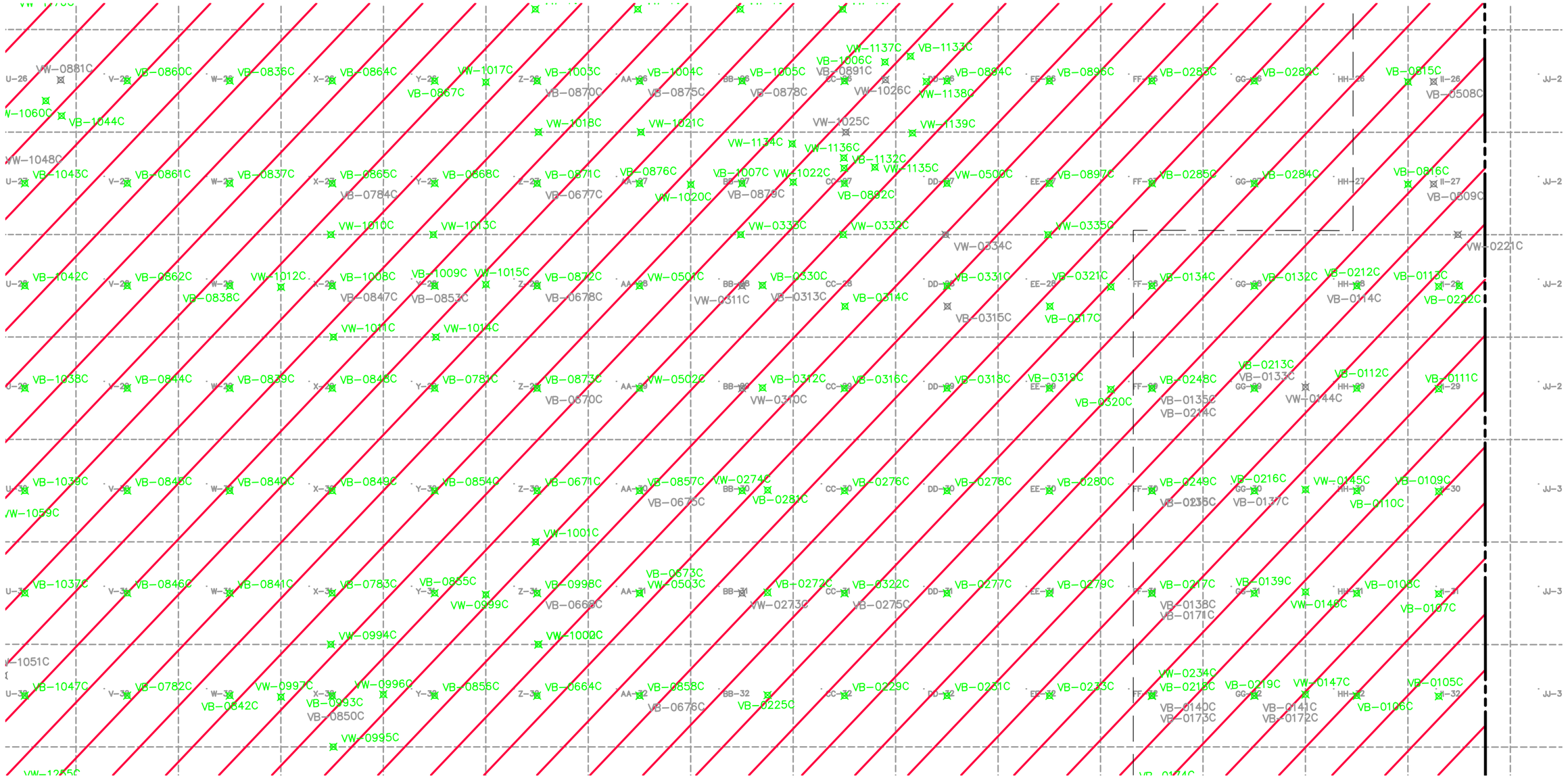
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | ON-SITE PCB-IMPACTED SOIL REMOVAL MAP (4) |

| | | | |
|---|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 8D | DRAWING NO.: 8D OF 11 | |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | | |




NOTES:

1. FOR GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE ON-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED, AND AN ADDITIONAL VERIFICATION SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. INTERNAL PASSING VERIFICATION WALL SAMPLES ARE REPRESENTATIVE OF VARYING DEPTHS WITHIN SOIL REMOVAL EXTENT.
3. PCB - POLYCHLORINATED BIPHENYL
4. TSCA - TOXIC SUBSTANCES CONTROL ACT

LEGEND

- APPROXIMATE PROPERTY LINE
- FORMER BUILDING FOOTPRINT
- SOIL REMOVAL EXTENT
- PCB-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL AS TSCA-REGULATED WASTE)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

SCALE IN FEET

0 10’

N

Geosyntec consultants

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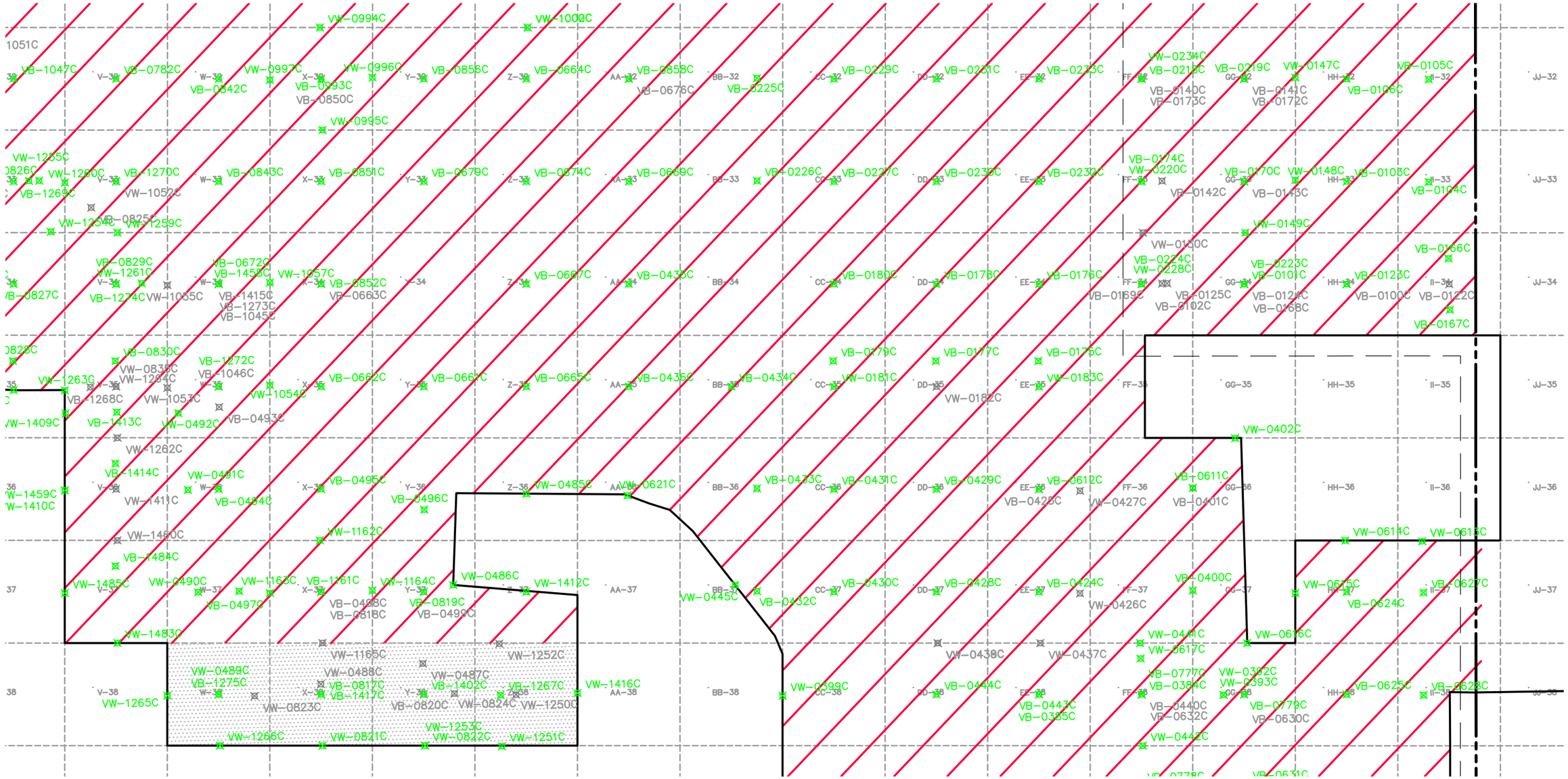
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | ON-SITE PCB-IMPACTED SOIL REMOVAL MAP (5) |

| | | | |
|---|---|---|---|
| PROJECT: | CHW8271 | FIGURE NO.: | 8E |
| DATE: | April 27, 2018 | FILE NO.: | 1804MDCC810 |

DRAWING NO.: 8E OF 11




LEGEND

- APPROXIMATE PROPERTY LINE
- FORMER BUILDING FOOTPRINT
- SOIL REMOVAL EXTENT
- PCB-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL AS TSCA-REGULATED WASTE)
- PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE ON-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED, AND AN ADDITIONAL VERIFICATION SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. INTERNAL PASSING VERIFICATION WALL SAMPLES ARE REPRESENTATIVE OF VARYING DEPTHS WITHIN SOIL REMOVAL EXTENT.
3. PCB - POLYCHLORINATED BIPHENYL
4. TSCA - TOXIC SUBSTANCES CONTROL ACT

SCALE IN FEET

0 10’

N

Geosyntec consultants

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|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | ON-SITE PCB-IMPACTED SOIL REMOVAL MAP (6) |

| | | | |
|---|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 8F | DRAWING NO.: 8F OF 11 | |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | | |


LEGEND

- APPROXIMATE PROPERTY LINE
- FORMER BUILDING FOOTPRINT
- CONCRETE WALL (SEE NOTE 3)
- SOIL REMOVAL EXTENT
- PCB-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL AS TSCA-REGULATED WASTE)
- PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE ON-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED, AND AN ADDITIONAL VERIFICATION SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. INTERNAL PASSING VERIFICATION WALL SAMPLES ARE REPRESENTATIVE OF VARYING DEPTHS WITHIN SOIL REMOVAL EXTENT.
3. WHERE A CONCRETE FOUNDATION WALL WAS ENCOUNTERED AT THE EDGE OF AN EXCAVATION, AND SOIL WAS NOT PRESENT BEYOND THE CONCRETE FOUNDATION WALL OR THE CONCRETE FOUNDATION WALL EXTENDED BELOW THE BASE OF THE EXCAVATION, A VERIFICATION WALL SAMPLE WAS NOT COLLECTED.
4. PCB - POLYCHLORINATED BIPHENYL
5. TSCA - TOXIC SUBSTANCES CONTROL ACT

SCALE IN FEET

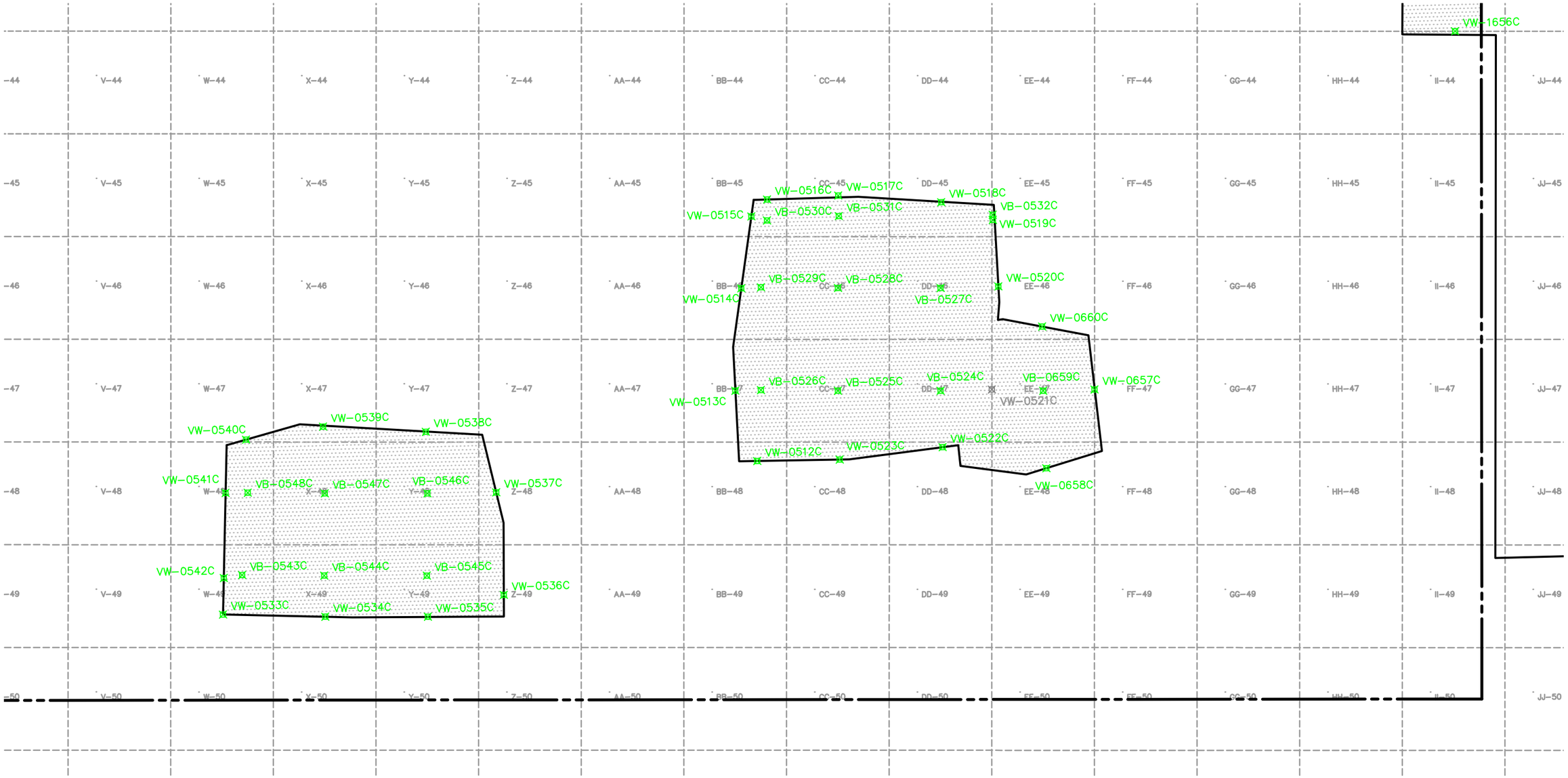
0 10’

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | ON-SITE PCB-IMPACTED SOIL REMOVAL MAP (7) |

| | | |
|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 8G | DRAWING NO.: 8G OF 11 |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | |




LEGEND

- APPROXIMATE PROPERTY LINE
- SOIL REMOVAL EXTENT
- PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE ON-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED, AND AN ADDITIONAL VERIFICATION SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. INTERNAL PASSING VERIFICATION WALL SAMPLES ARE REPRESENTATIVE OF VARYING DEPTHS WITHIN SOIL REMOVAL EXTENT.
3. PCB - POLYCHLORINATED BIPHENYL

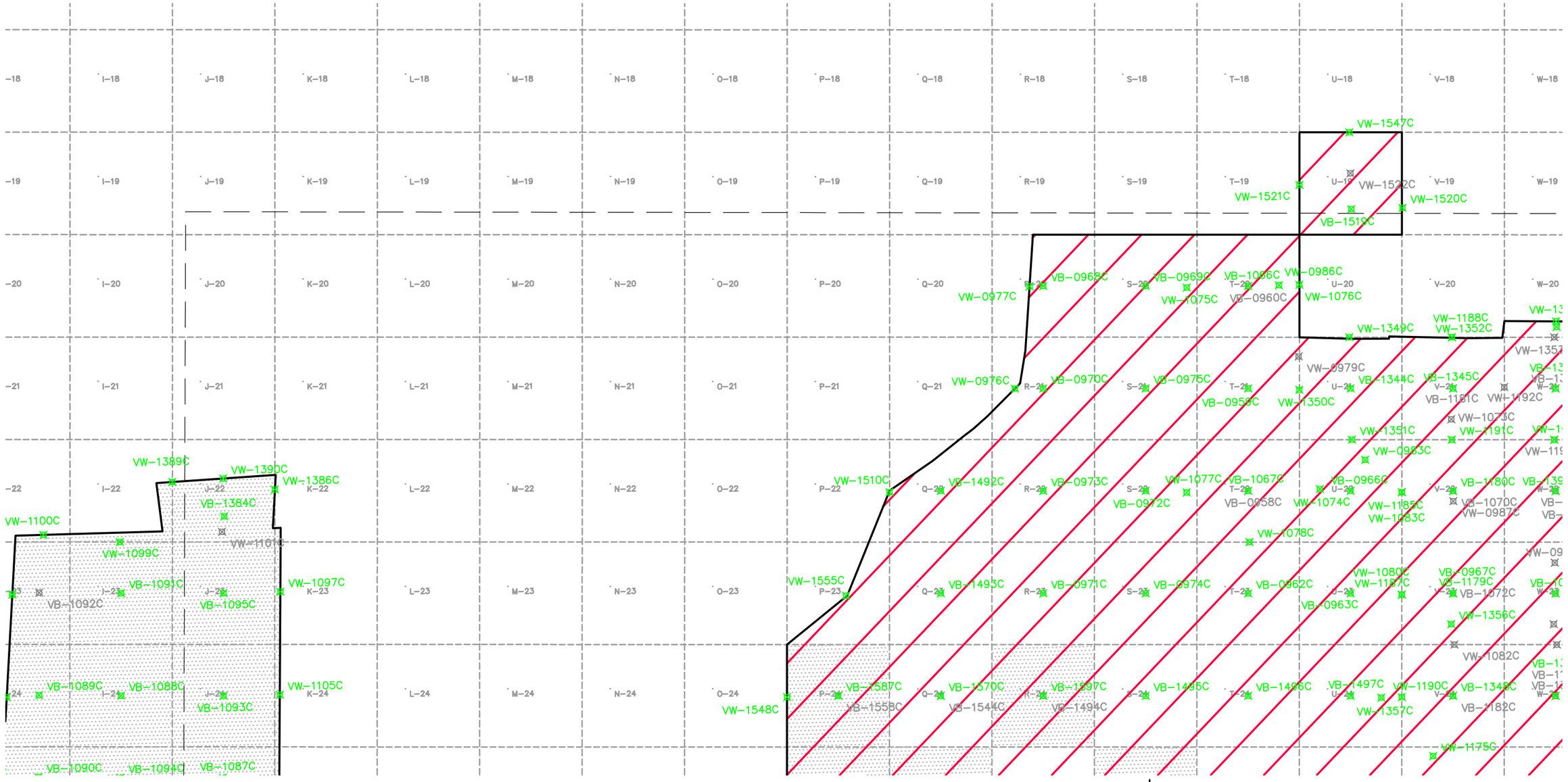
SCALE IN FEET

0 10’

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | ON-SITE PCB-IMPACTED SOIL REMOVAL MAP (8) |
| PROJECT: CHW8271 | FIGURE NO.: 8H |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 |
| DRAWING NO.: | 8H OF 11 |




LEGEND

- FORMER BUILDING FOOTPRINT
- SOIL REMOVAL EXTENT
- PCB-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL AS TSCA-REGULATED WASTE)
- PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE ON-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED, AND AN ADDITIONAL VERIFICATION SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. INTERNAL PASSING VERIFICATION WALL SAMPLES ARE REPRESENTATIVE OF VARYING DEPTHS WITHIN SOIL REMOVAL EXTENT.
3. PCB - POLYCHLORINATED BIPHENYL
4. TSCA - TOXIC SUBSTANCES CONTROL ACT

SCALE IN FEET

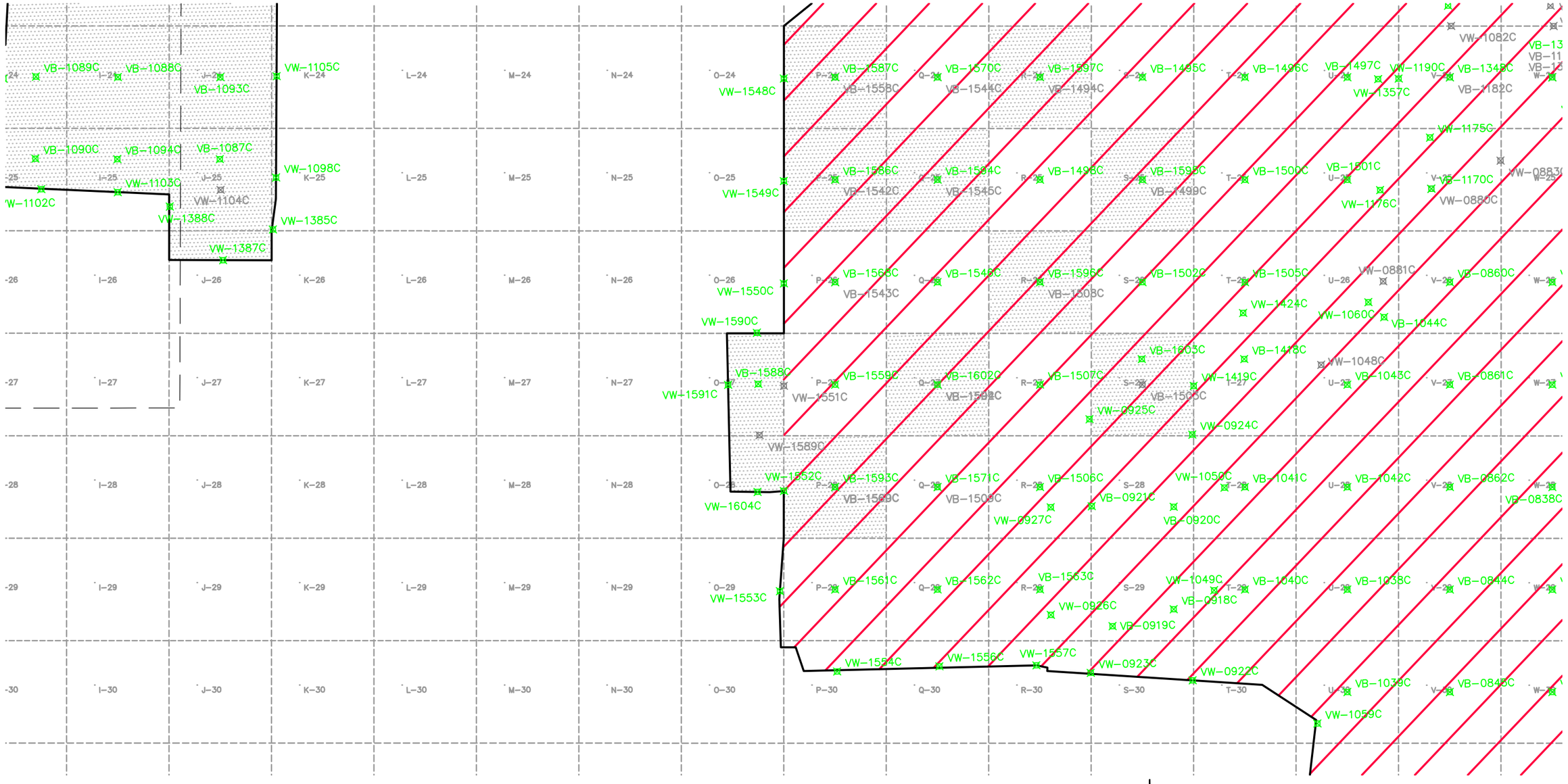
0 10’

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | ON-SITE PCB-IMPACTED SOIL REMOVAL MAP (9) |

| | | |
|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 8I | DRAWING NO.: 8I OF 11 |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | |




LEGEND

- FORMER BUILDING FOOTPRINT
- SOIL REMOVAL EXTENT
- PCB-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL AS TSCA-REGULATED WASTE)
- PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE ON-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED, AND AN ADDITIONAL VERIFICATION SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. INTERNAL PASSING VERIFICATION WALL SAMPLES ARE REPRESENTATIVE OF VARYING DEPTHS WITHIN SOIL REMOVAL EXTENT.
3. PCB - POLYCHLORINATED BIPHENYL
4. TSCA - TOXIC SUBSTANCES CONTROL ACT

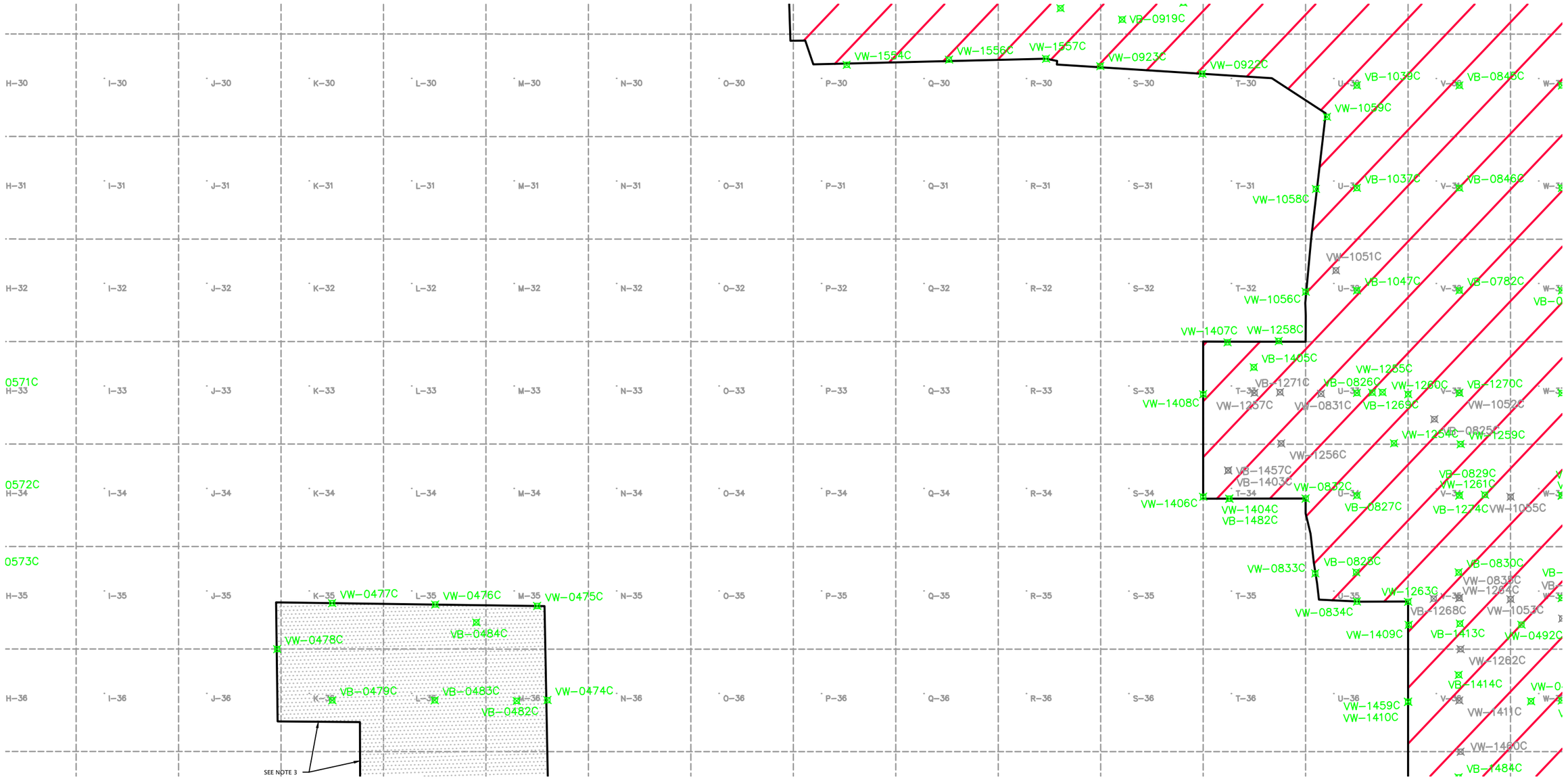
SCALE IN FEET

0 10’

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | ON-SITE PCB-IMPACTED SOIL REMOVAL MAP (10) |
| PROJECT: CHW8271 | FIGURE NO.: 8J |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 |
| DRAWING NO.: | 8J OF 11 |




LEGEND

- SOIL REMOVAL EXTENT
- PCB-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL AS TSCA-REGULATED WASTE)
- PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- VERIFICATION SAMPLE GRID
- A-1 SAMPLING GRID ID
- VW-0001 PASSING VERIFICATION SAMPLE LOCATION
- VW-0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE ON-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED, AND AN ADDITIONAL VERIFICATION SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. INTERNAL PASSING VERIFICATION WALL SAMPLES ARE REPRESENTATIVE OF VARYING DEPTHS WITHIN SOIL REMOVAL EXTENT.
3. NO SIDEWALL PRESENT. ADJACENT SOIL PREVIOUSLY REMOVED DURING CVOC-IMPACTED SOIL REMOVAL.
4. PCB - POLYCHLORINATED BIPHENYL
5. TSCA - TOXIC SUBSTANCES CONTROL ACT
6. CVOC - CHLORINATED VOLATILE ORGANIC COMPOUND

SCALE IN FEET

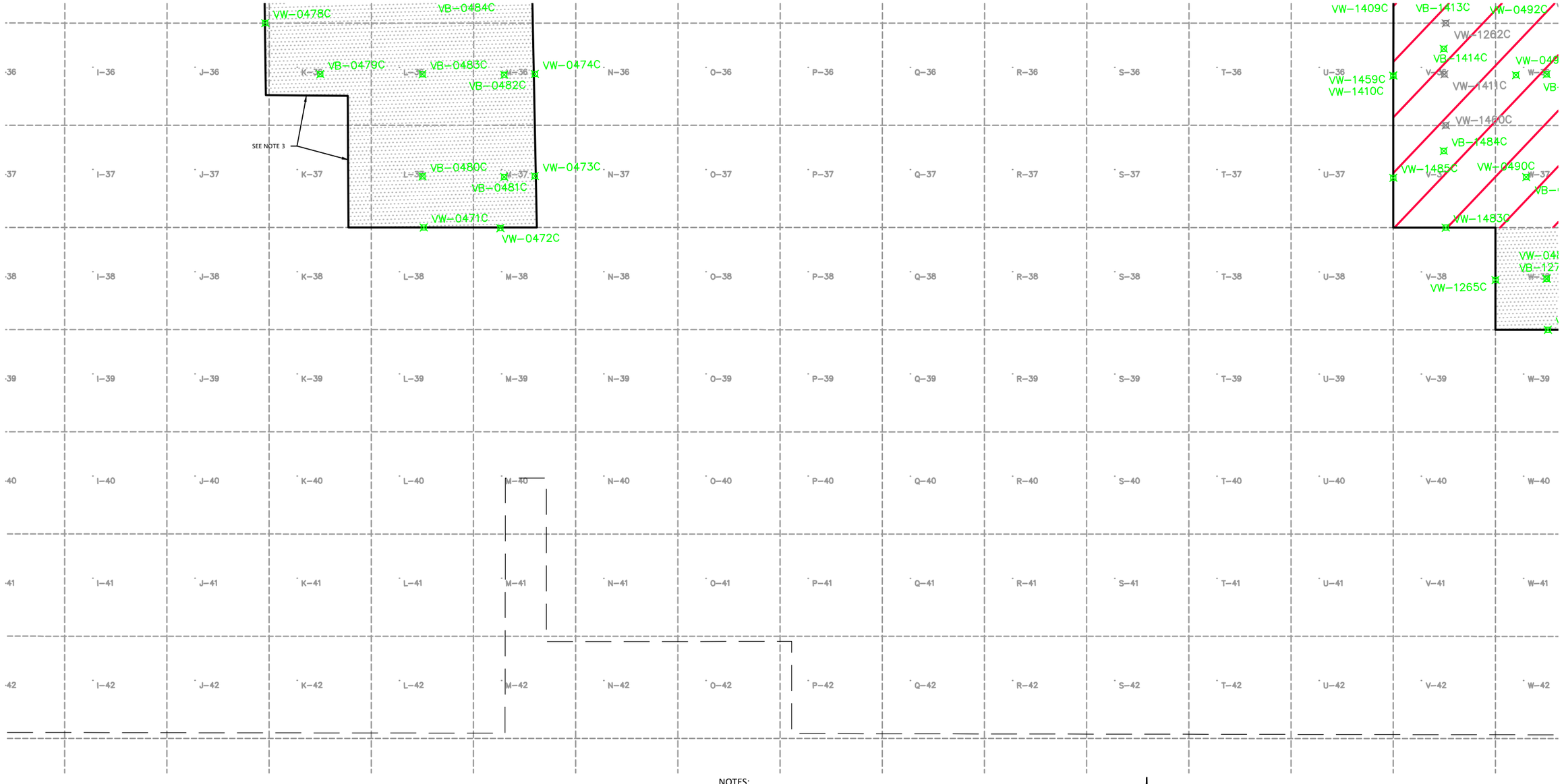
0 10’

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | ON-SITE PCB-IMPACTED SOIL REMOVAL MAP (11) |

| | | | |
|---|---|---|---|
| PROJECT: | CHW8271 | FIGURE NO.: 8K | DRAWING NO.: 8K OF 11 |
| DATE: | April 27, 2018 | FILE NO.: 1804MDCC810 | |




LEGEND

- FORMER BUILDING FOOTPRINT
- SOIL REMOVAL EXTENT
- PCB-IMPACTED SOIL REMOVAL AREA (OFF-SITE DISPOSAL AS TSCA-REGULATED WASTE)
- PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE ON-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED, AND AN ADDITIONAL VERIFICATION SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. INTERNAL PASSING VERIFICATION WALL SAMPLES ARE REPRESENTATIVE OF VARYING DEPTHS WITHIN SOIL REMOVAL EXTENT.
3. NO SIDEWALL PRESENT. ADJACENT SOIL PREVIOUSLY REMOVED DURING CVOC-IMPACTED SOIL REMOVAL.
4. PCB - POLYCHLORINATED BIPHENYL
5. TSCA - TOXIC SUBSTANCES CONTROL ACT
6. CVOC - CHLORINATED VOLATILE ORGANIC COMPOUND

SCALE IN FEET

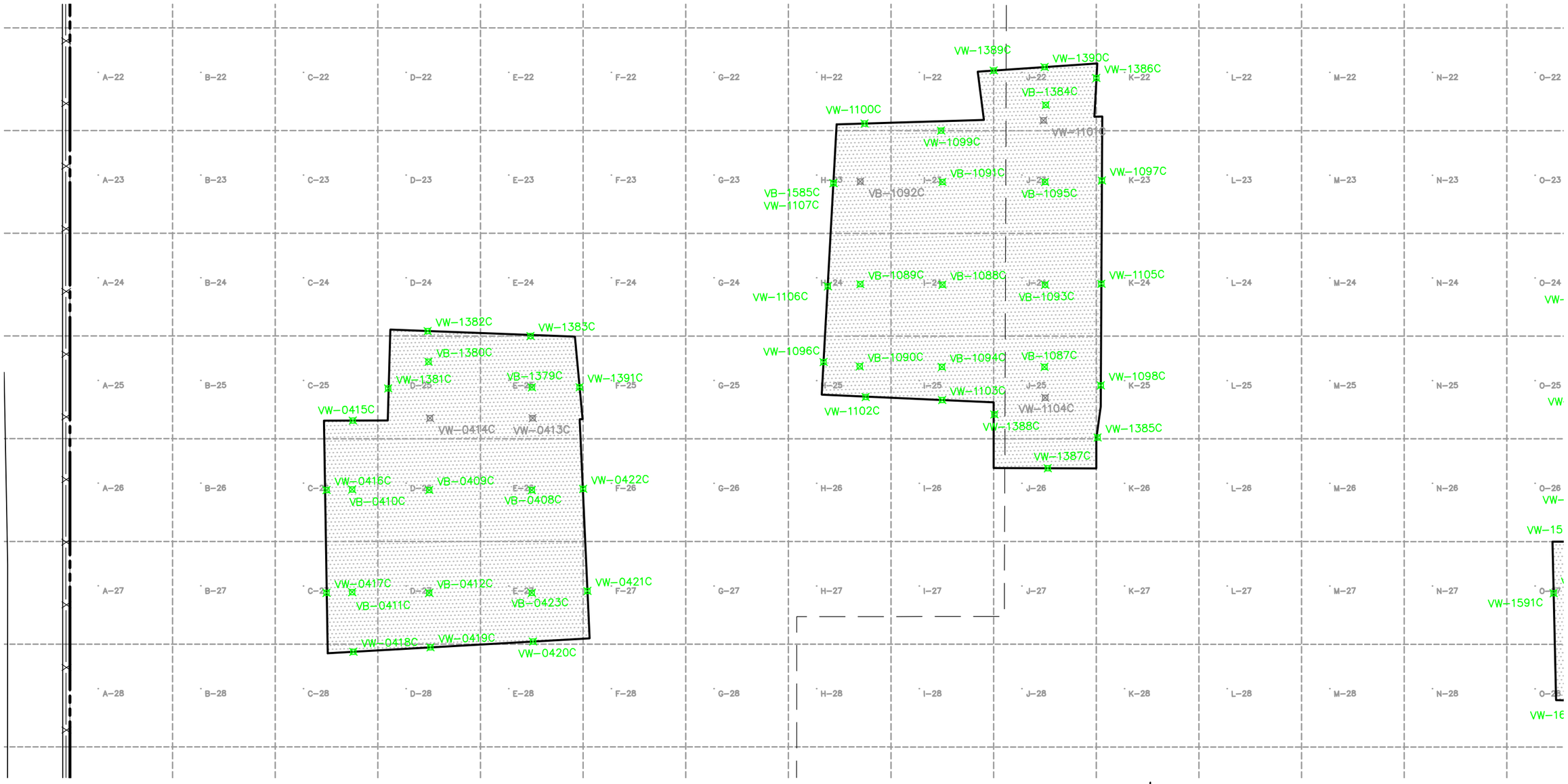
0 10’

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | ON-SITE PCB-IMPACTED SOIL REMOVAL MAP (12) |

| | | | |
|---|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 8L | DRAWING NO.: 8L OF 11 |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | |




LEGEND

- APPROXIMATE PROPERTY LINE
- FORMER BUILDING FOOTPRINT
- SOIL REMOVAL EXTENT
- PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE ON-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED, AND AN ADDITIONAL VERIFICATION SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. INTERNAL PASSING VERIFICATION WALL SAMPLES ARE REPRESENTATIVE OF VARYING DEPTHS WITHIN SOIL REMOVAL EXTENT.
3. PCB - POLYCHLORINATED BIPHENYL

SCALE IN FEET

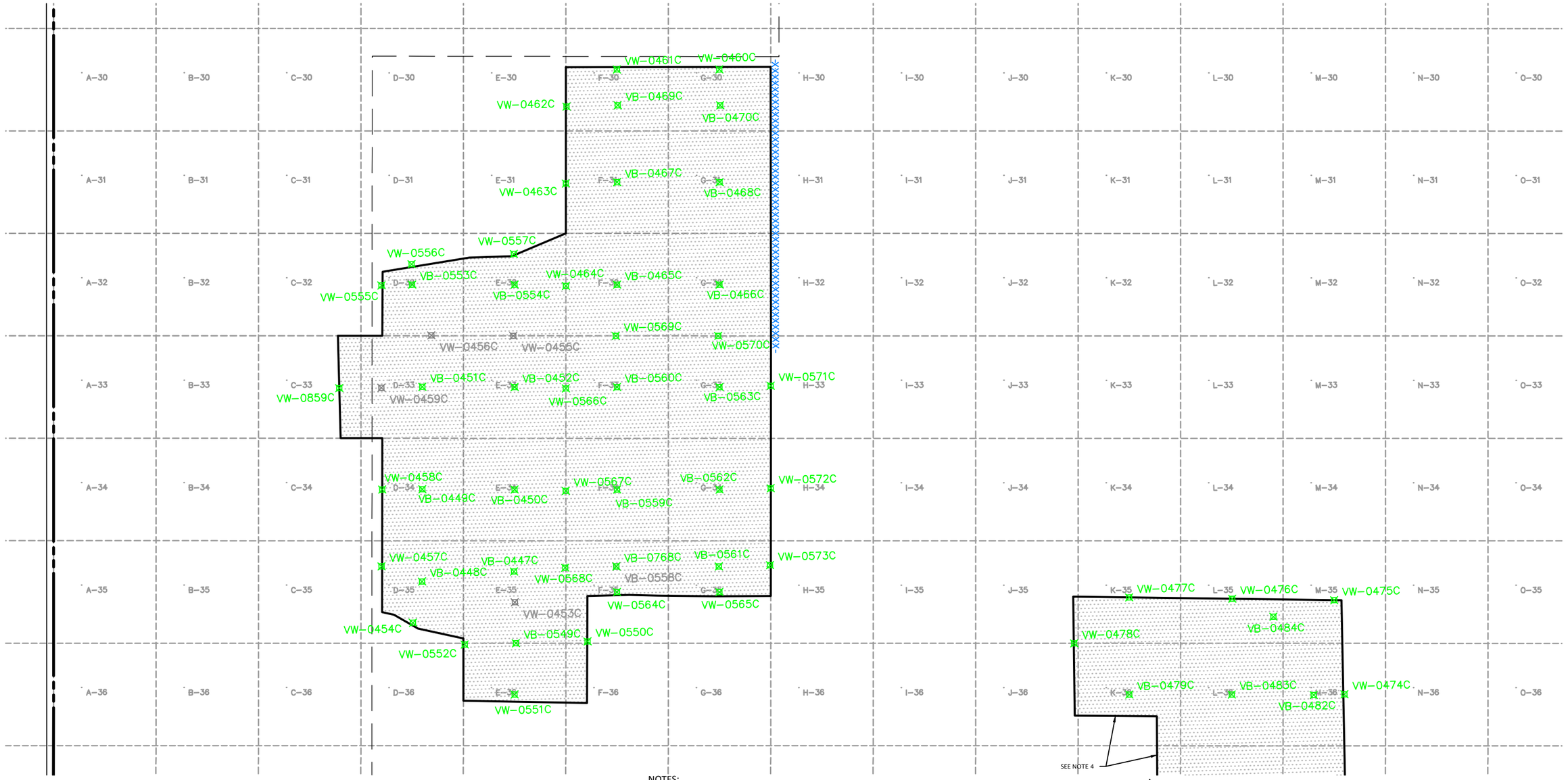
0 10’

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | ON-SITE PCB-IMPACTED SOIL REMOVAL MAP (13) |

| | | |
|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 8M | DRAWING NO.: 8M OF 11 |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | |




LEGEND

- APPROXIMATE PROPERTY LINE
- FORMER BUILDING FOOTPRINT
- CONCRETE WALL (SEE NOTE 3)
- SOIL REMOVAL EXTENT
- PCB-IMPACTED SOIL REMOVAL AREA (EXCAVATED SOIL PLACED WITHIN ON-SITE CLAY CAP AREA; SEE FIGURE 11)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. FOR GRID AREAS DEPICTED WITH NON-PASSING VERIFICATION SAMPLES (SAMPLES WITH CONCENTRATIONS THAT EXCEEDED THE ON-SITE PCB AND/OR CVOC REMOVAL CRITERIA), ADDITIONAL EXCAVATION OF THE GRID AREA WAS CONDUCTED, AND AN ADDITIONAL VERIFICATION SAMPLE WAS COLLECTED TO VERIFY THE REMOVAL CRITERIA WERE ACHIEVED.
2. INTERNAL PASSING VERIFICATION WALL SAMPLES ARE REPRESENTATIVE OF VARYING DEPTHS WITHIN SOIL REMOVAL EXTENT.
3. WHERE A CONCRETE FOUNDATION WALL WAS ENCOUNTERED AT THE EDGE OF AN EXCAVATION, AND SOIL WAS NOT PRESENT BEYOND THE CONCRETE FOUNDATION WALL OR THE CONCRETE FOUNDATION WALL EXTENDED BELOW THE BASE OF THE EXCAVATION, A VERIFICATION WALL SAMPLE WAS NOT COLLECTED.
4. NO SIDEWALL PRESENT. ADJACENT SOIL PREVIOUSLY REMOVED DURING CVOC-IMPACTED SOIL REMOVAL.
5. PCB - POLYCHLORINATED BIPHENYL
6. CVOC - CHLORINATED VOLATILE ORGANIC COMPOUND

SCALE IN FEET

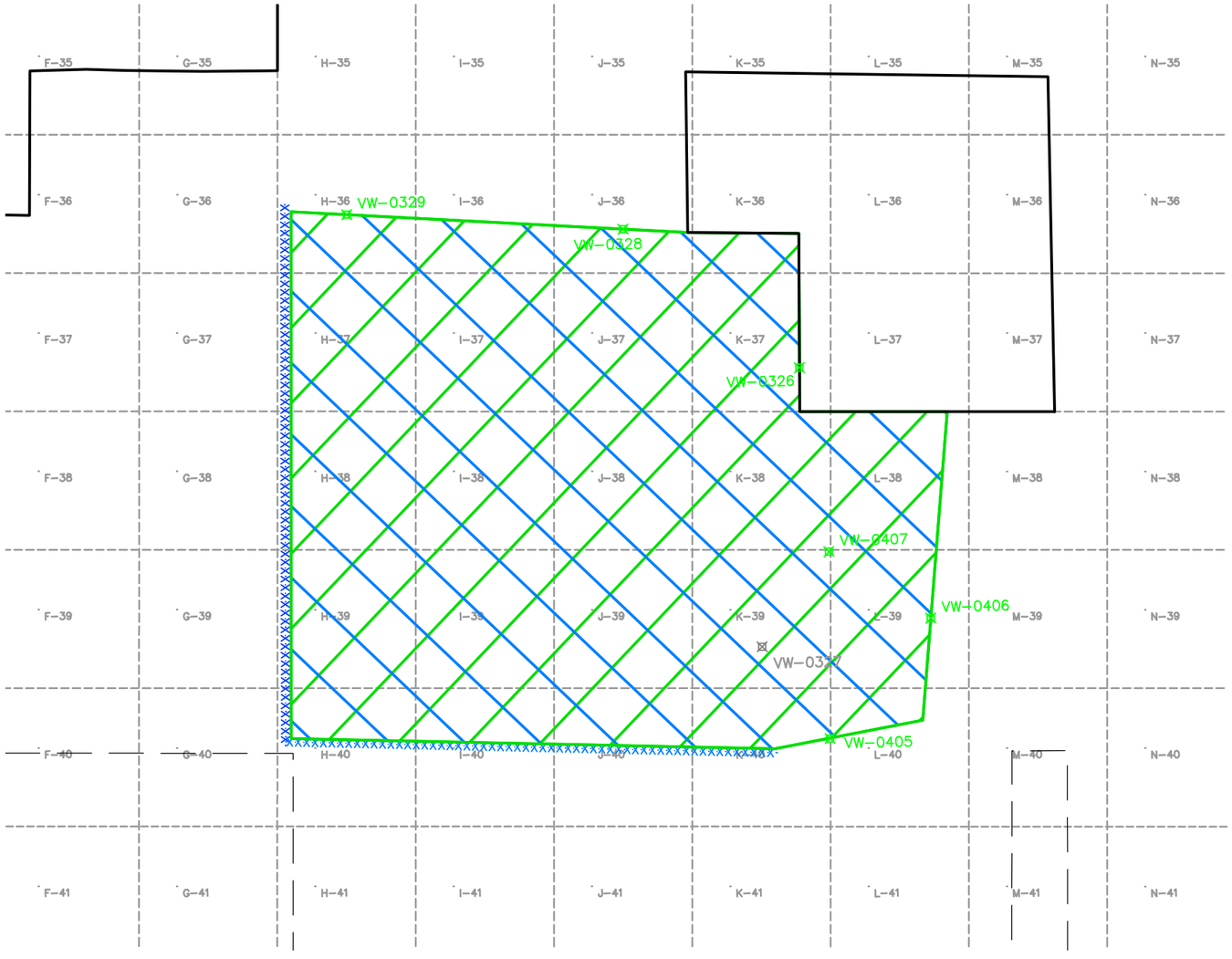
0 10’

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | ON-SITE PCB-IMPACTED SOIL REMOVAL MAP (14) |

| | | |
|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 8N | DRAWING NO.: 8N OF 11 |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | |




LEGEND

- FORMER BUILDING FOOTPRINT
- CONCRETE WALL (SEE NOTE 2)
- SOIL REMOVAL EXTENT
- UNSATURATED CVOC-IMPACTED SOIL REMOVAL AREA
- EXCAVATED TO DEPTH OF GROUNDWATER (SEE NOTE 1)
- VERIFICATION SAMPLE GRID
- A–1 SAMPLING GRID ID
- VW–0001 PASSING VERIFICATION SAMPLE LOCATION
- VW–0010 NON-PASSING VERIFICATION SAMPLE LOCATION (SEE NOTE 1)

NOTES:

1. ON-SITE UNSATURATED CVOC-IMPACTED SOIL REMOVAL EXCAVATION EXTENDED TO THE DEPTH OF GROUNDWATER DOCUMENTED IN THE USEPA-APPROVED 30 SEPTEMBER 2014 SOIL REMOVAL AND GRADING PLAN (4 FEET); THEREFORE, VERIFICATION BASE SAMPLES WERE NOT COLLECTED.
2. WHERE A CONCRETE FOUNDATION WALL WAS ENCOUNTERED AT THE EDGE OF AN EXCAVATION, AND SOIL WAS NOT PRESENT BEYOND THE CONCRETE FOUNDATION WALL OR THE CONCRETE FOUNDATION WALL EXTENDED BELOW THE BASE OF THE EXCAVATION, A VERIFICATION WALL SAMPLE WAS NOT COLLECTED.
3. CVOC - CHLORINATED VOLATILE ORGANIC COMPOUND

SCALE IN FEET

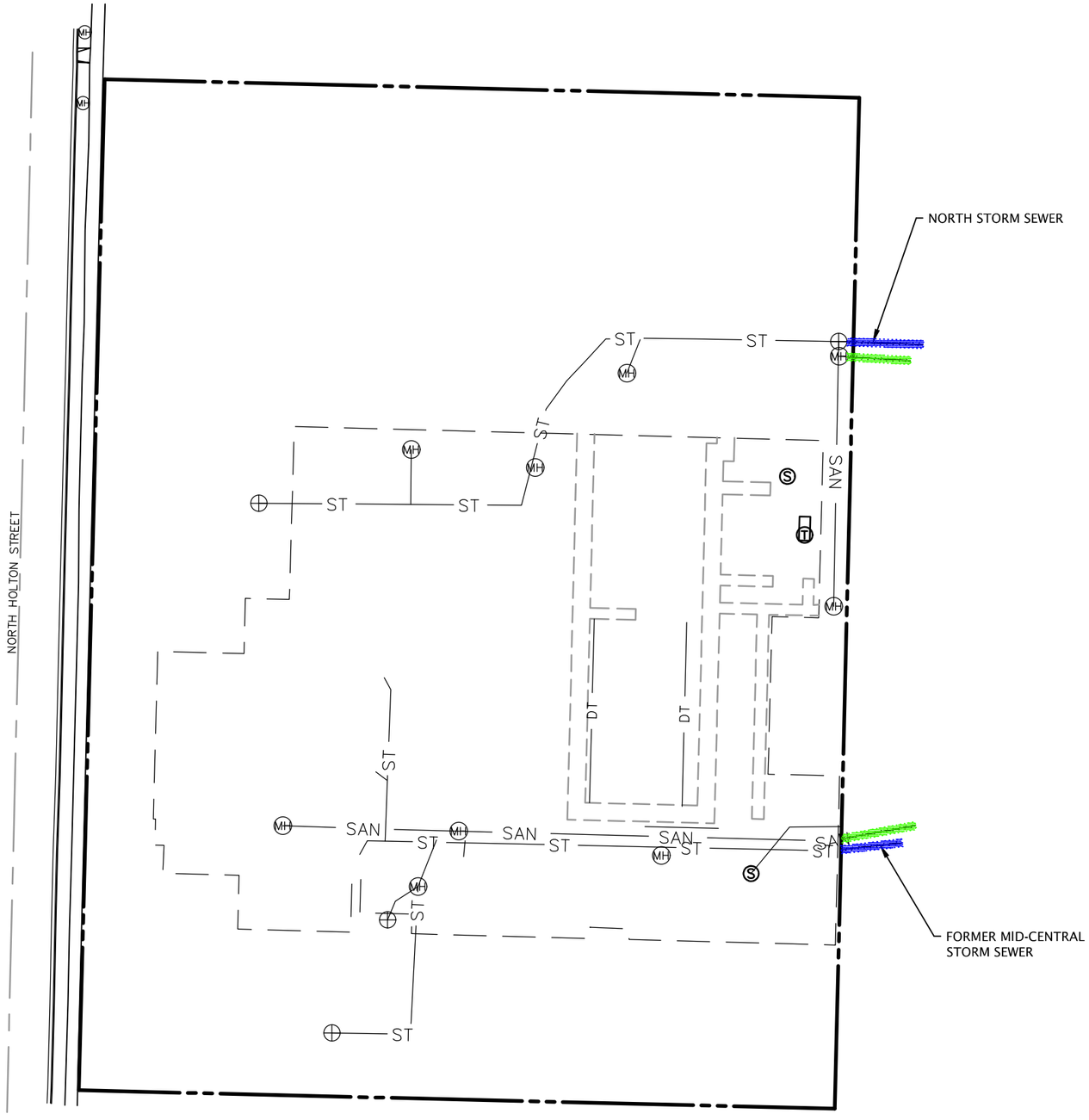
0 10’

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | ON-SITE UNSATURATED CVOC-IMPACTED SOIL REMOVAL MAP |

| | | |
|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 9 | DRAWING NO.: 9 OF 11 |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | |




LEGEND

- APPROXIMATE PROPERTY LINE
- FORMER BUILDING FOOTPRINT
- FORMER TUNNEL SYSTEM
- ST — FORMER STORM SEWER
- DT — FORMER DRAIN TILE
- SAN — FORMER SANITARY SEWER
- SANITARY SEWERS DECOMISSIONED/ ABANDONED IN 2008
- STORM SEWERS REMOVED/ ABANDONED IN 2013
- (T) FORMER UNDERGROUND STORAGE TANK (UST)
- (S) FORMER SUMP
- (MH) FORMER MANHOLE
- ⊕ FORMER STORM SEWER CATCH BASIN

NOTES:

1. ON-SITE SEWERS, DRAIN TILES, MANHOLES, CATCH BASINS, SUMPS, AND UST WERE REMOVED IN 2015.

SCALE IN FEET

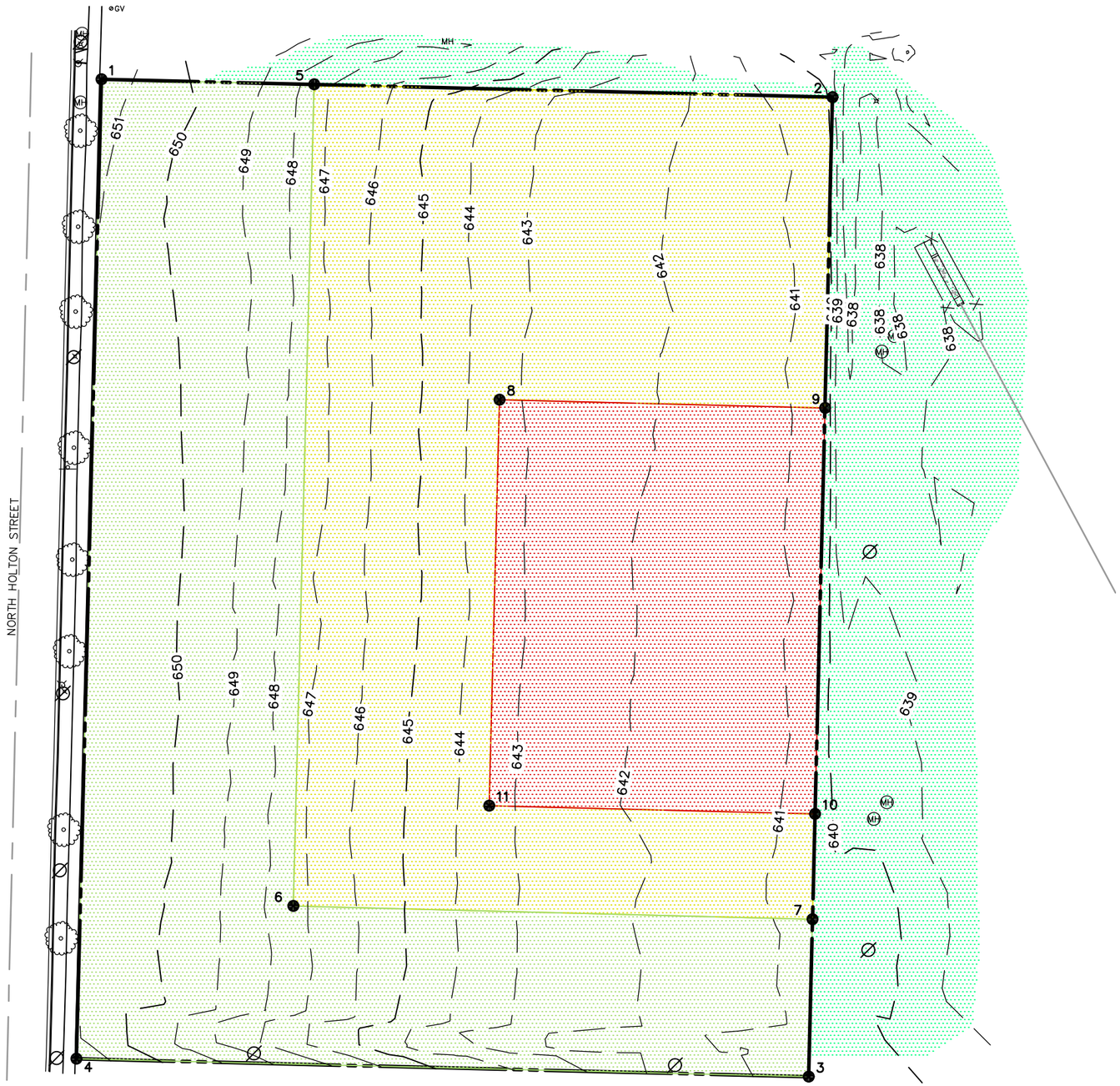
0 60’

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING COMPANY (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | SEWER / PIPING AND UST REMOVAL MAP |

| | | |
|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 10 | DRAWING NO.: 10 OF 11 |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | |




LEGEND

- APPROXIMATE SITE PROPERTY LINE
- EDGE OF PAVEMENT/WALK/CURB
- CHAIN LINK FENCE
- 640 1-FT CONTOUR LINE (FT MSL)
- MANHOLE
- STORM SEWER CATCH BASIN
- UTILITY POLE
- HYDRANT
- TREE

| | | |
|---|---|---|
| CLAY CAP: | 2-FOOT MINIMUM TOTAL THICKNESS, INCLUDING 10-INCH MINIMUM CLAY LAYER AND 6-INCH MINIMUM TOPSOIL LAYER; IN ACCORDANCE WITH 40 CFR 761.61(a)(7) AND WDNR SOIL PERFORMANCE STANDARDS (WDNR, 2013A); OVERLYING SOIL WITH PCB CONCENTRATIONS > 25 AND ≤ 100 mg/kg (40 CFR 761.3 "LOW OCCUPANCY AREA") |
| SOIL COVER: | 2-FOOT MINIMUM TOTAL THICKNESS, INCLUDING 6-INCH MINIMUM TOPSOIL LAYER; IN ACCORDANCE WITH WDNR SOIL PERFORMANCE STANDARDS (WDNR, 2013A); OVERLYING SOIL WITH PCB CONCENTRATIONS > WDNR INDUSTRIAL DIRECT CONTACT RCL AND ≤ 25 mg/kg (40 CFR 761.3 "LOW OCCUPANCY AREA") |
| TOPSOIL COVER: | 6-INCH MINIMUM TOPSOIL LAYER; OVERLYING SOIL WITH PCB CONCENTRATIONS ≤ WDNR INDUSTRIAL DIRECT CONTACT RCL |
| | APPROXIMATE EXTENT OF TOPSOIL PLACEMENT FOR RE-VEGETATION PURPOSES |

| POINT No. | NORTHING | EASTING | DESCRIPTION |
|---|---|---|---|
| 1 | 15654597.212 | 1398872.609 | PROPERTY CORNER |
| 2 | 15654588.636 | 1399220.003 | PROPERTY CORNER |
| 3 | 15654123.787 | 1399208.130 | PROPERTY CORNER |
| 4 | 15654132.364 | 1398860.736 | PROPERTY CORNER |
| 5 | 15654594.707 | 1398974.078 | SOIL COVER CORNER |
| 6 | 15654204.834 | 1398964.120 | SOIL COVER CORNER |
| 7 | 15654198.763 | 1399210.045 | SOIL COVER CORNER |
| 8 | 15654445.509 | 1399061.297 | CLAY CAP CORNER |
| 9 | 15654441.684 | 1399216.250 | CLAY CAP CORNER |
| 10 | 15654248.747 | 1399211.322 | CLAY CAP CORNER |
| 11 | 15654252.572 | 1399056.369 | CLAY CAP CORNER |

NOTES:

1. mg/kg - MILLIGRAMS PER KILOGRAM
2. MSL - MEAN SEA LEVEL
3. PCB - POLYCHLORINATED BIPHENYL
4. RCL - RESIDUAL CONTAMINANT LEVLE
5. WDNR - WISCONSIN DEPARTMENT OF NATURAL RESOURCES

SOURCE:

FIELD SURVEY PERFORMED BY TERRATEC ENGINEERING ON SEPTEMBER 25, 2015.

SCALE IN FEET

0 60'

N

Geosyntec consultants

| | |
|---|---|
| CLIENT: | PHARMACIA, LLC. |
| PROJECT: | MILWAUKEE DIE CASTING CORPORATION (MDCC) SITE<br>4132 NORTH HOLTON STREET<br>MILWAUKEE, WISCONSIN |
| TITLE: | AS-BUILT SITE CAP SYSTEMS MAP |

| | | |
|---|---|---|
| PROJECT: CHW8271 | FIGURE NO.: 11 | DRAWING NO.: 11 OF 11 |
| DATE: April 27, 2018 | FILE NO.: 1804MDCC810 | |

# TABLES

**TABLE 1**

**PROJECT PLANS**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| AOC Paragraph Requiring Plan | Document | Author | Date | USEPA Approval Date |
|---|---|---|---|---|
| 16(a) | **Air Monitoring Plan** | ARCADIS | 7/17/2013 [1] | 7/3/2013 |
| | **Emergency Contingency Plan** | ARCADIS | 7/17/2013 [1] | 7/3/2013 |
| | **Site Security Plan** | ARCADIS | 4/19/2013 | 5/14/2013 |
| | **Storm Water Management Plan** | ARCADIS | 7/17/2013 [1] | 7/3/2013 |
| | Interim Storm Water Management Plan | ARCADIS | 9/11/2013 | 9/11/2013 |
| | Proposed Interim Storm Water Management Emergency Contingency Plan Revision (Technical Memorandum) | Geosyntec | 12/9/2013 | 12/13/2013 |
| | Addendum to Proposed Revision to the Interim Storm Water Management Emergency Contingency Plan (Technical Memorandum) | Geosyntec | 4/21/2014 | 4/29/2014 |
| | Proposed Collected Storm Water Discharge Plan (Letter) | Geosyntec | 12/10/2013 | 12/13/2013 |
| | Addendum to Proposed Collected Storm Water Discharge Plan (Technical Memorandum) | Geosyntec | 4/15/2014 | 4/25/2014 |
| | Addendum No. 2 to Proposed Collected Storm Water Discharge Plan (Technical Memorandum) | Geosyntec | 5/21/2014 | 5/23/2014 |
| | Addendum No. 3 to Proposed Collected Storm Water Discharge Plan (Technical Memorandum) | Geosyntec | 6/25/2014 | 6/27/2014 |
| 17 | **First Work Plan** | ARCADIS | 5/28/2013 | -- |
| | Pre-Demolition Characterization Report | ARCADIS | 7/11/2013 | -- |
| | North and Mid-Central Storm Sewer Removals Technical Memorandum | ARCADIS | 9/12/2013 [2] | 9/11/2013 |
| | Storm Sewer Abandonment and Removal Technical Memorandum | ARCADIS | 6/10/2014 | included in Appendix 7 |
| | Building Material Characterization Report | Geosyntec | 11/30/2013 | -- |
| | Pre-Demolition Removal of Universal Wastes and Other Regulated Materials (Technical Memorandum) | Geosyntec | 2/10/2014 [3] | 3/4/2014 |
| | Disposal plan for PCB bulk product waste (email) | Geosyntec | 2/25/2014 | 3/4/2014 |
| | Characterization plan for remnant interior miscellaneous materials (email) | Geosyntec | 3/4/2014 | 3/7/2014 |
| | Demolition Plan (Technical Memorandum) | Geosyntec | 4/4/2014 | 4/7/2014 |
| | Addendum No. 1 to Demolition Plan (Technical Memorandum) | Geosyntec | 6/17/2014 | 6/19/2014 |
| | Addendum No. 2 to Demolition Plan (Technical Memorandum) | Geosyntec | 7/23/2014 | 7/24/2014 |
| | Risk-Based Removal Application [in accordance with 40 CFR 761.61(c)] | ARCADIS | 12/9/2013 | not applicable; implemented 40 CFR 761.61(a) |
| | Letter to USEPA [notice of intent to conduct a self-implemented cleanup of bulk remediation waste in accordance with 40 CFR 761.61(a)] | Pharmacia, LLC. | 1/30/2014 | USEPA acknowledged receipt 1/30/2014 |
| | 761.61(c) Support Technical Memorandum | ARCADIS | 6/13/2014 | included in Appendix 3 |
| | Offsite Soil Boring and Sampling Technical Memorandum | ARCADIS | 6/13/2014 | included in Appendix 3 |
| | Asphalt Sampling and Analytical Results Technical Memorandum | ARCADIS | 6/13/2014 | included in Appendix 3 |
| | **Second Work Plan** | Geosyntec | 3/3/2014 | -- |
| | Supplemental On-Site and Off-Site Soil, and Pavement Characterization Plan (Technical Memorandum) | Geosyntec | 3/31/2014 | 4/7/2014 |
| | Soil Removal and Grading Plan | Geosyntec | 9/30/2014 | 11/21/2014, 3/3/2015 |
| | Addendum #1 to Soil Removal and Grading Plan (Technical Memorandum) | Geosyntec | 10/27/2014 | 11/21/2014 |
| | Addendum #2 to Soil Removal and Grading Plan (Technical Memorandum) | Geosyntec | 2/20/2015 | 3/3/2015 |
| | Addendum #3 to Soil Removal and Grading Plan (Technical Memorandum) | Geosyntec | 7/30/2015 [4] | 8/21/2015 |
| 17, 19 | **Quality Assurance Project Plan (QAPP)** | ARCADIS | 5/28/2013 [5] | 12/5/2013 |
| | | Geosyntec | 2/11/2014 | 3/14/2014 |
| | Addendum #1 to QAPP (Memorandum) | Geosyntec | 12/30/2014 | 1/15/2015 |
| | **Field Sampling Plan (FSP)** | ARCADIS | 5/28/2013 | 7/3/2013 |
| 18 | **Project Health and Safety Plan (HASP)** | ARCADIS | 7/17/2013 [1] | 7/3/2013 |
| | | Geosyntec | 3/17/2014 [6] | 3/19/2014 |
| 20 | **Post-Removal Site Control Plan** | Geosyntec | 4/6/2018 [7] | 4/3/2018 |

*Notes:*

[1] date follows USEPA approval date as plan was revised based upon 7/3/2013 conditional approval by USEPA

[2] 9/12/2013 revision of 9/10/2013 memorandum based upon 9/11/2013 approval by USEPA

[3] as amended by 2/27/2014 email correspondence with USEPA

[4] as amended by 8/12/2015 revised Attachment 1

[5] as amended 11/18/2013 and 12/2/2013

[6] as amended 3/20/2015

[7] date follows USEPA approval date as plan was revised based upon 4/3/18 conditional approval by USEPA

-- - information provided and/or referenced in subsequent plans approved by USEPA

AOC - Administrative Settlement Agreement and Order on Consent for Removal Action with the USEPA, dated 3/12/2013

PCB - polychlorinated biphenyl

USEPA - United States Environmental Protection Agency

**TABLE 2**

**CHRONOLOGICAL SUMMARY OF REMOVAL ACTION ACTIVITIES**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Removal Action Activity | Dates |
|---|---|
| Initial Site Stabilization, Clearing, and Waste Removal | June 2013 to November 2013 |
| Site Characterization | June 2013 to August 2014 |
| North and Mid-Central Storm Sewer Removal | September 2013 |
| Pre-Demolition Waste Removal | |
| Asbestos Abatement | January to May 2014 |
| Universal Waste/Regulated Building Material Removal | March to April 2014 |
| Pre-Demolition Site Work | |
| Utility Abandonment (natural gas and water) | April to May 2014 |
| On-Site Groundwater Monitoring Well Abandonment | April to June 2014 |
| Building Demolition | |
| Raze Building to Slab | May 2014 |
| Building Slab Removal | June to August 2014 |
| Office Lower Level | July 2014 |
| Tunnel System Decommissioning | |
| Water Removal, Treatment, and Disposal | July to August 2014 |
| Tunnel Structure Removal | July to August 2014 |
| Interim Stabilization and Pre-Soil Removal Activities | August 2014 to April 2015 |
| Soil Removal | |
| Off-Site PCB and CVOC-Impacted Soil | April to July 2015 |
| On-Site PCB-Impacted Soil | April to July 2015 |
| On-Site CVOC-Impacted Soil | May 2015 |
| Post-Excavation Verification Sampling and Analysis | April to July 2015 |
| Building Foundation Removal | April to July 2015 |
| Pavement Removal | June to August 2015 |
| Remnant Sewer/Piping and UST Removal | May to July 2015 |
| Grading and Capping | |
| Soil Removal Area Backfilling | May to June 2015 |
| Cap Subgrade Construction | July to August 2015 |
| Cap Construction | July to September 2015 |
| Vegetative Cover | |
| Seeding, Fertilizing, and Mulching | September 2015 |
| Final Stabilization | July 2016 |

*Notes:*

CVOC - chlorinated volatile organic compound

PCB - polychlorinated biphenyl

UST - underground storage tank

**TABLE 3**

**PERMITS AND NOTIFICATIONS**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Permit/Notification | Number | Issuing Entity | Applicant | Date |
|---|---|---|---|---|
| **North and Mid-Central Storm Sewer Removal** | | | | |
| Plumbing - Seal/Abandon Permit | 1087132 | City of Milwaukee[1] | JM Brennan | 9/11/2013 |
| Hydrant Permit | 13-356 | City of Milwaukee[1] | Brandenburg | 9/16/2013 |
| **Demolition and Tunnel Removal** | | | | |
| Asbestos Abatement | | | | |
| Asbestos Project Work Sheet | -- | City of Milwaukee[2] | Balestrieri | 1/7/2014 |
| WDHS Occupant Protection Plan | -- | WDHS [3] | Balestrieri | 1/7/2014 |
| Asbestos Project Permit | 1099175 | City of Milwaukee[2] | Balestrieri | 1/9/2014 |
| Permit Renewal | 1099175 | City of Milwaukee[2] | Balestrieri | 1/29/2014 |
| Permit Renewal | 1099175 | City of Milwaukee[2] | Balestrieri | 2/13/2014 |
| Permit Renewal | 1099175 | City of Milwaukee[2] | Balestrieri | 2/21/2014 |
| Permit Renewal | 1099175 | City of Milwaukee[2] | Balestrieri | 3/3/2014 |
| Permit Renewal | 1099175 | City of Milwaukee[2] | Balestrieri | 3/7/2014 |
| Permit Renewal | 1099175 | City of Milwaukee[2] | Balestrieri | 3/25/2014 |
| Asbestos Project Permit | 1111290 | City of Milwaukee[2] | Integrity | 5/12/2014 |
| Permit Renewal | 1111290 | City of Milwaukee[2] | Integrity | 5/19/2014 |
| Notification for Demolition and/or Renovation and Application for Permit Exemption | | | | |
| Original Notification | 1388-01 / 14-1657 | WDNR[4] | Balestrieri | 1/6/2014 |
| Revised / Updated Notification | 1388-01 / 14-1657 | WDNR[4] | Balestrieri | 1/7/2014 |
| Revised / Updated Notification | 1388-01 / 14-1657 | WDNR[4] | Balestrieri | 1/27/2014 |
| Revised / Updated Notification | 1388-01 / 14-1657 | WDNR[4] | Balestrieri | 2/12/2014 |
| Revised / Updated Notification | 1388-01 / 14-1657 | WDNR[4] | Balestrieri | 2/20/2014 |
| Revised / Updated Notification | 1388-01 / 14-1657 | WDNR[4] | Balestrieri | 2/28/2014 |
| Revised / Updated Notification | 1388-01 / 14-1657 | WDNR[4] | Balestrieri | 3/14/2014 |
| Revised / Updated Notification | 1388-01 / 14-1657 | WDNR[4] | Balestrieri | 3/19/2014 |
| Revised / Updated Notification | 1388-01 / 14-1657 | WDNR[4] | Balestrieri | 3/20/2014 |
| Revised / Updated Notification | 1388-01 / 14-1657 | WDNR[4] | Balestrieri | 4/9/2014 |
| Revised / Updated Notification | 1388-01 / 14-1657 | WDNR[4] | Balestrieri | 4/14/2014 |
| Revised / Updated Notification | 1388-01 / 14-1657 | WDNR[4] | Balestrieri | 4/17/2014 |
| Revised / Updated Notification | 1388-01 / 14-1657 | WDNR[4] | Balestrieri | 5/9/2014 |
| Revised / Updated Notification | 1388-01 / 14-1657 | WDNR[4] | Balestrieri | 5/29/2014 |
| Raze and Erosion Control Permit | | | | |
| Application | -- | City of Milwaukee[1] | DeNovo | 4/30/2014 |
| Raze Permit | 1109291 | City of Milwaukee[1] | DeNovo | 5/1/2014 |
| Erosion Control Permit | 1109292 | City of Milwaukee[1] | DeNovo | 5/1/2014 |
| Plumbing - Seal/Abandon Permit (Water Utility) | 1104645 | City of Milwaukee[1] | DeNovo | 5/7/2014 |
| Public Way Occupancy Permit (Sidewalk Closure) | 201410-0122 | City of Milwaukee[1] | DeNovo | 4/30/2014 |
| Utility Disconnection Verification | | | | |
| Natural Gas Service | -- | We Energies | DeNovo | 4/29/2014 |
| Electrical Service | -- | We Energies | DeNovo | 4/30/2014 |
| Construction Storm Water Runoff | | | | |
| Water Resources Application for Project Permits | -- | WDNR[5] | DeNovo / RACM | 4/7/2014 |
| WPDES General Permit | WI-S067831-04 / 50424 | WDNR[5] | DeNovo / RACM | 4/10/2014 |
| **Soil Removal and Grading** | | | | |
| Erosion Control Permit | -- | City of Milwaukee[1] | DeNovo | 2/23/2015 |
| Hydrant Permit | 15-126 | City of Milwaukee[1] | DeNovo | 3/25/2015 |
| Public Way Occupancy Permit (Sidewalk Closure) | 201507-0310 | City of Milwaukee[1] | DeNovo | 3/27/2015 |
| Public Way Special Permit (Curb and Gutter Replacement) | 201518-0437 | City of Milwaukee[1] | DeNovo | 3/27/2015 |
| Building / Filling and Grading Permit | 1141102 | City of Milwaukee[1] | DeNovo | 4/7/2015 |
| Construction Storm Water Runoff | | | | |
| Water Resources Application for Project Permits | -- | WDNR[5] | Geosyntec / RACM | 2/6/2015 |
| WPDES General Permit | WI-S067831-04 / 52418 | WDNR[5] | Geosyntec / RACM | 3/4/2015 |
| Storage Tank Removal Permit | 1146154 | City of Milwaukee[1] | NSEC | 5/29/2015 |
| Post-Construction Storm Water Management | | | | |
| Request For Waiver | -- | City of Milwaukee[1] | Geosyntec | 1/26/2015 |
| Waiver Approval | -- | City of Milwaukee[1] | Geosyntec | 2/3/2015 |

*Notes:*

-- - not applicable

[1]City of Milwaukee Development Center

[2]City of Milwaukee Department of Neighborhood Services

[3]WDHS Bureau of Environmental & Occupational Health

[4]WDNR Bureau of Air Management

[5]WDNR Storm Water Management

NSEC - North Shore Environmental Contractors

RACM - Redevelopment Authority of the City of Milwaukee

WDHS - Wisconsin Department of Health Services

WDNR - Wisconsin Department of Natural Resources

WPDES - Wisconsin Pollutant Discharge Elimination System

**TABLE 4**

**SUMMARY OF AIR MONITORING RESULTS**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Date | Site Activities at Time of Alarm | Alarm Location | Alarm Type | Alarm Time | Reading ($\mu g/m^3$) | Cause | Resolution | Alarm Cleared Time |
|---|---|---|---|---|---|---|---|---|
| 9/17/2013 | north and mid-central storm sewer removal | northeast | warning | 9:54 | 262.1 | on-Site truck traffic | -- | -- |
| 9/17/2013 | | southeast | warning | 14:50 | 272.7 | on-Site truck traffic | -- | -- |
| 9/17/2013 | | southeast | exceedance | 14:50 | 521.6 | on-Site truck traffic | -- | -- |
| 4/3/2014 | pre-demolition | northeast | -- | 11:50 | 315.5 | air monitoring set-up | -- | -- |
| 5/16/2014 | demolition | northwest | exceedance | 13:28 | 805.9 | skid steer started near air monitor | moved skid steer away from air monitors | 13:58 |
| 5/19/2014 | | northwest | exceedance | 9:41 | 304.8 | haul truck parked near air monitor | kept haul trucks from parking near air monitor | 10:12 |
| 5/21/2014 | | southwest | exceedance | 8:25 | 307.7 | unknown cause | -- | 8:56 |
| 5/21/2014 | | east | exceedance | 15:46 | 330.7 | building demolition | sprayed building materials with water prior to demolition | 16:43 |
| 5/21/2014 | | east | exceedance | 18:12 | 560.9 | building demolition | sprayed building materials with water prior to demolition | 18:50 |
| 5/22/2014 | | east | -- | 7:33 | 313.8 | spider in inlet | removed spider | 8:09 |
| 5/23/2014 | | northwest | -- | 10:12 | 3225.4 | equipment malfunction | replaced equipment | -- |
| 5/23/2014 | | northwest | -- | 11:32 | 5261.1 | equipment malfunction | replaced equipment | 12:45 |
| 6/2/2014 | | east | warning | 16:17 | 280.7 | concrete breaking | stopped concrete breaking | -- |
| 6/3/2014 | | east | warning | 13:31 | 257.4 | concrete breaking | increased water usage for dust suppression | 14:01 |
| 6/5/2014 | | southwest | warning | 7:57 | 269.8 | demolition activities | increased water usage for dust suppression | 8:28 |
| 6/9/2015 | soil removal | southwest | exceedance | 12:03 | 500.4 | tubing adjustments | -- | 12:34 |
| 4/28/2015 | | west | exceedance | 8:11 | 369.9 | truck idling near air monitor | moved truck | 8:43 |
| 5/4/2015 | | west | exceedance | 11:33 | 302.3 | trucks driving over gravel | increased water usage for dust suppression | 12:05 |
| 5/4/2015 | | west | warning | 12:39 | 250.5 | trucks driving over gravel | increased water usage for dust suppression | 13:10 |
| 5/6/2015 | | south | warning | 10:27 | 256.1 | backfilling activities | increased water usage for dust suppression | -- |
| 5/7/2015 | | east | exceedance | 12:44 | 320.9 | skid steer operating near air monitor | re-positioned air monitor | 13:16 |
| 5/7/2015 | | east | warning | 15:23 | 262 | skid steer operating near air monitor | re-positioned air monitor | 15:57 |
| 5/8/2015 | | west | warning | 13:23 | 250.9 | trucks leaving site | increased water usage for dust suppression | 14:31 |
| 5/13/2015 | | north | -- | 12:04 | 706 | fly in inlet | removed fly | 13:20 |
| 5/13/2015 | | north | -- | 13:06 | 361 | | | 13:20 |
| 5/13/2015 | | north | -- | 14:23 | 313.5 | | | 14:55 |
| 5/18/2015 | | east | exceedance | 13:24 | 334.3 | backfilling activities | increased water usage for dust suppression | 14:59 |
| 5/19/2015 | | east | exceedance | 7:45 | 323.6 | backfilling activities | increased water usage for dust suppression | 8:16 |
| 5/21/2015 | | east | exceedance | 15:30 | 363.6 | backfilling activities | increased water usage for dust suppression | 16:02 |
| 6/1/2015 | | south | warning | 10:06 | 270 | concrete breaking | increased water usage for dust suppression | 1039 |
| 6/1/2015 | | south | exceedance | 10:06 | 335.7 | concrete breaking | increased water usage for dust suppression | 10:39 |
| 6/8/2015 | | south | exceedance | 10:00 | 302.9 | proximity of trucks and excavator to air monitor | -- | 10:31 |
| 6/8/2015 | | east | exceedance | 11:00 | 328.5 | backfilling activities | increased water usage for dust suppression | 11:38 |
| 6/8/2015 | | south | exceedance | 11:03 | 642.6 | proximity of trucks and excavator to air monitor | -- | 11:37 |
| 6/8/2015 | | south | exceedance | 12:04 | 304.1 | | | 12:45 |
| 6/8/2015 | | east | exceedance | 13:38 | 323.1 | backfilling activities | increased water usage for dust suppression | 14:10 |
| 6/8/2015 | | south | exceedance | 13:17 | 627 | proximity of trucks and excavator to air monitor | -- | 14:42 |
| 6/8/2015 | | south | exceedance | 14:10 | 300.9 | | -- | 14:42 |
| 6/16/2015 | | north | exceedance | 16:06 | 302 | proximity of excavator to air monitor | -- | 16:36 |
| 6/23/2015 | | west | exceedance | 11:08 | 349.9 | haul trucks driving over gravel | increased water usage for dust suppression | 11:41 |
| 7/10/2015 | | west | exceedance | 9:34 | 327.2 | loading concrete into trucks | increased water usage for dust suppression | 10:07 |

*Notes:*

-- - not applicable

$\mu g/m^3$ - micrograms per cubic meter

reading - particulates ($PM_{10}$)

exceedance - greater than action level to initiate dust suppression measures (300 $\mu g/m^3$)

**TABLE 5**

**SUMMARY OF EQUIPMENT DECONTAMINATION VERIFICATION SAMPLE ANALYTICAL RESULTS**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | MATERIAL | SAMPLE LOCATION | TOTAL PCBs [µg/100cm$^2$] |
|---|---|---|---|---|
| WS-EQ01-2014 | 3/17/2014 | AmeriGas heaters (red) | top of heater housing | 3.1 |
| WS-EQ02-2014 | | AmeriGas heaters (yellow) | top of heater housing | ND |
| WS-EQ03-2014 | | abatement decontamination shower | right side | ND |
| WS-EQ04-2014 | | HEPA vacuum (yellow cord) | -- | 1.4 |
| WS-EQ05-2014 | | HEPA vacuum (red cord) | -- | 4.9 |
| WS-EQ06-2014 | | negative air machine | top of housing | 0.83 |
| WS-EQ07-2014 | | negative air machine | top of housing | 0.62 |
| WS-EQ08-2014 | | ladder | first step | 0.67 |
| WS-EQ09-2014 | | water hoses | -- | 1.4 |
| WS-EQ10-2014 | 4/22/2014 | man lift (EQ# 1218783) | floor | 8.9 |
| WS-EQ11-2014 | | man lift (EQ# 646861RA) | floor | **14.3** |
| WS-EQ11A-2014 | 5/6/2014 | man lift (EQ# 646861RA) | floor | 6.1 |
| WS-EQ12-2014 | 4/24/2014 | skid steer | left front tire | ND |
| WS-EQ13-2014 | | | right rear tire | ND |
| WS-EQ14-2014 | | | bucket | 4.5 |
| WS-EQ15-2014 | | | cab floor | ND |
| WS-EQ16-2014 | | pressure washer | motor housing | 2.4 |
| WS-EQ17-2014 | | | hose/handle | 0.87 |
| WS-EQ18-2014 | | ladder | first step | 6.77 |
| WS-EQ19-2014 | | light tripod | bottom | 2.7 |
| WS-EQ20-2014 | 6/10/2014 | frac tank (#266356) | bottom | ND |
| WS-EQ21-2014 | | | stairs (side) | ND |
| WS-EQ22-2014 | | | left of stairs | ND |
| WS-EQ23-2014 | | | right of stairs | ND |
| WS-EQ24-2014 | | | opposite of stairs | ND |
| WS-EQ25-2014 | | frac tank (#265703) | bottom | ND |
| WS-EQ26-2014 | | | stairs (side) | ND |
| WS-EQ27-2014 | | | right of stairs | ND |
| WS-EQ28-2014 | | | left of stairs | ND |
| WS-EQ29-2014 | | | opposite of stairs | ND |
| WS-EQ30-2014 | 6/13/2014 | Liebherr excavator | processor | 2.4 |
| WS-EQ31-2014 | | | concrete breaker | 0.89 |
| WS-EQ32-2014 | | | bucket | **14.0** |
| WS-EQ32A-2014 | 7/1/2014 | | bucket | **20** |
| WS-EQ32B-2014 | 7/8/2014 | | bucket | 0.67 |
| WS-EQ33-2014 | 6/13/2014 | | right track | **12.79** |
| WS-EQ33A-2014 | 7/1/2014 | | right track | **16** |
| WS-EQ33B-2014 | 7/8/2014 | | right track | 2.5 |
| WS-EQ34-2014 | 6/13/2014 | | left track | **12.56** |
| WS-EQ34A-2014 | 7/1/2014 | | left track | **98** |
| WS-EQ34B-2014 | 7/8/2014 | | left track | ND |
| WS-EQ35-2014 | 6/13/2014 | | cab floor | 2.9 |
| WS-EQ36-2014 | 7/14/2014 | frac tank (#239426) | stairs (side) | ND |
| WS-EQ37-2014 | | | right of stairs | ND |
| WS-EQ38-2014 | | | opposite of stairs | ND |

*Notes:*
bold: PCB concentration ≥ 10 µg/100cm$^2$; materials with exceedances were re-cleaned and re-sampled
-- - not applicable
ND - not detected (refer to laboratory reports in Appendix 5 for reporting/detection limits and for data qualifiers)
PCBs - polychlorinated biphenyls
µg/100cm$^2$ - micrograms per 100 square centimeters

**TABLE 5**

**SUMMARY OF EQUIPMENT DECONTAMINATION VERIFICATION SAMPLE ANALYTICAL RESULTS**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | MATERIAL | SAMPLE LOCATION | TOTAL PCBs [µg/100cm$^2$] |
|---|---|---|---|---|
| WS-EQ39-2014 | 7/14/2014 | frac tank (#239426) | left of stairs | ND |
| WS-EQ40-2014 | | | bottom | ND |
| WS-EQ41-2014 | | frac tank (#239718) | stairs (side) | ND |
| WS-EQ42-2014 | | | right of stairs | ND |
| WS-EQ43-2014 | | | opposite of stairs | ND |
| WS-EQ44-2014 | | | left of stairs | ND |
| WS-EQ45-2014 | | | bottom | ND |
| WS-EQ46-2014 | 7/25/2014 | frac tank (#265001) | stairs (side) | 0.54 |
| WS-EQ47-2014 | | | right of stairs | ND |
| WS-EQ48-2014 | | | left of stairs | ND |
| WS-EQ49-2014 | | | opposite of stairs | ND |
| WS-EQ50-2014 | | | bottom | ND |
| WS-EQ51-2014 | | frac tank (#239498) | stairs (side) | ND |
| WS-EQ52-2014 | | | right of stairs | ND |
| WS-EQ53-2014 | | | left of stairs | ND |
| WS-EQ54-2014 | | | opposite of stairs | ND |
| WS-EQ55-2014 | | | bottom | ND |
| WS-EQ56-2014 | | frac tank (#254242) | stairs (side) | ND |
| WS-EQ57-2014 | | | right of stairs | ND |
| WS-EQ58-2014 | | | left of stairs | ND |
| WS-EQ59-2014 | | | opposite of stairs | ND |
| WS-EQ60-2014 | | | bottom | ND |
| WS-EQ61-2014 | | frac tank (#239011) | stairs (side) | ND |
| WS-EQ62-2014 | | | right of stairs | ND |
| WS-EQ63-2014 | | | left of stairs | ND |
| WS-EQ64-2014 | | | opposite of stairs | ND |
| WS-EQ65-2014 | | | bottom | ND |
| WS-EQ66-2014 | 8/4/2014 | storm water treatment system | tank 1 | ND |
| WS-EQ67-2014 | | | tank 2 | ND |
| WS-EQ68-2014 | | | filter (1974) | ND |
| WS-EQ69-2014 | | | filter (1975) | ND |
| WS-EQ70-2014 | | | blue sediment filter | ND |
| WS-EQ71-2014 | | | yellow sediment filter | ND |
| WS-EQ72-2014 | 8/15/2014 | tunnel water treatment system (weir tank) | west wall | 3.8 |
| WS-EQ73-2014 | | | north wall | 4.5 |
| WS-EQ74-2014 | | | south wall | ND |
| WS-EQ75-2014 | | | east wall | **27.9** |
| WS-EQ75A-2014 | 8/28/2014 | | east wall | 3.6 |
| WS-EQ76-2014 | 8/15/2014 | | floor | 2.3 |
| WS-EQ77-2014 | 8/20/2014 | Liebherr 946 excavator | bucket | **10.65** |
| WS-EQ77A-2014 | 8/28/2014 | | bucket | 4.3 |
| WS-EQ78-2014 | 8/20/2014 | | left track | 7.78 |
| WS-EQ79-2014 | | | right track | 3.2 |
| WS-EQ80-2014 | | | cab floor | 0.62 |
| WS-EQ81-2014 | | excavator hammer attachment | hammer | 0.82 |

*Notes:*

bold: PCB concentration ≥ 10 µg/100cm$^2$; materials with exceedances were re-cleaned and re-sampled

-- - not applicable

ND - not detected (refer to laboratory reports in Appendix 5 for reporting/detection limits and for data qualifiers)

PCBs - polychlorinated biphenyls

µg/100cm$^2$ - micrograms per 100 square centimeters

**TABLE 5**

**SUMMARY OF EQUIPMENT DECONTAMINATION VERIFICATION SAMPLE ANALYTICAL RESULTS**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | MATERIAL | SAMPLE LOCATION | TOTAL PCBs [µg/100cm$^2$] |
|---|---|---|---|---|
| WS-EQ82-2014 | 8/20/2014 | Rain For Rent pump | pump inlet | **115** |
| WS-EQ82A-2014 | 8/28/2014 | | pump inlet | **320** |
| WS-EQ82B-2014 | 11/3/2014 | | pump inlet | **21.1** |
| WS-EQ82C-2014 | 11/13/2014 | | pump inlet | 0.89 |
| WS-EQ83-2014 | 8/20/2014 | | pump outlet | **31.6** |
| WS-EQ83A-2014 | 8/28/2014 | | pump outlet | **204** |
| WS-EQ83B-2014 | 11/3/2014 | | pump outlet | 5.32 |
| WS-EQ84-2014 | 8/20/2014 | excavator grapple attachment | grapple | ND |
| WS-EQ85-2014 | 8/21/2014 | frac tank (#2396509) | north wall | ND |
| WS-EQ86-2014 | | | west wall | ND |
| WS-EQ87-2014 | | | east wall | ND |
| WS-EQ88-2014 | | | south wall | ND |
| WS-EQ89-2014 | | | floor | ND |
| WS-EQ90-2014 | | frac tank (#239804) | north wall | ND |
| WS-EQ91-2014 | | | west wall | 0.65 |
| WS-EQ92-2014 | | | east wall | ND |
| WS-EQ93-2014 | | | south wall | ND |
| WS-EQ94-2014 | | | floor | ND |
| WS-EQ95-2014 | | frac tank (#256563) | north wall | ND |
| WS-EQ96-2014 | | | west wall | ND |
| WS-EQ97-2014 | | | north wall | ND |
| WS-EQ98-2014 | | | south wall | ND |
| WS-EQ99-2014 | | | floor | ND |
| WS-EQ100-2014 | | frac tank (#266356) | north wall | ND |
| WS-EQ101-2014 | | | west wall | ND |
| WS-EQ102-2014 | | | east wall | ND |
| WS-EQ103-2014 | | | south wall | ND |
| WS-EQ104-2014 | | | floor | ND |
| WS-EQ105-2014 | | frac tank (#266356) | north wall | ND |
| WS-EQ106-2014 | | | west wall | ND |
| WS-EQ107-2014 | | | east wall | ND |
| WS-EQ108-2014 | | | south wall | ND |
| WS-EQ109-2014 | | | floor | ND |
| WS-EQ110-2014 | | John Deere 350D excavator | crusher | 0.65 |
| WS-EQ111-2014 | | | left track | ND |
| WS-EQ112-2014 | | | right track | ND |
| WS-EQ113-2014 | | | cab floor | 0.87 |
| WS-EQ114-2014 | 8/22/2014 | ProAct treatment trailer (tunnel water treatment system) | carbon vessel #120A | ND |
| WS-EQ115-2014 | | | carbon vessel #120B | 1.2 |
| WS-EQ116-2014 | | | carbon vessel #120C | ND |
| WS-EQ117-2014 | | | carbon vessel #120D | ND |
| WS-EQ118-2014 | | | oil/water separator | ND |
| WS-EQ119-2014 | 9/4/2014 | John Deere excavator | bucket | 0.7 |
| WS-EQ120-2014 | | | cab floor | 2.3 |
| WS-EQ121-2014 | | | left track | ND |
| WS-EQ122-2014 | | | right track | 0.58 |

*Notes:*
bold: PCB concentration ≥ 10 µg/100cm$^2$; materials with exceedances were re-cleaned and re-sampled
-- - not applicable
ND - not detected (refer to laboratory reports in Appendix 5 for reporting/detection limits and for data qualifiers)
PCBs - polychlorinated biphenyls
µg/100cm$^2$ - micrograms per 100 square centimeters

**TABLE 5**

**SUMMARY OF EQUIPMENT DECONTAMINATION VERIFICATION SAMPLE ANALYTICAL RESULTS**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | MATERIAL/EQUIPMENT | SAMPLE LOCATION | TOTAL PCBs [µg/100cm$^2$] |
|---|---|---|---|---|
| WS-EQ001-2015 | 5/18/2015 | mini-excavator | bucket | ND |
| WS-EQ002-2015 | 5/18/2015 | mini-excavator (308) | bucket | ND |
| WS-EQ003-2015 | 5/18/2015 | | cab floor | 1.1 |
| WS-EQ004-2015 | 5/18/2015 | | right track | 7.9 |
| WS-EQ005-2015 | 5/18/2015 | | left track | **16.5** |
| WS-EQ005A-2015 | 5/22/2015 | | left track | 3.5 |
| WS-EQ006-2015 | 7/1/2015 | excavator (John Deere) | bucket | ND |
| WS-EQ007-2015 | 7/1/2015 | | right track | 0.89 |
| WS-EQ008-2015 | 7/1/2015 | | left track | ND |
| WS-EQ009-2015 | 7/1/2015 | | cab floor | ND |
| WS-EQ010-2015 | 7/9/2015 | weir tank #A26910TW | south | ND |
| WS-EQ011-2015 | 7/9/2015 | | north | ND |
| WS-EQ012-2015 | 7/9/2015 | | east | ND |
| WS-EQ013-2015 | 7/9/2015 | | west | 0.52 |
| WS-EQ014-2015 | 7/9/2015 | | bottom | 0.99 |
| WS-EQ015-2015 | 7/9/2015 | concrete breaker | breaker | ND |
| WS-EQ016-2015 | 7/9/2015 | | upper housing | ND |
| WS-EQ017-2015 | 7/9/2015 | snaggle tooth bucket | bucket | 0.85 |
| WS-EQ018-2015 | 7/10/2015 | pump (United Rental) | outlet/check valve | ND |
| WS-EQ019-2015 | 7/10/2015 | | inlet | ND |
| WS-EQ020-2015 | 7/10/2015 | pump (Honda) | pump housing | ND |
| WS-EQ021-2015 | 7/10/2015 | pump (Powerhouse) | pump housing | 1.4 |
| WS-EQ022-2015 | 7/10/2015 | filter screen (Adler) | #1 | ND |
| WS-EQ023-2015 | 7/10/2015 | | #2 | ND |
| WS-EQ024-2015 | 7/10/2015 | filter housing (Adler) | #1003 | 1.0 |
| WS-EQ025-2015 | 7/10/2015 | | #1001 | 0.92 |
| WS-EQ026-2015 | 7/13/2015 | pump (United Rental - serial #NPPD.60.3131) | inlet | ND |
| WS-EQ027-2015 | 7/13/2015 | | outlet | ND |
| WS-EQ028-2015 | 7/21/2015 | excavator (Caterpillar 336F - non-GPS) | bucket | ND |
| WS-EQ029-2015 | 7/21/2015 | | left track | **23.9** |
| WS-EQ029A-2015 | 7/28/2015 | | left track | 4.3 |
| WS-EQ030-2015 | 7/21/2015 | | right track | **11.4** |
| WS-EQ030A-2015 | 7/28/2015 | | right track | 4.1 |
| WS-EQ031-2015 | 7/21/2015 | | cab floor | ND |
| WS-EQ032-2015 | 7/23/2015 | frac tank (#A4680) | north | 0.75 |
| WS-EQ033-2015 | 7/23/2015 | | west | 0.83 |
| WS-EQ034-2015 | 7/23/2015 | | east | 0.63 |
| WS-EQ035-2015 | 7/23/2015 | | south | 0.51 |
| WS-EQ036-2015 | 7/23/2015 | | bottom | 1.2 |
| WS-EQ037-2015 | 7/23/2015 | frac tank (#A5675IM) | north | 1.7 |
| WS-EQ038-2015 | 7/23/2015 | | west | ND |
| WS-EQ039-2015 | 7/23/2015 | | east | 0.65 |
| WS-EQ040-2015 | 7/23/2015 | | south | ND |
| WS-EQ041-2015 | 7/23/2015 | | bottom | 2.0 |

*Notes:*

bold: PCB concentration ≥ 10 µg/100cm$^2$; materials with exceedances were re-cleaned and re-sampled

-- - not applicable

ND - not detected (refer to laboratory reports in Appendix 5 for reporting/detection limits and for data qualifiers)

PCBs - polychlorinated biphenyls

µg/100cm$^2$ - micrograms per 100 square centimeters

**TABLE 5**

**SUMMARY OF EQUIPMENT DECONTAMINATION VERIFICATION SAMPLE ANALYTICAL RESULTS**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | MATERIAL/EQUIPMENT | SAMPLE LOCATION | TOTAL PCBs [µg/100cm$^2$] |
|---|---|---|---|---|
| WS-EQ042-2015 | 7/27/2015 | frac tank (#A5029IM) | north | 0.48 |
| WS-EQ043-2015 | 7/27/2015 | | west | 1.5 |
| WS-EQ044-2015 | 7/27/2015 | | east | 1.9 |
| WS-EQ045-2015 | 7/27/2015 | | south | 1.0 |
| WS-EQ046-2015 | 7/27/2015 | | bottom | 0.47 |
| WS-EQ047-2015 | 8/3/2015 | frac tank (#A2567) | north | 0.31 |
| WS-EQ048-2015 | 8/3/2015 | | west | 0.28 |
| WS-EQ049-2015 | 8/3/2015 | | east | 0.38 |
| WS-EQ050-2015 | 8/3/2015 | | south | ND |
| WS-EQ051-2015 | 8/3/2015 | | bottom | 0.18 |
| WS-EQ052-2015 | 8/3/2015 | frac tank (#A875) | north | ND |
| WS-EQ053-2015 | 8/3/2015 | | west | ND |
| WS-EQ054-2015 | 8/3/2015 | | east | ND |
| WS-EQ055-2015 | 8/3/2015 | | south | ND |
| WS-EQ056-2015 | 8/3/2015 | | bottom | ND |
| WS-EQ057-2015 | 8/13/2015 | Morooka | bed | 0.66 |
| WS-EQ058-2015 | 8/13/2015 | | right track wheel | 0.27 |
| WS-EQ059-2015 | 8/13/2015 | | left track wheel | 0.16 |
| WS-EQ060-2015 | 8/13/2015 | | cab floor | 0.10 |
| WS-EQ061-2015 | 8/13/2015 | excavator (Caterpillar 336F - GPS) | bucket | 0.19 |
| WS-EQ062-2015 | 8/13/2015 | | left track | **64** |
| WS-EQ062A-2015 | 8/19/2015 | | left track | ND |
| WS-EQ063-2015 | 8/13/2015 | | right track | **16** |
| WS-EQ063A-2015 | 8/19/2015 | | right track | ND |
| WS-EQ064-2015 | 8/13/2015 | | cab floor | 1.3 |
| WS-EQ065-2015 | 8/14/2015 | compactor | cab floor | ND |
| WS-EQ066-2015 | 8/14/2015 | | blade | ND |
| WS-EQ067-2015 | 8/14/2015 | | roller | ND |
| WS-EQ068-2015 | 8/14/2015 | dozer (non-GPS) | cab floor | ND |
| WS-EQ069-2015 | 8/14/2015 | | blade | ND |
| WS-EQ070-2015 | 8/14/2015 | | left track | ND |
| WS-EQ071-2015 | 8/14/2015 | | right track | ND |
| WS-EQ072-2015 | 8/14/2015 | skid steer | cab floor | ND |
| WS-EQ073-2015 | 8/14/2015 | | bucket | ND |
| WS-EQ074-2015 | 8/14/2015 | | left track | 0.66 |
| WS-EQ075-2015 | 8/14/2015 | | right track | 0.36 |
| WS-EQ076-2015 | 8/19/2015 | dozer (GPS) | cab floor | ND |
| WS-EQ077-2015 | 8/19/2015 | | blade | ND |
| WS-EQ078-2015 | 8/19/2015 | | left track | ND |
| WS-EQ079-2015 | 8/19/2015 | | right track | ND |

*Notes:*

bold: PCB concentration ≥ 10 µg/100cm$^2$; materials with exceedances were re-cleaned and re-sampled

-- - not applicable

ND - not detected (refer to laboratory reports in Appendix 5 for reporting/detection limits and for data qualifiers)

PCBs - polychlorinated biphenyls

µg/100cm$^2$ - micrograms per 100 square centimeters

**TABLE 6A**

**SUMMARY OF SUPPLEMENTAL BUILDING MATERIAL CHARACTERIZATION SAMPLE ANALYTICAL RESULTS - BULK SAMPLES**
**(NOT PREVIOUSLY PRESENTED IN A PROJECT DOCUMENT)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | MATERIAL TYPE | SAMPLE LOCATION | | TOTAL PCBs [mg/kg] | TCLP PCBs (TOTAL) [mg/l] | TCLP Lead [mg/l] |
|---|---|---|---|---|---|---|---|
| CS-01-2014 | 1/10/2014 | concrete floor | office area - lower level | men's locker room | 16.6 | -- | -- |
| CS-02-2014 | 1/10/2014 | concrete block wall | office area - lower level | men's locker room | 2.76 | -- | -- |
| CS-03-2014 | 1/10/2014 | concrete floor | office area - lower level | women's locker room | 28.74 | -- | -- |
| CS-04-2014 | 1/10/2014 | concrete block wall | office area - lower level | women's locker room | 2.88 | -- | -- |
| BMS-01-2014 | 1/10/2014 | brown/red floor tile (under carpet) | office area - upper level | central portion | 3.36 | -- | -- |
| BMS-02-2014 | 1/10/2014 | brown/red floor tile (under carpet) | office area - upper level | entry area from trimming room | 25.1 | -- | -- |
| BMS-03-2014 | 1/10/2014 | white drop ceiling material | office area - upper level | north portion | 4.07 | -- | -- |
| BMS-04-2014 | 1/10/2014 | white drop ceiling material | office area - upper level | south portion | 1.34 | -- | -- |
| BMS-05-2014 | 1/10/2014 | white wall covering (wall paper) | office area - upper level | south portion (interior wall) | **169.9** | -- | -- |
| BMS-06-2014 | 1/10/2014 | tan wall covering (wall paper) | office area - upper level | north portion (east wall) | **220.9** | -- | -- |
| BMS-07-2014 | 1/10/2014 | gray/white wall plaster/masonry (under wall covering) | office area - upper level | entry area from trimming room | 3.21 | -- | -- |
| BMS-08-2014 | 1/10/2014 | gray/white wall plaster/masonry (under wall covering) | office area - upper level | south portion (interior wall) | 0.495 | -- | -- |
| BMS-09-2014 | 1/20/2014 | friable ACM pipe insulation | boiler room | northeast portion | 2.53 | -- | -- |
| BMS-10-2014 | 1/20/2014 | friable ACM tank/pipe insulation | boiler room | northeast portion | 3.07 | -- | -- |
| BMS-11-2014 | 1/20/2014 | non-friable ACM floor tile | office area - lower level | cafeteria | 8.4 | -- | -- |
| BMS-12-2014 | 1/20/2014 | transite fascia/soffit | building exterior | southwest portion | 0.021 | -- | -- |
| BMS-13-2014 | 2/20/2014 | cement board/transite | building interior (die cast area) | west wall (upper) | 31 | -- | -- |

*Notes:*
bold: PCB concentration ≥ 50 mg/kg
boxed: concentration exceeds Toxicity Characteristic Regulatory Level (lead > 5 mg/l)
refer to laboratory reports in Appendix 5 for data qualifiers
-- - not analyzed
* refer to laboratory report in Appendix 5 for additional waste characterization analytical results
ACM - asbestos containing material
mg/kg - milligrams per kilogram
mg/l - milligrams per liter
PCBs - polychlorinated biphenyls
TCLP - Toxicity Characteristic Leaching Procedure

**TABLE 6A**

**SUMMARY OF SUPPLEMENTAL BUILDING MATERIAL CHARACTERIZATION SAMPLE ANALYTICAL RESULTS - BULK SAMPLES**
**(NOT PREVIOUSLY PRESENTED IN A PROJECT DOCUMENT)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | MATERIAL TYPE | SAMPLE LOCATION | | TOTAL PCBs [mg/kg] | TCLP PCBs (TOTAL) [mg/l] | TCLP Lead [mg/l] |
|---|---|---|---|---|---|---|---|
| WC-03-2014* | 3/5/2014 | boiler room floor waste | boiler room | floor | 14.8 | -- | -- |
| PT-06A-2013 | 3/12/2014 | red paint on concrete floor | office area - lower level | men's locker room | -- | 0.0032 | 0.092 |
| PT-09A-2013 | 3/12/2014 | brown paint on concrete block | trimming room | southeast bathroom | -- | <0.0025 | -- |
| PT-10A-2013 | 3/12/2014 | dark green paint on concrete block | trimming room | southeast bathroom | -- | 0.0029 | 3.2 |
| CK-01A-2013 | 3/12/2014 | window glazing | trimming room | southwest office | -- | <0.0025 | -- |
| CK-08A-2013 | 3/12/2014 | window glazing | office area - upper level | northwest foyer | -- | <0.0025 | -- |
| PT-11A-2013 | 3/13/2014 | light green paint on concrete block | trimming room | southeast bathroom | -- | 0.0028 | 29.1 |
| PT-12A-2013 | 3/13/2014 | yellow paint on metal (handrails, stairs, deck) | die cast area | southeast portion | -- | -- | 54.9 |
| PT-18A-2013 | 3/13/2014 | yellow paint on steel beams | die cast area | central portion | -- | 0.0016 | 20.2 |
| CK-06A-2013 | 3/13/2014 | window glazing | die cast area | southwest interior window | -- | 0.0030 | -- |
| BMS-14-2014 | 4/16/2014 | built-up roof | office area | zone 1 | 1.2 | -- | -- |
| BMS-15-2014 | 4/16/2014 | built-up roof | trimming room (north) | zone 2 | 3.6 | -- | -- |
| BMS-16-2014 | 4/16/2014 | built-up roof | trimming room (central/south) | zone 3 | 0.51 | -- | -- |
| BMS-17-2014 | 4/16/2014 | built-up roof | die cast area (north) | zone 4 | 3.7 | -- | -- |
| BMS-18-2014 | 4/16/2014 | built-up roof | die cast area (central/south) | zone 5 | 44 | -- | -- |
| BMS-18A-2014 | 5/13/2014 | built-up roof | die cast area (central/south) | zone 5 | 20 | -- | -- |
| BMS-18B-2014 | 5/13/2014 | built-up roof | die cast area (central/south) | zone 5 | 5.27 | -- | -- |
| BMS-18C-2014 | 5/13/2014 | built-up roof | die cast area (central/south) | zone 5 | 18 | -- | -- |

*Notes:*
bold: PCB concentration ≥ 50 mg/kg
boxed: concentration exceeds Toxicity Characteristic Regulatory Level (lead > 5 mg/l)
refer to laboratory reports in Appendix 5 for data qualifiers
-- - not analyzed
* refer to laboratory report in Appendix 5 for additional waste characterization analytical results
ACM - asbestos containing material
mg/kg - milligrams per kilogram
mg/l - milligrams per liter
PCBs - polychlorinated biphenyls
TCLP - Toxicity Characteristic Leaching Procedure

**TABLE 6B**

**SUMMARY OF SUPPLEMENTAL BUILDING MATERIAL CHARACTERIZATION SAMPLE ANALYTICAL RESULTS - WIPE SAMPLES (NOT PREVIOUSLY PRESENTED IN A PROJECT DOCUMENT)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | MATERIAL | SAMPLE LOCATION | TOTAL PCBs [µg/100cm$^2$] |
|---|---|---|---|---|
| WS-01-2014 | 2/19/2014 | metal electrical buss | southeast corner of trimming room | ND |
| WS-02-2014 | | metal electrical buss | southwest corner of trimming room | 4.5 |
| WS-03-2014 | | metal electrical buss | north side of trimming room | 0.66 |
| WS-04-2014 | 3/10/2014 | desk | office debris area | ND |
| WS-05-2014 | | desk | office debris area | 4.81 |
| WS-06-2014 | | light table | office debris area | 3.2 |
| WS-07-2014 | | refrigerator | south of office debris area | ND |
| WS-08-2014 | | air conditioner | office debris area | **462** |
| WS-09-2014 | | air conditioner | office debris area | 4.4 |
| WS-10-2014 | | air conditioner | office debris area | 2.5 |
| WS-11-2014 | | desk | trimming room/central office | 2.1 |
| WS-12-2014 | | shelf | trimming room/central office | 4.32 |
| WS-13-2014 | | desk | trimming room/central office | 7.6 |
| WS-14-2014 | | shelf | trimming room/central office | 3.1 |
| WS-15-2014 | | desk | near southeast trimming room office | 3.2 |
| WS-16-2014 | | snow blower | east of trimming room/central office | 39.5 |
| WS-17-2014 | | shelf | north side trimming room/central office | 51.4 |
| WS-18-2014 | | air conditioner | near southeast trimming room office | 3.8 |
| WS-19-2014 | | forklift | east/central trimming room | 22.8 |
| WS-20-2014 | | red equipment on forklift forks | east/central trimming room | 66.1 |
| WS-21-2014 | | propane tanks | southern trimming room | 11.7 |
| WS-22-2014 | | propane tanks | southern trimming room | 16.7 |
| WS-23-2014 | | trailer | east/central trimming room | 24.6 |
| WS-24-2014 | | nitrogen tank | northwest trimming room | 6.9 |
| WS-25-2014 | | file cabinet | cafeteria/first aid room | ND |
| WS-26-2014 | | desk | cafeteria/first aid room | 1.7 |
| WS-27-2014 | | safe | office area | ND |
| WS-28-2014 | | man door | between die cast area and trimming room/west central | 7.0 |
| WS-29-2014 | | overhead door | northwest die cast area/northeast trimming room | 4.2 |
| WS-30-2014 | | overhead door | northeast die cast area | 31.7 |
| WS-31-2014 | | overhead door/exterior | southeast trimming room loading dock | 1.0 |
| WS-32-2014 | | man door | northwest die cast area | 3.7 |
| WS-33-2014 | | overhead door | northwest die cast area | 26.0 |
| WS-34-2014 | 3/11/2014 | man door | northeast trimming room | 1.9 |
| WS-35-2014 | | man door | northern door in southeast die cast area | 6.5 |
| WS-36-2014 | | man door | southern door in northeast die cast area | 13.9 |
| WS-37-2014 | | tank | east central die cast area | **191** |
| WS-38-2014 | | tank | east central die cast area | **242** |
| WS-39-2014 | | nitrogen tank | southeast die cast area | 52.4 |
| WS-40-2014 | | nitrogen tank | southeast die cast area | **108** |
| WS-41-2014 | | air conditioner | southeast die cast area office | 4.7 |
| WS-42-2014 | | orange drum/material dolly | southwest die cast area (within enclosure) | 84.7 |
| WS-43-2014 | | overhead door | southern die cast area/northern door facing west | 31.5 |
| WS-44-2014 | | overhead door | southwest die cast area/door facing west | 28.1 |
| WS-45-2014 | | electrical panel housing | southern die cast area | **465** |
| WS-46-2014 | | electrical panel housing | southern die cast area | 7.5 |
| WS-47-2014 | | man door | northeast die cast area | 8.5 |
| WS-49-2014 | | benz-oil tank | northeast die cast area/tank ID V80087I | **171** |
| WS-50-2014 | | benz-oil tank | northeast die cast area/tank ID V300I54 | 16.8 |
| WS-51-2014 | | loading dock | northeast die cast area | **260** |

*Notes:*
bold: PCB concentration ≥ 100 µg/100cm$^2$
-- - not applicable
ND - not detected (refer to laboratory reports in Appendix 5 for reporting/detection limits and for data qualifiers)
PCBs - polychlorinated biphenyls
µg/100cm$^2$ - micrograms per 100 square centimeters

**TABLE 6B**

**SUMMARY OF SUPPLEMENTAL BUILDING MATERIAL CHARACTERIZATION SAMPLE ANALYTICAL RESULTS - WIPE SAMPLES (NOT PREVIOUSLY PRESENTED IN A PROJECT DOCUMENT)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | MATERIAL | SAMPLE LOCATION | TOTAL PCBs [µg/100cm$^2$] |
|---|---|---|---|---|
| WS-52-2014 | 3/11/2014 | metal wall | west central die cast area | 47.6 |
| WS-53-2014 | | overhead door | west central die cast area | **215.3** |
| WS-54-2014 | | loading dock | southeast trimming room loading dock | 57 |
| WS-55-2014 | | desk | east die cast area office | 39.7 |
| WS-56-2014 | 4/3/2014 | air conditioner | office debris area | 0.91 |
| WS-57-2014 | | air conditioner | office debris area | **327** |
| WS-58-2014 | | air conditioner | office debris area | 9.65 |
| WS-59-2014 | | air conditioner | office debris area | 9.0 |
| WS-60-2014 | | air conditioner | office debris area | 0.94 |
| WS-61-2014 | | air conditioner | office debris area | 12.9 |
| WS-62-2014 | | air conditioner | office debris area | 0.56 |
| WS-63-2014 | | air conditioner | office debris area | ND |
| WS-64-2014 | | fire extinguisher | -- | 5.1 |
| WS-65-2014 | | fire extinguisher | -- | 3.5 |
| WS-66-2014 | | fire extinguisher | -- | 2.2 |
| WS-67-2014 | | fire extinguisher | -- | 11.1 |
| WS-68-2014 | 4/7/2014 | transformer | consolidated in trimming room | 1.1 |
| WS-69-2014 | | transformer | consolidated in trimming room | 98.2 |
| WS-70-2014 | | transformer | consolidated in trimming room | 41.8 |
| WS-71-2014 | | transformer | consolidated in trimming room | 68.9 |
| WS-72-2014 | | transformer | consolidated in trimming room | 17.7 |
| WS-73-2014 | | transformer | consolidated in trimming room | 72.0 |
| WS-74-2014 | | transformer | consolidated in trimming room | 10.43 |
| WS-75-2014 | | transformer | consolidated in trimming room | 25.3 |
| WS-76-2014 | | transformer | consolidated in trimming room | **267** |
| WS-77-2014 | | transformer | consolidated in trimming room | 2.0 |
| WS-78-2014 | | small square batteries | consolidated in trimming room | ND |
| WS-79-2014 | | small square batteries | consolidated in trimming room | 0.57 |
| WS-80-2014 | | small square batteries | consolidated in trimming room | 0.57 |
| WS-81-2014 | | battery | consolidated in trimming room | 13.8 |
| WS-82-2014 | | battery | consolidated in trimming room | 96.3 |
| WS-83-2014 | | battery | consolidated in trimming room | 2.85 |
| WS-84-2014 | 4/8/2014 | round light ballast | die cast area | 2.8 |
| WS-85-2014 | | round light ballast | die cast area | 52.0 |
| WS-86-2014 | | round light ballast | die cast area | 92.9 |
| WS-87-2014 | | round light ballast | die cast area | 30.8 |
| WS-88-2014 | | round light ballast | die cast area | 73.4 |
| WS-89-2014 | | round light ballast | die cast area | 2.4 |
| WS-90-2014 | | round light ballast | die cast area | 50.3 |
| WS-91-2014 | | round light ballast | die cast area | 24.5 |
| WS-92-2014 | | round light ballast | die cast area | **169.3** |
| WS-93-2014 | | round light ballast | die cast area | 46.5 |
| WS-94-2014 | | round light ballast | die cast area | 39.1 |
| WS-95-2014 | | microwave | consolidated in trimming room | 5.9 |
| WS-96-2014 | | steel beam | office area | 0.50 |
| WS-97-2014 | | steel beam | office area | 2.11 |
| WS-98-2014 | | steel beam | office area | 3.0 |
| WS-99-2014 | | steel beam | office area | 0.55 |
| WS-100-2014 | | round white light | trimming room | 3.5 |
| WS-101-2014 | | round white light | trimming room | 3.1 |

*Notes:*

bold: PCB concentration ≥ 100 µg/100cm$^2$

-- - not applicable

ND - not detected (refer to laboratory reports in Appendix 5 for reporting/detection limits and for data qualifiers)

PCBs - polychlorinated biphenyls

µg/100cm$^2$ - micrograms per 100 square centimeters

**TABLE 6B**

**SUMMARY OF SUPPLEMENTAL BUILDING MATERIAL CHARACTERIZATION SAMPLE ANALYTICAL RESULTS - WIPE SAMPLES (NOT PREVIOUSLY PRESENTED IN A PROJECT DOCUMENT)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | MATERIAL | SAMPLE LOCATION | TOTAL PCBs [µg/100cm$^2$] |
|---|---|---|---|---|
| WS-102-2014 | 4/8/2014 | loading dock | northwest die cast area | **144.5** |
| WS-103-2014 | | door closer | consolidated in trimming room | 5.7 |
| WS-104-2014 | | door closer | consolidated in trimming room | 10.9 |
| WS-105-2014 | | door closer | consolidated in trimming room | 33.8 |
| WS-106-2014 | | door closer | consolidated in trimming room | **103.6** |
| WS-107-2014 | | door closer | consolidated in trimming room | 33.5 |
| WS-108-2014 | | small diameter ceiling lattice | trimming room | 16.1 |
| WS-109-2014 | | small diameter ceiling lattice | trimming room | 8.28 |
| WS-110-2014 | | small diameter ceiling lattice | trimming room | 30.8 |
| WS-111-2014 | | small diameter ceiling lattice | trimming room | 22.2 |
| WS-112-2014 | | small diameter ceiling lattice | trimming room | 11.2 |
| WS-113-2014 | | small diameter ceiling lattice | trimming room | 15.6 |
| WS-114-2014 | | small diameter ceiling lattice | trimming room | 20.9 |
| WS-115-2014 | | small diameter ceiling lattice | trimming room | 8.68 |
| WS-116-2014 | | small diameter ceiling lattice | trimming room | 6.0 |
| WS-117-2014 | | small diameter ceiling lattice | trimming room | 8.4 |
| WS-118-2014 | | small diameter ceiling lattice | trimming room | 11.53 |
| WS-119-2014 | | small diameter ceiling lattice | trimming room | 6.41 |
| WS-120-2014 | | small diameter ceiling lattice | trimming room | 5.66 |
| WS-121-2014 | | small diameter ceiling lattice | trimming room | 6.1 |
| WS-122-2014 | | small diameter ceiling lattice | trimming room | 8.4 |
| WS-123-2014 | | small diameter ceiling lattice | trimming room | 3.72 |
| WS-124-2014 | | small diameter ceiling lattice | trimming room | 13.17 |
| WS-125-2014 | | small diameter ceiling lattice | trimming room | 8.2 |
| WS-126-2014 | | small diameter ceiling lattice | trimming room | 7.3 |
| WS-127-2014 | | small diameter ceiling lattice | trimming room | 5.28 |
| WS-128-2014 | 4/9/2014 | small diameter ceiling lattice | die cast area | **271** |
| WS-129-2014 | | small diameter ceiling lattice | die cast area | **104** |
| WS-130-2014 | | small diameter ceiling lattice | die cast area | **183** |
| WS-131-2014 | | small diameter ceiling lattice | die cast area | **153** |
| WS-132-2014 | | small diameter ceiling lattice | die cast area | 42.7 |
| WS-133-2014 | | small diameter ceiling lattice | die cast area | **316** |
| WS-134-2014 | | small diameter ceiling lattice | die cast area | **167** |
| WS-135-2014 | | small diameter ceiling lattice | die cast area | 89.4 |
| WS-136-2014 | | small diameter ceiling lattice | die cast area | 13.8 |
| WS-137-2014 | | small diameter ceiling lattice | die cast area | **153** |
| WS-138-2014 | | small diameter ceiling lattice | die cast area | 52.0 |
| WS-139-2014 | | small diameter ceiling lattice | die cast area | **443** |
| WS-140-2014 | | small diameter ceiling lattice | die cast area | **340** |
| WS-141-2014 | | small diameter ceiling lattice | die cast area | **168** |
| WS-142-2014 | | small diameter ceiling lattice | die cast area | **124** |
| WS-143-2014 | | small diameter ceiling lattice | die cast area | **103** |
| WS-144-2014 | | small diameter ceiling lattice | die cast area | **109** |
| WS-145-2014 | | small diameter ceiling lattice | die cast area | **198** |
| WS-146-2014 | | small diameter ceiling lattice | die cast area | **188** |
| WS-147-2014 | | small diameter ceiling lattice | die cast area | **218** |
| WS-148-2014 | | northwest air vent | die cast area | 99.4 |
| WS-149-2014 | | north central air vent | die cast area | 28.1 |
| WS-150-2014 | | northeast air vent | die cast area | ND |

*Notes:*
bold: PCB concentration ≥ 100 µg/100cm$^2$
-- - not applicable
ND - not detected (refer to laboratory reports in Appendix 5 for reporting/detection limits and for data qualifiers)
PCBs - polychlorinated biphenyls
µg/100cm$^2$ - micrograms per 100 square centimeters

**TABLE 6B**

**SUMMARY OF SUPPLEMENTAL BUILDING MATERIAL CHARACTERIZATION SAMPLE ANALYTICAL RESULTS - WIPE SAMPLES (NOT PREVIOUSLY PRESENTED IN A PROJECT DOCUMENT)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | MATERIAL | SAMPLE LOCATION | TOTAL PCBs [µg/100cm$^2$] |
|---|---|---|---|---|
| WS-151-2014 | 4/11/2014 | steel ceiling beams | southeast die cast area mezzanine | 6.4 |
| WS-152-2014 | | steel ceiling beams | southeast die cast area mezzanine | 59 |
| WS-153-2014 | | steel ceiling beams | southeast die cast area mezzanine | **111** |
| WS-154-2014 | | steel ceiling beams | southeast die cast area mezzanine | 97.1 |
| WS-155-2014 | | steel ceiling beams | southeast die cast area mezzanine | **106.2** |
| WS-156-2014 | 4/15/2014 | mercury vials | consolidated in trimming room | 0.7 |
| WS-157-2014 | | mercury vials | consolidated in trimming room | ND |
| WS-158-2014 | | mercury vials | consolidated in trimming room | ND |
| WS-159-2014 | 4/24/2014 | mercury vials | boiler room | ND |
| WS-160-2014 | | mercury vials | boiler room | ND |
| WS-161-2014 | 5/9/2014 | computer battery | consolidated in trimming room | 0.81 |
| WS-162-2014 | | small square battery | consolidated in trimming room | 0.64 |
| WS-163-2014 | | large black battery | consolidated in trimming room | 1.7 |
| WS-164-2014 | | large clear battery | consolidated in trimming room | ND |
| WS-165-2014 | | small "D" size battery | consolidated in trimming room | ND |
| WS-166-2014 | 5/19/2014 | structural steel | boiler room | ND |
| WS-167-2014 | | structural steel | boiler room | ND |
| WS-168-2014 | | structural steel | boiler room | ND |
| WS-169-2014 | | structural steel | boiler room | ND |
| WS-170-2014 | | structural steel | boiler room | ND |

*Notes:*
bold: PCB concentration ≥ 100 µg/100cm$^2$
-- - not applicable
ND - not detected (refer to laboratory reports in Appendix 5 for reporting/detection limits and for data qualifiers)
PCBs - polychlorinated biphenyls
µg/100cm$^2$ - micrograms per 100 square centimeters

**TABLE 7**

**SUMMARY OF SUPPLEMENTAL ASBESTOS SAMPLE ANALTYCAL RESULTS**
**(NOT PREVIOUSLY REPORTED)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| MATERIAL DESCRIPTION | DATE | SAMPLE ID | SAMPLE LOCATION | ANALYTICAL RESULT (% by PLM) | ASBESTOS CLASSIFICATION | ESTIMATED QUANTITY |
|---|---|---|---|---|---|---|
| concrete ceiling panels (south portions of trimming room and die cast area) | 11/12/2013 | AS-01A-2013 | die cast area - west central | NAD | negative | -- |
| | | AS-01B-2013 | die cast area - southwest | NAD | | |
| | | AS-01C-2013 | trimming room - southeast | NAD | | |
| ceiling coating material (cafeteria area) | | AS-02A-2013 | cafeteria - main room | NAD | negative | -- |
| | | AS-02B-2013 | cafeteria - southwest room | NAD | | |
| | | AS-02C-2013 | cafeteria - main room | NAD | | |
| concrete floor coating (over wood block flooring) | | AS-03A-2013 | trimming room - south portion of wood block flooring | NAD | negative | -- |
| | | AS-03B-2013 | trimming room - east portion of wood block flooring | NAD | | |
| | | AS-03C-2013 | trimming room - west portion of wood block flooring | NAD | | |
| gray floor coating (south portion of trimming room) | | AS-04A-2013 | trimming room - south central | NAD | negative | -- |
| | | AS-04B-2013 | trimming room - southwest | NAD | | |
| | | AS-04C-2013 | trimming room - southeast | NAD | | |
| gray (thick) epoxy floor coating (south portion of die cast area) | | AS-05-2013 | die cast area - south | NAD | negative | -- |
| gray filler material on the underside of epoxy floor coating (south portion of die cast area) | | AS-05-2013 II | die cast area - south | 2% chrysotile | positive (NF Category I) | 1200 SF |
| yellow (thick) paint | | AS-06A-2013 | die cast area (east) - handrail/stairwell/decking | NAD | negative | -- |
| | | AS-06B-2013 | die cast area (southeast) - handrail/stairwell | NAD | | |
| | | AS-06C-2013 | die cast area (northeast) - vertical column | NAD | | |
| wall coating (men's locker room - on block walls) | | AS-07-2013 | men's locker room - north wall | NAD | negative | -- |
| black caulk | | AS-08-2013 | die cast area (northwest) - between lower ceiling beam and sheet metal | NAD | negative | -- |
| mortar (pipe penetration) | 2/7/2014 | AS-01-2014 | trimming room, west wall/north | NAD | negative | -- |
| mortar (pipe penetration) | | AS-02-2014 | trimming room, west wall/south | NAD | negative | -- |
| mortar (vent penetration) | | AS-03-2014 | office area, east wall/north | NAD | negative | -- |
| mortar (pipe penetration) | | AS-04-2014 | office area, east wall/south | NAD | negative | -- |
| paper (pipe penetration) | | AS-05-2014 | office area, east wall/south | NAD | negative | -- |
| gray block/tube guide (newer electrical buss) | 2/19/2014 | AS-06-2014 | trimming room, newer buss | NAD | negative | -- |
| felt cushion at gray block/tube guide (newer electrical buss) | | AS-07-2014 | trimming room, newer buss | NAD | negative | -- |
| black cardboard material at bus splice (newer electrical buss) | | AS-08-2014 | trimming room, newer buss | NAD | negative | -- |
| white/yellow board at connection box (older electrical buss) | | AS-09-2014 | trimming room, older buss | NAD | negative | -- |
| gray bus separator at connection (older electrical buss) | | AS-10-2014 | trimming room, older buss | NAD | negative | -- |
| beige flashboard at splice location (older electrical buss) | | AS-11-2014 | trimming room, older buss | NAD | negative | -- |
| red flashboard at splice location (older electrical buss) | | AS-12-2014 | trimming room, older buss | NAD | negative | -- |
| red bolt sleeve at connection box (older electrical buss) | | AS-13-2014 | trimming room, older buss | NAD | negative | -- |
| brown block at breaker location (older electrical buss) | | AS-14-2014 | trimming room, older buss | NAD | negative | -- |
| cement board (west wall of die cast area) | | AS-15-2014 | die cast area, central west wall (upper) | 20% chrysotile | positive (NF Category II) | NQ |

*Notes:*
-- - not applicable
LF - linear feet
NAD - no asbestos detected
NF - non-friable
NQ - not quantified
PLM - polarized light microscopy
SF - square feet

**TABLE 7**

**SUMMARY OF SUPPLEMENTAL ASBESTOS SAMPLE ANALTYCAL RESULTS**
**(NOT PREVIOUSLY REPORTED)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| MATERIAL DESCRIPTION | DATE | SAMPLE ID | SAMPLE LOCATION | ANALYTICAL RESULT (% by PLM) | ASBESTOS CLASSIFICATION | ESTIMATED QUANTITY |
|---|---|---|---|---|---|---|
| exterior gray door caulk | 3/11/2014 | AS-16A-2014 | die cast area, northeast man door | NAD | negative | 4 SF (9 personnel doors) |
| | | AS-16A-2014 II | die cast area, northeast man door | 2% chrysotile | positive (NF Category I) | |
| | | AS-16B-2014 | die cast area, north central man door | NAD | negative | |
| | | AS-16C-2014 | trimming room - southeast man door, adjacent to east loading dock | 5% chrysotile | positive (NF Category I) | |
| exterior gray building caulk | | AS-17A-2014 | die cast area, between block and northeast overhead door frame | NAD | negative | 8 LF |
| | | AS-17A-2014 II | die cast area, between block and northeast overhead door frame | 2% chrysotile | positive (NF Category I) | |
| | | AS-17B-2014 | die cast area, adjacent to north central man door between block and brick | NAD | negative | |
| | | AS-17C-2014 | die cast area, north side on concrete vent sill | NAD | negative | |
| exterior white expansion joint caulk | | AS-18-2014 | trimming room, northwest corner | NAD | negative | -- |
| exterior white expansion joint material | | AS-19-2014 | trimming room, northwest corner | NAD | negative | -- |
| exterior gray window caulk | | AS-20-2014 | trimming room, south side between loading docks | 2% chrysotile | positive (NF Category I) | 200 LF, 5 SF |
| exterior dark gray window caulk | | AS-21-2014 | die cast area (newer addition), southeast corner | 15% chrysotile | positive (NF Category I) | |
| exterior green paint on metal siding | 3/28/2014 | AS-22-2014 | north side of building | NAD | negative | -- |
| exterior white paint/coating on concrete block | | AS-23-2014 | north side of building | NAD | negative | -- |
| | | AS-23-2014 II | north side of building | 0.75% (by point count) | -- | -- |
| exterior gray building caulk | | AS-24-2014 | southwest corner of building at roof capstone | 0.3 % (by point count) | -- | -- |
| white insulating wiring wrap - light fixture | 4/10/2014 | AS-25-2014 | northwest side of building | NAD | negative | -- |
| dark gray backing material - light fixture | | AS-26-2014 | northwest side of building | 10% chrysotile | positive (NF Category I) | 1 SF |
| grayish white webbing material - cooling tower | 4/11/2014 | AS-27-2014 | northeast roof of building | NAD | negative | -- |
| grayish white refractory brick | 4/17/2014 | AS-28-2014 | interior of boiler | NAD | negative | -- |
| gray cable wrap | 5/13/2014 | AS-29-2014 | exterior buss cables - southeast side of building | NAD | negative | -- |
| black cable wrap | | AS-30-2014 | exterior buss cables - southeast side of building | NAD | negative | -- |
| black cable coating | | AS-31-2014 | exterior buss cables - southeast side of building | NAD | negative | -- |
| black cloth on cables | | AS-32-2014 | exterior buss cables - southeast side of building | NAD | negative | -- |
| red spacer | | AS-33-2014 | exterior buss bar - southeast side of building | NAD | negative | -- |
| brown wire wrap | 5/23/2014 | AS-34-2014 | die cast area - large electrical panel on south side | NAD | negative | -- |
| tan wire wrap | | AS-35-2014 | die cast area - large electrical panel on south side | NAD | negative | -- |

*Notes:*
-- - not applicable
LF - linear feet
NAD - no asbestos detected
NF - non-friable
NQ - not quantified
PLM - polarized light microscopy
SF - square feet

**TABLE 8**

**SUMMARY OF ASBESTOS ABATEMENT CLEARANCE SAMPLING ANALYTICAL RESULTS**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Sample Date | Sample ID | F/CC* | Start | Stop | LPM | Volume (liters) | F/100 Flds | Location |
|---|---|---|---|---|---|---|---|---|
| 2/4/2014 | CLR-01 | 0.005 | 10:21 | 12:21 | 12.00 | 1440 | 15.5 | office area |
| 2/4/2014 | CLR-02 | 0.006 | 10:24 | 12:24 | 12.00 | 1440 | 17.5 | office area |
| 2/7/2014 | CLR-03 | 0.007 | 9:51 | 11:51 | 12.00 | 1440 | 20.5 | office area |
| 2/7/2014 | CLR-04 | 0.006 | 9:58 | 11:58 | 12.00 | 1440 | 18.5 | office area |
| 2/7/2014 | CLR-05 | <0.002 | 10:06 | 12:06 | 12.00 | 1440 | 5.0 | office area |
| 2/12/2014 | CLR-06 | 0.004 | 8:16 | 10:16 | 12.00 | 1440 | 10.5 | office area |
| 2/12/2014 | CLR-07 | 0.004 | 8:24 | 10:24 | 12.00 | 1440 | 12.5 | office area |
| 2/12/2014 | CLR-08 | 0.005 | 8:26 | 10:26 | 12.00 | 1440 | 13.5 | office area |
| 3/13/2014 | CLR-09 | 0.003 | 12:58 | 14:58 | 12.00 | 1440 | 8.5 | boiler room |
| 3/13/2014 | CLR-10 | 0.003 | 13:02 | 15:02 | 12.00 | 1440 | 9.5 | boiler room |

*Notes:*
* - USEPA AHERA clearance sampling target level = < 0.01 F/CC
AHERA - Asbestos Hazard Emergency Response Act
USEPA - United States Environmental Protection Agency
F/CC - fibers per cubic centimeter of air
LPM - liters per minute
F/100 Flds - fibers per 100 fields

**TABLE 9A**

**DEMOLITION WASTE DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**THE ENVIRONMENTAL QUALITY COMPANY (EQ), WAYNE DISPOSAL LANDFILL**
**BELLEVILLE, MICHIGAN (FACILITY EPA ID MID048090633)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 05/27/2014 | PCB/FRIABLE ASBESTOS | 65149 | 000720421VES | 1,816.62 |
| 04/18/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000890446VES | 9,945.00 |
| 04/18/2014 | PCB IMPACTED DEBRIS | 60238 | 000928509VES | 10,044.45 |
| 05/07/2014 | PCB IMPACTED DEBRIS | 60238 | 000928524VES | 11,050.00 |
| 05/29/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720411VES | 17,680.00 |
| 06/04/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720412VES | 26,741.00 |
| 06/04/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720413VES | 26,520.00 |
| 06/09/2014 | PCB IMPACTED DEBRIS | 60238 | 000720414VES | 45,145.88 |
| 06/09/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720415VES | 26,520.00 |
| 06/09/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720434VES | 1,100.58 |
| 06/09/2014 | PCB IMPACTED DEBRIS | 60238 | 013193578JJK | 43,395.56 |
| 06/09/2014 | PCB IMPACTED DEBRIS | 60238 | 013193579JJK | 43,797.78 |
| 06/09/2014 | PCB IMPACTED DEBRIS | 60238 | 013193580JJK | 48,620.00 |
| 06/10/2014 | PCB IMPACTED DEBRIS | 60238 | 013193581JJK | 55,592.55 |
| 06/10/2014 | PCB IMPACTED DEBRIS | 60238 | 013193582JJK | 34,073.78 |
| 06/10/2014 | PCB IMPACTED DEBRIS | 60238 | 013193583JJK | 47,212.23 |
| 06/10/2014 | PCB IMPACTED DEBRIS | 60238 | 013193584JJK | 44,200.00 |
| 06/11/2014 | PCB IMPACTED DEBRIS | 60238 | 013193585JJK | 46,410.00 |
| 06/11/2014 | PCB IMPACTED DEBRIS | 60238 | 013193586JJK | 44,200.00 |
| 06/11/2014 | PCB IMPACTED DEBRIS | 60238 | 013193587JJK | 44,219.89 |
| 06/12/2014 | PCB IMPACTED DEBRIS | 60238 | 013193588JJK | 48,620.00 |
| 06/12/2014 | PCB IMPACTED DEBRIS | 60238 | 013193589JJK | 41,990.00 |
| 06/12/2014 | PCB IMPACTED DEBRIS | 60238 | 013193590JJK | 44,200.00 |
| 06/12/2014 | PCB IMPACTED DEBRIS | 60238 | 013193592JJK | 77,350.00 |
| 06/12/2014 | PCB IMPACTED DEBRIS | 60238 | 013193593JJK | 48,620.00 |
| 06/13/2014 | PCB IMPACTED DEBRIS | 60238 | 013193591JJK | 48,620.00 |
| 06/13/2014 | PCB IMPACTED DEBRIS | 60238 | 013193594JJK | 55,250.00 |
| 06/13/2014 | PCB IMPACTED DEBRIS | 60238 | 013193595JJK | 46,310.55 |
| 06/13/2014 | PCB IMPACTED DEBRIS | 60238 | 013193596JJK | 44,200.00 |
| 06/13/2014 | PCB IMPACTED DEBRIS | 60238 | 013193597JJK | 46,350.33 |
| 06/13/2014 | PCB IMPACTED DEBRIS | 60238 | 013193603JJK | 46,310.55 |
| 06/13/2014 | PCB IMPACTED DEBRIS | 60238 | 013193604JJK | 44,107.18 |
| 06/16/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720418VES | 44,200.00 |
| 06/16/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720419VES | 34,436.22 |
| 06/16/2014 | PCB IMPACTED DEBRIS | 60238 | 013193598JJK | 53,040.00 |
| 06/16/2014 | PCB IMPACTED DEBRIS | 60238 | 013193599JJK | 48,542.65 |
| 06/16/2014 | PCB IMPACTED DEBRIS | 60238 | 013193600JJK | 44,200.00 |
| 06/16/2014 | PCB IMPACTED DEBRIS | 60238 | 013193601JJK | 77,350.00 |

*Notes:*
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 9A**

**DEMOLITION WASTE DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**THE ENVIRONMENTAL QUALITY COMPANY (EQ), WAYNE DISPOSAL LANDFILL**
**BELLEVILLE, MICHIGAN (FACILITY EPA ID MID048090633)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 06/17/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720416VES | 44,200.00 |
| 06/17/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720440VES | 23,806.12 |
| 06/17/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000890486VES | 23,403.90 |
| 06/17/2014 | PCB IMPACTED DEBRIS | 60238 | 013193602JJK | 53,643.33 |
| 06/17/2014 | PCB IMPACTED DEBRIS | 60238 | 013193605JJK | 48,620.00 |
| 06/17/2014 | PCB IMPACTED DEBRIS | 60238 | 013193606JJK | 44,200.00 |
| 06/17/2014 | PCB IMPACTED DEBRIS | 60238 | 013193607JJK | 47,212.23 |
| 06/17/2014 | PCB IMPACTED DEBRIS | 60238 | 013193608JJK | 51,935.00 |
| 06/17/2014 | PCB IMPACTED DEBRIS | 60238 | 013193609JJK | 52,377.00 |
| 06/17/2014 | PCB IMPACTED DEBRIS | 60238 | 013193610JJK | 44,200.00 |
| 06/17/2014 | PCB IMPACTED DEBRIS | 60238 | 013193611JJK | 46,410.00 |
| 06/18/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720438VES | 26,398.45 |
| 06/18/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720439VES | 26,016.12 |
| 06/18/2014 | PCB IMPACTED DEBRIS | 60238 | 013193612JJK | 53,040.00 |
| 06/18/2014 | PCB IMPACTED DEBRIS | 60238 | 013193613JJK | 44,200.00 |
| 06/18/2014 | PCB IMPACTED DEBRIS | 60238 | 013193614JJK | 48,620.00 |
| 06/18/2014 | PCB IMPACTED DEBRIS | 60238 | 013193616JJK | 46,390.11 |
| 06/18/2014 | PCB IMPACTED DEBRIS | 60238 | 013193617JJK | 45,806.67 |
| 06/19/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720441VES | 30,696.90 |
| 06/19/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720442VES | 34,073.78 |
| 06/20/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720443VES | 33,150.00 |
| 06/20/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720444VES | 33,150.00 |
| 06/20/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720445VES | 33,150.00 |
| 06/20/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720446VES | 34,073.78 |
| 06/20/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720447VES | 33,150.00 |
| 06/20/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720448VES | 33,150.00 |
| 06/21/2014 | PCB IMPACTED NON-FRIABLE | 541317 | 000720449VES | 33,150.00 |
| 07/29/2014 | PCB IMPACTED DEBRIS | 60238 | 013193618JJK | 50,065.34 |
| 07/29/2014 | PCB IMPACTED DEBRIS | 60238 | 013193619JJK | 54,929.55 |
| 07/29/2014 | PCB IMPACTED DEBRIS | 60238 | 013193620JJK | 45,667.44 |
| 07/29/2014 | PCB IMPACTED DEBRIS | 60238 | 013193621JJK | 55,530.67 |
| 07/29/2014 | PCB IMPACTED DEBRIS | 60238 | 013193622JJK | 46,871.89 |
| 07/30/2014 | PCB IMPACTED DEBRIS | 60238 | 013193623JJK | 49,543.78 |
| 07/30/2014 | PCB IMPACTED DEBRIS | 60238 | 013193624JJK | 47,234.33 |
| 07/30/2014 | PCB IMPACTED DEBRIS | 60238 | 013193625JJK | 48,217.78 |
| 07/30/2014 | PCB IMPACTED DEBRIS | 60238 | 013193626JJK | 47,877.44 |
| 07/30/2014 | PCB IMPACTED DEBRIS | 60238 | 013193627JJK | 76,063.78 |
| 07/30/2014 | PCB IMPACTED DEBRIS | 60238 | 013193628JJK | 49,342.67 |

*Notes:*
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 9A**

**DEMOLITION WASTE DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**THE ENVIRONMENTAL QUALITY COMPANY (EQ), WAYNE DISPOSAL LANDFILL**
**BELLEVILLE, MICHIGAN (FACILITY EPA ID MID048090633)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 07/30/2014 | PCB IMPACTED DEBRIS | 60238 | 013193629JJK | 47,413.34 |
| 07/30/2014 | PCB IMPACTED DEBRIS | 60238 | 013193630JJK | 43,015.44 |
| 07/31/2014 | PCB IMPACTED DEBRIS | 60238 | 013193631JJK | 53,040.00 |
| 07/31/2014 | PCB IMPACTED DEBRIS | 60238 | 013193632JJK | 50,989.12 |
| 07/31/2014 | PCB IMPACTED DEBRIS | 60238 | 013193633JJK | 48,931.61 |
| 07/31/2014 | PCB IMPACTED DEBRIS | 60238 | 013193634JJK | 45,705.01 |
| 07/31/2014 | PCB IMPACTED DEBRIS | 60238 | 013193635JJK | 45,103.89 |
| 07/31/2014 | PCB IMPACTED DEBRIS | 60238 | 013193636JJK | 48,136.01 |
| 07/31/2014 | PCB IMPACTED DEBRIS | 60238 | 013193637JJK | 47,534.89 |
| 08/01/2014 | PCB IMPACTED DEBRIS | 60238 | 013193638JJK | 51,512.89 |
| 08/01/2014 | PCB IMPACTED DEBRIS | 60238 | 013193639JJK | 59,007.00 |
| 08/04/2014 | PCB IMPACTED DEBRIS | 60238 | 013193640JJK | 55,550.56 |
| 08/04/2014 | PCB IMPACTED DEBRIS | 60238 | 013193641JJK | 48,620.00 |
| 08/04/2014 | PCB IMPACTED DEBRIS | 60238 | 013193642JJK | 57,661.11 |
| 08/04/2014 | PCB IMPACTED DEBRIS | 60238 | 013193643JJK | 44,200.00 |
| 08/04/2014 | PCB IMPACTED DEBRIS | 60238 | 013193644JJK | 61,117.55 |
| 08/04/2014 | PCB IMPACTED DEBRIS | 60238 | 013193645JJK | 47,515.00 |
| 08/05/2014 | PCB IMPACTED DEBRIS | 60238 | 013193646JJK | 53,040.00 |
| 08/05/2014 | PCB IMPACTED DEBRIS | 60238 | 013193647JJK | 57,625.75 |
| 08/05/2014 | PCB IMPACTED DEBRIS | 60238 | 013193648JJK | 59,650.11 |
| 08/05/2014 | PCB IMPACTED DEBRIS | 60238 | 013193649JJK | 57,298.67 |
| 08/05/2014 | PCB IMPACTED DEBRIS | 60238 | 013193650JJK | 48,217.78 |
| 08/05/2014 | PCB IMPACTED DEBRIS | 60238 | 013193651JJK | 51,351.56 |
| 08/05/2014 | PCB IMPACTED DEBRIS | 60238 | 013193652JJK | 49,563.67 |
| 08/05/2014 | PCB IMPACTED DEBRIS | 60238 | 013193653JJK | 48,620.00 |
| 08/05/2014 | PCB IMPACTED DEBRIS | 60238 | 013193654JJK | 44,200.00 |
| 08/05/2014 | PCB IMPACTED DEBRIS | 60238 | 013193655JJK | 41,990.00 |
| 08/05/2014 | PCB IMPACTED DEBRIS | 60238 | 013193656JJK | 48,620.00 |
| 08/06/2014 | PCB IMPACTED DEBRIS | 60238 | 013193657JJK | 51,051.00 |
| 08/06/2014 | PCB IMPACTED DEBRIS | 60238 | 013193658JJK | 44,597.80 |
| 08/06/2014 | PCB IMPACTED DEBRIS | 60238 | 013193659JJK | 62,322.00 |
| 08/06/2014 | PCB IMPACTED DEBRIS | 60238 | 013193660JJK | 71,062.55 |
| 08/06/2014 | PCB IMPACTED DEBRIS | 60238 | 013193661JJK | 62,562.89 |
| 08/06/2014 | PCB IMPACTED DEBRIS | 60238 | 013193662JJK | 44,200.00 |
| 08/06/2014 | PCB IMPACTED DEBRIS | 60238 | 013193663JJK | 46,410.00 |
| 08/06/2014 | PCB IMPACTED DEBRIS | 60238 | 013193664JJK | 58,423.56 |
| 08/06/2014 | PCB IMPACTED DEBRIS | 60238 | 013193665JJK | 49,283.00 |
| 08/06/2014 | PCB IMPACTED DEBRIS | 60238 | 013193666JJK | 47,957.00 |

*Notes:*
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 9A**

**DEMOLITION WASTE DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**THE ENVIRONMENTAL QUALITY COMPANY (EQ), WAYNE DISPOSAL LANDFILL**
**BELLEVILLE, MICHIGAN (FACILITY EPA ID MID048090633)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 08/06/2014 | PCB IMPACTED DEBRIS | 60238 | 013193667JJK | 54,244.45 |
| 08/06/2014 | PCB IMPACTED DEBRIS | 60238 | 013193668JJK | 49,946.00 |
| 08/06/2014 | PCB IMPACTED DEBRIS | 60238 | 013193669JJK | 47,957.00 |
| 08/07/2014 | PCB IMPACTED DEBRIS | 60238 | 013193670JJK | 49,884.12 |
| 08/07/2014 | PCB IMPACTED DEBRIS | 60238 | 013193671JJK | 50,368.11 |
| 08/07/2014 | PCB IMPACTED DEBRIS | 60238 | 013193672JJK | 50,830.00 |
| 08/07/2014 | PCB IMPACTED DEBRIS | 60238 | 013193673JJK | 46,489.56 |
| 08/07/2014 | PCB IMPACTED DEBRIS | 60238 | 013193674JJK | 74,678.11 |
| 08/07/2014 | PCB IMPACTED DEBRIS | 60238 | 013193675JJK | 80,282.67 |
| 08/07/2014 | PCB IMPACTED DEBRIS | 60238 | 013193676JJK | 44,200.00 |
| 08/07/2014 | PCB IMPACTED DEBRIS | 60238 | 013193677JJK | 65,396.11 |
| 08/08/2014 | PCB IMPACTED DEBRIS | 60238 | 013402547JJK | 44,597.80 |
| 08/08/2014 | PCB IMPACTED DEBRIS | 60238 | 013402548JJK | 44,200.00 |
| 08/08/2014 | PCB IMPACTED DEBRIS | 60238 | 013402549JJK | 41,990.00 |
| 08/08/2014 | PCB IMPACTED DEBRIS | 60238 | 013402550JJK | 44,200.00 |
| 08/11/2014 | PCB IMPACTED DEBRIS | 60238 | 013402551JJK | 73,471.45 |
| 08/11/2014 | PCB IMPACTED DEBRIS | 60238 | 013402552JJK | 66,238.12 |
| 08/11/2014 | PCB IMPACTED DEBRIS | 60238 | 013402553JJK | 48,178.00 |
| 08/11/2014 | PCB IMPACTED DEBRIS | 60238 | 013402554JJK | 47,576.88 |
| 08/11/2014 | PCB IMPACTED DEBRIS | 60238 | 013402555JJK | 47,360.30 |
| 08/11/2014 | PCB IMPACTED DEBRIS | 60238 | 013402556JJK | 45,908.33 |
| 08/12/2014 | PCB IMPACTED DEBRIS | 60238 | 013402557JJK | 44,588.96 |
| 08/12/2014 | PCB IMPACTED DEBRIS | 60238 | 013402558JJK | 52,337.22 |
| 08/12/2014 | PCB IMPACTED DEBRIS | 60238 | 013402559JJK | 58,467.76 |
| 08/12/2014 | PCB IMPACTED DEBRIS | 60238 | 013402560JJK | 56,719.65 |
| 08/12/2014 | PCB IMPACTED DEBRIS | 60238 | 013402561JJK | 49,101.78 |
| 08/12/2014 | PCB IMPACTED DEBRIS | 60238 | 013402562JJK | 58,423.56 |
| 08/13/2014 | PCB IMPACTED DEBRIS | 60238 | 013402563JJK | 68,127.67 |
| 08/13/2014 | PCB IMPACTED DEBRIS | 60238 | 013402564JJK | 54,606.89 |
| 08/13/2014 | PCB IMPACTED DEBRIS | 60238 | 013402565JJK | 44,421.00 |
| 08/13/2014 | PCB IMPACTED DEBRIS | 60238 | 013402566JJK | 44,200.00 |
| 08/13/2014 | PCB IMPACTED DEBRIS | 60238 | 013402567JJK | 46,509.45 |
| 08/13/2014 | PCB IMPACTED DEBRIS | 60238 | 013402568JJK | 45,987.89 |
| 08/14/2014 | PCB IMPACTED DEBRIS | 60238 | 013402569JJK | 48,138.22 |
| 08/14/2014 | PCB IMPACTED DEBRIS | 60238 | 013402570JJK | 52,799.11 |
| 08/14/2014 | PCB IMPACTED DEBRIS | 60238 | 013402571JJK | 59,811.44 |
| 08/14/2014 | PCB IMPACTED DEBRIS | 60238 | 013402572JJK | 62,885.55 |
| 08/14/2014 | PCB IMPACTED DEBRIS | 60238 | 013402573JJK | 53,943.89 |
| 08/14/2014 | PCB IMPACTED DEBRIS | 60238 | 013402574JJK | 46,410.00 |
| | | | TOTAL (pounds) | 7,180,128.67 |
| | | | TOTAL (tons) | 3,590 |

*Notes:*
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 9B**

**DEMOLITION WASTE DISPOSAL SUMMARY - NON-TSCA-REGULATED WASTE**
**ADVANCED DISPOSAL EMERALD PARK LANDFILL**
**MUSKEGO, WISCONSIN (FACILITY EPA ID WIR000003012)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Weight (Tons) |
|---|---|---|---|---|
| 04/03/2014 | FRIABLE ASBESTOS | 524322 | WSR14029 | 3.00 |
| 04/29/2014 | NON-FRIABLE ASBESTOS | 524326 | ZZ00372323 | 4.00 |
| 05/27/2014 | FRIABLE ASBESTOS | 524322 | WSR0017426 | 1.00 |
| 05/30/2014 | NON-FRIABLE ASBESTOS | 524326 | ZZ00372324 | 4.00 |
| 05/27/2014 | ASBESTOS SLUDGE | 562447 | WSR0017425 | 1.80 |
| 05/27/2014 | ASBESTOS SLUDGE | 562447 | WSR0017425 | 0.40 |
| 10/24/2014 | ASBESTOS SLUDGE | 562447 | WSR03106 | 0.23 |
| 04/29/2014 | EX-NON FRIABLE ASBESTOS | EPL2014-007 | 1157184 | 4.15 |
| 05/30/2014 | EX-NON FRIABLE ASBESTOS | EPL2014-007 | 1162260 | 3.90 |
| 04/03/2014 | EX-38a FRIABLE ASBESTOS | EPL2014-008 | 1153200 | 2.83 |
| 05/29/2014 | EX-38a FRIABLE ASBESTOS | EPL2014-008 | 1162157 | 1.75 |
| 04/24/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1156483 | 5.14 |
| 04/24/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1156521 | 3.32 |
| 05/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1159537 | 20.53 |
| 05/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1159556 | 18.03 |
| 05/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1159611 | 19.57 |
| 05/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1159619 | 18.68 |
| 05/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1159663 | 18.70 |
| 05/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1159672 | 19.69 |
| 05/16/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1160297 | 17.48 |
| 05/16/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1160327 | 14.24 |
| 05/16/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1160347 | 14.39 |
| 05/16/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1160360 | 15.98 |
| 05/19/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1160563 | 24.90 |
| 05/19/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1160597 | 31.48 |
| 05/20/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1160633 | 36.69 |
| 05/21/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1160870 | 31.28 |
| 05/22/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1161279 | 20.84 |
| 05/23/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1161431 | 33.24 |
| 05/23/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1161444 | 20.62 |
| 05/23/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1161457 | 19.75 |
| 05/23/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1161474 | 35.13 |
| 05/23/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1161485 | 18.76 |
| 05/28/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1161812 | 15.85 |
| 05/28/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1161874 | 18.41 |
| 05/28/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1161935 | 21.65 |
| 05/29/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1161998 | 15.58 |
| 05/29/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1162063 | 21.57 |

*Notes:*
ACM - asbestos containing material
EPL - Emerald Park Landfill
NF - non-friable
TSCA - Toxic Substances Control Act

**TABLE 9B**

**DEMOLITION WASTE DISPOSAL SUMMARY - NON-TSCA-REGULATED WASTE**
**ADVANCED DISPOSAL EMERALD PARK LANDFILL**
**MUSKEGO, WISCONSIN (FACILITY EPA ID WIR000003012)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Weight (Tons) |
|---|---|---|---|---|
| 05/29/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1162124 | 22.50 |
| 05/30/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1162187 | 31.38 |
| 05/30/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1162269 | 23.65 |
| 05/30/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1162336 | 20.36 |
| 05/30/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1162399 | 35.71 |
| 06/04/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1163235 | 23.21 |
| 06/04/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1163310 | 32.08 |
| 06/05/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1163386 | 37.80 |
| 06/05/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1163443 | 29.57 |
| 06/05/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1163500 | 31.05 |
| 06/05/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1163563 | 25.46 |
| 06/06/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1163616 | 24.84 |
| 06/06/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1163670 | 28.09 |
| 06/06/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1163720 | 26.86 |
| 06/06/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1163781 | 28.40 |
| 06/09/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1164024 | 23.34 |
| 07/07/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1168595 | 23.80 |
| 07/07/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1168623 | 22.53 |
| 07/07/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1168630 | 24.17 |
| 07/07/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1168674 | 21.59 |
| 07/07/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1168684 | 25.73 |
| 07/07/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1168718 | 20.99 |
| 07/07/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1168734 | 19.35 |
| 07/07/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1168773 | 19.26 |
| 07/08/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1168818 | 20.86 |
| 07/08/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1168855 | 19.74 |
| 07/08/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1168889 | 23.87 |
| 07/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1169634 | 23.13 |
| 07/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1169641 | 26.19 |
| 07/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 | 1169676 | 27.34 |
| 05/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1159624 | 11.32 |
| 05/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1159625 | 11.06 |
| 05/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1159627 | 18.01 |
| 05/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1159682 | 18.97 |
| 05/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1159743 | 22.25 |
| 05/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1159745 | 12.82 |
| 05/16/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160099 | 10.93 |
| 05/16/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160109 | 12.71 |

*Notes:*
ACM - asbestos containing material
EPL - Emerald Park Landfill
NF - non-friable
TSCA - Toxic Substances Control Act

**TABLE 9B**

**DEMOLITION WASTE DISPOSAL SUMMARY - NON-TSCA-REGULATED WASTE**
**ADVANCED DISPOSAL EMERALD PARK LANDFILL**
**MUSKEGO, WISCONSIN (FACILITY EPA ID WIR000003012)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Weight (Tons) |
|---|---|---|---|---|
| 05/16/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160121 | 17.20 |
| 05/16/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160178 | 18.39 |
| 05/16/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160183 | 15.82 |
| 05/16/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160239 | 13.65 |
| 05/16/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160248 | 13.18 |
| 05/16/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160277 | 16.15 |
| 05/19/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160432 | 36.00 |
| 05/19/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160436 | 21.36 |
| 05/19/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160468 | 18.34 |
| 05/19/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160489 | 18.88 |
| 05/19/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160516 | 27.60 |
| 05/19/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160530 | 30.92 |
| 05/20/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160739 | 40.06 |
| 05/20/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160801 | 30.74 |
| 05/21/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160887 | 24.21 |
| 05/21/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160919 | 23.00 |
| 05/21/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160944 | 22.63 |
| 05/21/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160971 | 26.66 |
| 05/21/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1160998 | 21.07 |
| 05/21/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1161039 | 27.89 |
| 05/21/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1161069 | 21.88 |
| 05/22/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1161110 | 29.85 |
| 05/22/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1161128 | 23.95 |
| 05/22/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1161172 | 28.21 |
| 05/22/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1161190 | 25.48 |
| 05/22/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1161219 | 31.40 |
| 05/22/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1161282 | 25.97 |
| 05/23/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1161327 | 24.30 |
| 05/23/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1161334 | 19.34 |
| 05/23/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1161341 | 23.78 |
| 05/23/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1161390 | 27.61 |
| 05/23/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1161397 | 20.01 |
| 05/23/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1161412 | 20.81 |
| 06/03/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1162894 | 27.22 |
| 06/03/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1162907 | 32.29 |
| 06/03/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1162948 | 27.89 |
| 06/03/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1162970 | 31.52 |
| 06/03/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1163033 | 32.80 |

*Notes:*
ACM - asbestos containing material
EPL - Emerald Park Landfill
NF - non-friable
TSCA - Toxic Substances Control Act

**TABLE 9B**

**DEMOLITION WASTE DISPOSAL SUMMARY - NON-TSCA-REGULATED WASTE**
**ADVANCED DISPOSAL EMERALD PARK LANDFILL**
**MUSKEGO, WISCONSIN (FACILITY EPA ID WIR000003012)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Weight (Tons) |
|---|---|---|---|---|
| 06/03/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1163062 | 26.04 |
| 06/03/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1163104 | 22.65 |
| 06/04/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1163155 | 17.28 |
| 06/04/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1163192 | 28.54 |
| 06/09/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1163879 | 14.68 |
| 06/09/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1163889 | 22.77 |
| 06/09/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1163922 | 21.61 |
| 06/09/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1163936 | 23.43 |
| 06/09/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1163975 | 24.85 |
| 06/09/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1163986 | 25.68 |
| 06/09/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1164018 | 22.04 |
| 06/09/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1164074 | 19.29 |
| 06/09/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1164086 | 24.26 |
| 07/07/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1168587 | 19.62 |
| 07/07/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1168766 | 14.49 |
| 07/08/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1168827 | 20.76 |
| 07/08/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1168850 | 21.39 |
| 07/08/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1168897 | 23.93 |
| 07/08/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1168922 | 24.97 |
| 07/08/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1168924 | 23.26 |
| 07/08/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1168957 | 24.95 |
| 07/08/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1168963 | 23.82 |
| 07/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1169687 | 23.73 |
| 07/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1169728 | 27.49 |
| 07/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1169735 | 28.08 |
| 07/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1169768 | 26.01 |
| 07/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1169774 | 29.53 |
| 07/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1169817 | 25.20 |
| 07/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1169825 | 27.12 |
| 07/28/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1171670 | 16.69 |
| 07/28/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1171672 | 26.15 |
| 07/28/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1171702 | 24.21 |
| 07/28/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1171731 | 26.52 |
| 07/28/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1171755 | 28.00 |
| 07/28/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1171793 | 26.95 |
| 08/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1174437 | 21.96 |
| 08/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1174449 | 21.95 |
| 08/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1174464 | 23.26 |
| 08/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1174494 | 24.80 |
| 08/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1174515 | 20.01 |
| 08/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1174527 | 20.46 |
| 08/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1174553 | 22.35 |
| 08/14/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1174577 | 23.49 |
| 08/15/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1174634 | 15.91 |
| 08/15/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1174661 | 23.98 |
| 08/15/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1174709 | 24.91 |
| 11/21/2014 | EX-37@ REMEDIATION WASTE | EPL2014-043 - NF ACM | 1189506 | 1.23 |
| | | | **TOTAL** | **3,467.84** |

*Notes:*
ACM - asbestos containing material
EPL - Emerald Park Landfill
NF - non-friable
TSCA - Toxic Substances Control Act

**TABLE 9C**

**DEMOLITION WASTE DISPOSAL SUMMARY - UNIVERSAL AND OTHER REGULATED WASTE**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity | | Disposal Facility | Disposal Facility EPA ID |
|---|---|---|---|---|---|---|---|
| 4/22/2014 | LEAD ACID BATTERIES | 551127 | ZZ00428666 | 20 | LB | VES, PW | WID988566543 |
| 4/22/2014 | MERCURY DEVICES/DEBRIS | 551124 | ZZ00428667 | 1 | LB | VES, MF | WID003967148 |
| 4/22/2014 | HYDRAULIC OIL | 794137 | ZZ00428667 | 15 | GAL | VES, MF | WID003967148 |
| 4/22/2014 | HYDRAULIC OIL | 794137 | ZZ00428667 | 55 | GAL | VES, MF | WID003967148 |
| 4/22/2014 | PCB LABPACKS (DCN) | 550958 | 000928099VES | 133.00 | LB | VES, PA | TXD000838896 |
| 4/22/2014 | PCB LABPACKS (HPN) | 62174 | 000928099VES | 280.67 | LB | VES, PA | TXD000838896 |
| 4/22/2014 | PCB LABPACKS (HPN) | 62174 | 000928099VES | 170.17 | LB | VES, PA | TXD000838896 |
| 4/22/2014 | PCB BALLASTS | 502710 | 000928099VES | 605.54 | LB | VES, PA | TXD000838896 |
| 4/22/2014 | PCB BALLASTS | 502710 | 000928099VES | 393.38 | LB | VES, PA | TXD000838896 |
| 4/22/2014 | PCB BALLASTS | 502710 | 000928099VES | 696.15 | LB | VES, PA | TXD000838896 |
| 4/22/2014 | PCB BALLASTS | 502710 | 000928099VES | 404.43 | LB | VES, PA | TXD000838896 |
| 4/22/2014 | PCB BALLASTS | 502710 | 000928099VES | 815.49 | LB | VES, PA | TXD000838896 |
| 4/22/2014 | PCB BALLASTS | 502710 | 000928099VES | 464.10 | LB | VES, PA | TXD000838896 |
| 4/22/2014 | PCB BALLASTS | 502710 | 000928099VES | 521.56 | LB | VES, PA | TXD000838896 |
| 4/22/2014 | PCB BALLASTS | 502710 | 000928099VES | 258.57 | LB | VES, PA | TXD000838896 |
| 4/22/2014 | PCB BALLASTS | 502710 | 000928099VES | 428.74 | LB | VES, PA | TXD000838896 |
| 4/22/2014 | PCB BALLASTS | 502710 | 000928099VES | 397.80 | LB | VES, PA | TXD000838896 |
| 4/22/2014 | PCB BALLASTS | 502710 | 000928099VES | 406.64 | LB | VES, PA | TXD000838896 |
| 4/22/2014 | PCB BALLASTS | 502710 | 000928099VES | 289.51 | LB | VES, PA | TXD000838896 |
| 4/22/2014 | PCB BALLASTS | 502710 | 000928099VES | 581.23 | LB | VES, PA | TXD000838896 |
| 4/22/2014 | PCB BALLASTS | 502710 | 000928099VES | 861.90 | LB | VES, PA | TXD000838896 |
| 4/22/2014 | PCB BALLASTS | 502710 | 000928099VES | 665.21 | LB | VES, PA | TXD000838896 |
| 5/27/2014 | PCB BALLASTS | 502710 | 000720422VES | 402.22 | LB | VES, PA | TXD000838896 |
| 5/27/2014 | PCB WASTE FLOOR SWEEPINGS W/ LEAD CHIPS | 551904 | 000720422VES | 5229.00 | LB | VES, PA | TXD000838896 |
| 5/27/2014 | FLUORESCENT BULBS IMPACTED WITH PCBS | 550337 | 000720420VES | 1,379 | LB | CWM | ALD000622464 |
| 5/27/2014 | MERCURY DEVICES/DEBRIS | 551124 | ZZ00206969 | 3 | LB | VES, MF | WID003967148 |
| 5/27/2014 | LEAD ACID BATTERIES | 551127 | ZZ00429702 | 100 | LB | VES, PW | WID988566543 |
| 5/27/2014 | NICAD BATTERIES | 551128 | ZZ00429702 | 3 | LB | VES, PW | WID988566543 |
| 6/9/2014 | CAR TIRES | 564840 | ZZ00429897 | 450 | LB | VES, MF | WID003967148 |
| 6/9/2014 | HYDRAULIC OIL | 794137 | ZZ00429897 | 55 | GAL | VES, MF | WID003967148 |
| 10/24/2014 | SPENT CARBON/WATER | 611963 | 000850097VES | 14882.14 | LB | VES, PA | TXD000838896 |
| 10/24/2014 | PCB SEDIMENT | 482775 | 000850097VES | 10055.50 | LB | VES, PA | TXD000838896 |
| 10/24/2014 | DECONTAMINATION RINSE WATER | 613425 | ZZ00419360 | 1,200 | GAL | EPL | WIR000003012 |
| 10/24/2014 | ASBESTOS SLUDGE | 562447 | WSR 03106 | 55 | GAL | EPL | WIR000003012 |
| 10/24/2014 | PCB SOIL | 391226 | 000850110VES | 220 | LB | EQ | MID048090633 |

*Notes:*
CWM - Chemical Waste Management, Inc., Emelle, Alabama
EPL - Advanced Disposal Emerald Park Landfill, Muskego, Wisconsin
EQ - The Environmental Quality Company, Wayne Disposal Landfill, Belleville, Michigan
GAL - gallons
LB - pounds
MF - Menomonee Falls, Wisconsin
PA - Port Arthur, Texas
PCB - polychlorinated biphenyl
PW - Port Washington, Wisconsin
VES - Veolia Environmental Services Technical Solutions

**TABLE 10**

**SUMMARY OF STORM WATER CHARACTERIZATION AND POST-TREATMENT VERIFICATION SAMPLE ANALYTICAL RESULTS**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| | PRE-TREATMENT CHARACTERIZATION | | | | | | | | | | | POST-TREATMENT VERIFICATION | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID** | W-01-2013 | W-02-2013 | W-03-2013 | W-04-2013 | WC-01-2014 | WC-02-2014 | WC-04-2014* | WC-06/06A-2014 | WC-07-2014 | W-12-2014 | W-13-2014 | W-DIS01-2014 | W-DIS02-2014 | NR 140 PAL/On-Site Discharge Criteria |
| **Date Sampled** | 11/20/2013 | 11/20/2013 | 12/4/2013 | 12/4/2013 | 1/21/2014 | 2/19/2014 | 4/1/2014 | 5/6/2014 | 5/6/2014 | 6/19/2014 | 6/19/2014 | 3/31/2014 | 4/1/2014 | |
| **Location** | north frac tanks | south frac tanks | north frac tanks | south frac tanks | boiler room | boiler room | boiler room | boiler room | cafeteria | cafeteria (after first carbon vessel) | cafeteria (after second carbon vessel) | north frac tanks | north frac tanks | |
| **Discharge Area and Approximate Volume Discharged (gallons)** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | northwest (4,000) | northwest (4,000) | |
| **Asbestos (MFL)** | -- | -- | -- | -- | 1.90 | 0.97 | <0.19 | <0.20 | -- | -- | -- | -- | -- | -- |
| **VOCs (µg/l)** | | | | | | | | | | | | | | |
| 1,1-Dichloroethane | 0.40 | 1.4 | 0.43 | 1.1 | <5.0 | -- | <0.15 | <5.0 | 0.42 | <0.36 | <0.36 | <0.37 | <0.37 | 85 |
| cis-1,2-Dichloroethene | 36.1 | 20.1 | 37.4 | 21.5 | 420 | -- | <0.17 | 130 | 15.9 | <0.84 | <0.84 | <0.54 | <0.54 | 7 |
| Tetrachloroethene | <0.61 | 2.3 | <0.61 | 1.7 | 17 | -- | <0.29 | 21 | 2.6 | <0.59 | <0.59 | <0.61 | <0.61 | 0.5 |
| 1,1,1-Trichloroethane | <0.94 | 3.2 | <0.94 | 1.9 | <7.3 | -- | <0.22 | <7.3 | <0.46 | <0.46 | <0.46 | <0.94 | <0.94 | 40 |
| Trichloroethene | 2.9 | 11.7 | 1.9 | 8.8 | 940 | -- | <0.17 | 1,000 | 23.1 | <0.47 | <0.47 | <0.45 | <0.45 | 0.5 |
| Vinyl chloride | <0.61 | <0.61 | 3.1 | 0.99 | 7.9 | -- | <0.22 | <7.3 | 1.3 | <0.58 | <0.58 | <0.61 | <0.61 | 0.02 |
| **Detected PCBs (µg/l)** | | | | | | | | | | | | | | |
| Aroclor 1242 | <0.11 | <0.10 | 0.65 | 0.91 | 0.50 | -- | <0.23 | <0.22 | <0.10 | <0.19 | <0.19 | <0.10 | <0.10 | -- |
| Aroclor 1248 | 0.56 | 1.1 | <0.15 | <0.15 | <0.10 | -- | <0.11 | 0.18 | 3.4 | 0.14 | <0.13 | <0.15 | <0.15 | -- |
| Aroclor 1254 | 0.17 | 0.18 | <0.074 | <0.074 | <0.16 | -- | <0.17 | <0.16 | <0.074 | <0.16 | <0.16 | <0.074 | <0.074 | -- |
| Aroclor 1260 | <0.067 | <0.063 | <0.063 | <0.064 | <0.17 | -- | <0.18 | <0.17 | 0.19 | <0.19 | <0.19 | <0.064 | <0.063 | -- |
| Total PCBs | 0.73 | 1.28 | 0.65 | 0.91 | 0.50 | -- | <0.11 | 0.18 | 3.59 | 0.14 | <0.13 | <0.064 | <0.063 | 0.003 |

*Notes:*
refer to laboratory reports in Appendix 5 for data qualifiers
-- - not analyzed, not established or not applicable
* - sample ID changed from WC-03-2014 due to duplicate ID
** - an additional GAC vessel was added to the mobile storm water treatment system to address vinyl chloride breakthrough as documented in Progress Report #13 - June 2014 (dated 7-08-14)
GAC - granular activated carbon
MFL - million fibers per liter
NR - no results reported due to re-extraction/analysis needed due to surrogate issues
NR 140 - Wisconsin Administrative Code Chapter NR 140
PAL - preventive action limit
PCBs - polychlorinated biphenyls
µg/l - micrograms per liter
VOCs - volatile organic compounds (primary VOCs of concern are included in the table)

**TABLE 10**

**SUMMARY OF STORM WATER CHARACTERIZATION AND POST-TREATMENT VERIFICATION SAMPLE ANALYTICAL RESULTS**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| | POST-TREATMENT VERIFICATION | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID** | W-DIS03-2014 | W-DIS04-2014 | W-DIS05-2014 | W-DIS06-2014 | W-DIS07-2014 | W-DIS08-2014 | W-DIS09-2014 | W-DIS10-2014 | W-DIS11-2014 | W-DIS12-2014 | W-DIS13-2014 | W-DIS14-2014 | W-DIS15-2014 | NR 140 PAL/On-Site Discharge Criteria |
| **Date Sampled** | 4/9/2014 | 4/11/2014 | 4/17/2014 | 4/21/2014 | 4/23/2014 | 4/28/2014 | 5/1/2014 | 5/1/2014 | 5/1/2014 | 5/5/2014 | 5/5/2014 | 5/5/2014 | 5/7/2014 | |
| **Location** | north frac tanks | north frac tanks | north frac tanks | north frac tanks | north frac tanks | north frac tanks | poly tanks (boiler room water) | poly tanks (boiler room water) | north frac tanks | poly tanks (boiler room water) | poly tanks (boiler room water) | poly tanks (boiler room water) | north frac tanks | |
| **Discharge Area and Approximate Volume Discharged (gallons)** | northwest (4,000) | northwest (2,000) | northwest (5,500) | northwest (5,500) | northwest (4,000) | northwest (5,000) | northwest (1,500) | northwest (1,500) | northwest (1,000) | northwest (1,500) | northwest (1,500) | northwest (1,500) | northwest (2,000) | |
| **Asbestos (MFL)** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **VOCs (µg/l)** | | | | | | | | | | | | | | |
| 1,1-Dichloroethane | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.15 | <0.15 | <0.36 | <0.15 | <0.15 | <0.15 | <0.36 | 85 |
| cis-1,2-Dichloroethene | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.17 | <0.17 | <0.84 | <0.17 | <0.17 | <0.17 | <0.84 | 7 |
| Tetrachloroethene | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.29 | <0.29 | <0.59 | <0.29 | <0.29 | <0.29 | <0.59 | 0.5 |
| 1,1,1-Trichloroethane | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.22 | <0.22 | <0.46 | <0.22 | <0.22 | <0.22 | <0.46 | 40 |
| Trichloroethene | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.17 | <0.17 | <0.47 | <0.17 | <0.17 | <0.17 | <0.47 | 0.5 |
| Vinyl chloride | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | <0.22 | <0.22 | <0.58 | <0.22 | <0.22 | <0.22 | <0.58 | 0.02 |
| **Detected PCBs (µg/l)** | | | | | | | | | | | | | | |
| Aroclor 1242 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.11 | <0.22 | <0.22 | <0.10 | NR | NR | NR | <0.10 | -- |
| Aroclor 1248 | <0.15 | <0.15 | <0.15 | <0.15 | <0.15 | <0.16 | <0.10 | <0.10 | <0.15 | NR | NR | NR | <0.15 | -- |
| Aroclor 1254 | <0.074 | <0.074 | <0.074 | <0.074 | <0.074 | <0.076 | <0.16 | <0.16 | <0.075 | NR | NR | NR | <0.075 | -- |
| Aroclor 1260 | <0.063 | <0.063 | <0.064 | <0.063 | <0.064 | <0.065 | <0.17 | <0.17 | <0.063 | NR | NR | NR | <0.063 | -- |
| Total PCBs | <0.063 | <0.063 | <0.064 | <0.063 | <0.064 | <0.065 | <0.10 | <0.10 | <0.063 | NR | NR | NR | <0.063 | 0.003 |

*Notes:*
refer to laboratory reports in Appendix 5 for data qualifiers
-- - not analyzed, not established or not applicable
* - sample ID changed from WC-03-2014 due to duplicate ID
** - an additional GAC vessel was added to the mobile storm water treatment system to address vinyl chloride breakthrough as documented in Progress Report #13 - June 2014 (dated 7-08-14)
GAC - granular activated carbon
MFL - million fibers per liter
NR - no results reported due to re-extraction/analysis needed due to surrogate issues
NR 140 - Wisconsin Administrative Code Chapter NR 140
PAL - preventive action limit
PCBs - polychlorinated biphenyls
µg/l - micrograms per liter
VOCs - volatile organic compounds (primary VOCs of concern are included in the table)

**TABLE 10**

**SUMMARY OF STORM WATER CHARACTERIZATION AND POST-TREATMENT VERIFICATION SAMPLE ANALYTICAL RESULTS**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| | POST-TREATMENT VERIFICATION | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID** | W-DIS16-2014 | W-DIS17-2014 | W-DIS18-2014 | W-DIS19-2014 | W-DIS20-2014 | W-DIS21-2014 | W-DIS22-2014 | W-DIS23-2014 | W-DIS24-2014 | W-DIS25-2014 | W-DIS26-2014 | W-DIS27-2014 | W-DIS28-2014 | NR 140 PAL/On-Site Discharge Criteria |
| **Date Sampled** | 5/9/2014 | 5/12/2014 | 5/14/2014 | 5/16/2014 | 5/19/2014 | 5/21/2014 | 5/23/2014 | 5/28/2014 | 5/29/2014 | 6/2/2014 | 6/3/2014 | 6/4/2014 | 6/5/2014 | |
| **Location** | north frac tanks | north frac tanks | north frac tanks | north frac tanks | north frac tanks | north frac tanks | poly tanks (boiler room water) | poly tanks (boiler room water) | north frac tanks | north frac tanks | north frac tanks | north frac tanks | north frac tanks | |
| **Discharge Area and Approximate Volume Discharged (gallons)** | northwest (4,000) | northwest (4,000) | northwest (4,000) | northwest (4,000) | northwest (7,000) | northwest (7,000) | northwest (3,000) | northwest (1,500) | northwest (7,000) | northwest (6,000) | northwest (3,000) northeast (3,000) | northwest (3,000) northeast (7,000) | northwest (1,500) northeast (7,000) | |
| **Asbestos (MFL)** | -- | -- | -- | -- | -- | -- | <0.19 | <0.19 | -- | -- | -- | -- | -- | -- |
| **VOCs (µg/l)** | | | | | | | | | | | | | | |
| 1,1-Dichloroethane | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.15 | <0.15 | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | 85 |
| cis-1,2-Dichloroethene | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.17 | <0.17 | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | 7 |
| Tetrachloroethene | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.29 | <0.29 | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | 0.5 |
| 1,1,1-Trichloroethane | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.22 | <0.22 | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | 40 |
| Trichloroethene | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.17 | <0.17 | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | 0.5 |
| Vinyl chloride | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | <0.22 | <0.22 | <0.58 | <0.58 | 1.0** | 1.0** | 0.87 ** | 0.02 |
| **Detected PCBs (µg/l)** | | | | | | | | | | | | | | |
| Aroclor 1242 | <0.10 | <0.10 | <0.11 | <0.10 | <0.10 | <0.10 | <0.22 | <0.22 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | -- |
| Aroclor 1248 | <0.15 | <0.15 | <0.16 | <0.15 | <0.15 | <0.15 | <0.10 | <0.10 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | -- |
| Aroclor 1254 | <0.074 | <0.074 | <0.077 | <0.074 | <0.073 | <0.074 | <0.16 | <0.16 | <0.17 | <0.17 | <0.17 | <0.17 | <0.17 | -- |
| Aroclor 1260 | <0.063 | <0.064 | <0.060 | <0.064 | <0.062 | <0.063 | <0.17 | <0.17 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | -- |
| Total PCBs | <0.063 | <0.064 | <0.060 | <0.064 | <0.062 | <0.063 | <0.10 | <0.10 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | 0.003 |

*Notes:*
refer to laboratory reports in Appendix 5 for data qualifiers
-- - not analyzed, not established or not applicable
* - sample ID changed from WC-03-2014 due to duplicate ID
** - an additional GAC vessel was added to the mobile storm water treatment system to address vinyl chloride breakthrough as documented in Progress Report #13 - June 2014 (dated 7-08-14)
GAC - granular activated carbon
MFL - million fibers per liter
NR - no results reported due to re-extraction/analysis needed due to surrogate issues
NR 140 - Wisconsin Administrative Code Chapter NR 140
PAL - preventive action limit
PCBs - polychlorinated biphenyls
µg/l - micrograms per liter
VOCs - volatile organic compounds (primary VOCs of concern are included in the table)

**TABLE 10**

**SUMMARY OF STORM WATER CHARACTERIZATION AND POST-TREATMENT VERIFICATION SAMPLE ANALYTICAL RESULTS**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| | POST-TREATMENT VERIFICATION | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID** | W-DIS29-2014 | W-DIS30-2014 | W-DIS31-2014 | W-DIS32-2014 | W-DIS33-2014 | W-DIS34-2014 | W-DIS35-2014 | W-DIS36-2014 | W-DIS37-2014 | W-DIS38-2014 | W-DIS39-2014 | W-DIS40-2014 | W-DIS41-2014 | NR 140 PAL/On-Site Discharge Criteria |
| **Date Sampled** | 6/9/2014 | 6/10/2014 | 6/10/2014 | 6/20/2014 | 6/23/2014 | 6/26/2014 | 6/27/2014 | 6/30/2014 | 7/1/2014 | 7/2/2014 | 7/3/2014 | 7/7/2014 | 7/8/2014 | |
| **Location** | cafeteria | south frac tanks (between carbon vessels) | south frac tanks (after second carbon vessel) | south frac tanks | south frac tanks | south frac tanks | south frac tanks | south frac tanks (cafeteria water) | south frac tanks (cafeteria water) | south frac tanks (cafeteria water) | south frac tanks (cafeteria water) | south frac tanks (cafeteria water) | south frac tanks (cafeteria water) | |
| **Discharge Area and Approximate Volume Discharged (gallons)** | southeast (1,500) | southeast (1,500) | | southeast (9,000) | southeast (6,000) | southeast (9,000) | southeast (9,000) | southeast (5,000) | southeast (9,000) | southeast (9,000) | southeast (9,000) | southeast (9,000) | southeast (9,000) | |
| **Asbestos (MFL)** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **VOCs (µg/l)** | | | | | | | | | | | | | | |
| 1,1-Dichloroethane | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.19 | <0.36 | <0.36 | 85 |
| cis-1,2-Dichloroethene | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.12 | <0.84 | <0.84 | 7 |
| Tetrachloroethene | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.17 | <0.59 | <0.59 | 0.5 |
| 1,1,1-Trichloroethane | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.20 | <0.46 | <0.46 | 40 |
| Trichloroethene | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.19 | <0.47 | <0.47 | 0.5 |
| Vinyl chloride | 1.1** | 1.4** | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | <0.10 | <0.58 | <0.58 | 0.02 |
| **Detected PCBs (µg/l)** | | | | | | | | | | | | | | |
| Aroclor 1242 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.13 | <0.19 | <0.19 | -- |
| Aroclor 1248 | <0.12 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.11 | <0.12 | <0.12 | -- |
| Aroclor 1254 | <0.16 | <0.17 | <0.17 | <0.17 | <0.17 | <0.17 | <0.17 | <0.17 | <0.17 | <0.17 | <0.11 | <0.16 | <0.16 | -- |
| Aroclor 1260 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.11 | <0.19 | <0.19 | -- |
| Total PCBs | <0.12 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.11 | <0.12 | <0.12 | 0.003 |

*Notes:*
refer to laboratory reports in Appendix 5 for data qualifiers
-- - not analyzed, not established or not applicable
* - sample ID changed from WC-03-2014 due to duplicate ID
** - an additional GAC vessel was added to the mobile storm water treatment system to address vinyl chloride breakthrough as documented in Progress Report #13 - June 2014 (dated 7-08-14)
GAC - granular activated carbon
MFL - million fibers per liter
NR - no results reported due to re-extraction/analysis needed due to surrogate issues
NR 140 - Wisconsin Administrative Code Chapter NR 140
PAL - preventive action limit
PCBs - polychlorinated biphenyls
µg/l - micrograms per liter
VOCs - volatile organic compounds (primary VOCs of concern are included in the table)

**TABLE 10**

**SUMMARY OF STORM WATER CHARACTERIZATION AND POST-TREATMENT VERIFICATION SAMPLE ANALYTICAL RESULTS**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| | POST-TREATMENT VERIFICATION | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID** | W-DIS42-2014 | W-DIS43-2014 | W-DIS44-2014 | W-DIS45-2014 | W-DIS46-2014 | W-DIS47-2014 | W-DIS48-2014 | W-DIS49-2014 | W-DIS50-2014 | W-DIS51-2014 | W-DIS52-2014 | W-DIS53-2014 | W-DIS54-2014 | |
| **Date Sampled** | 7/9/2014 | 7/10/2014 | 7/11/2014 | 7/14/2014 | 7/15/2014 | 7/16/2014 | 7/17/2014 | 7/18/2014 | 7/21/2014 | 7/22/2014 | 7/23/2014 | 7/24/2014 | 7/25/2014 | NR 140 PAL/On-Site Discharge Criteria |
| **Location** | south frac tanks (cafeteria water) | south frac tanks (cafeteria water) | south frac tanks (cafeteria water) | south frac tanks (cafeteria water) | north frac tanks | north frac tanks | north frac tanks | north frac tanks | north frac tanks | north frac tanks | north frac tanks | north frac tanks | north frac tanks | |
| **Discharge Area and Approximate Volume Discharged (gallons)** | southeast (9,000) | southeast (9,000) | southeast (9,000) | southeast (8,000) | northwest (4,500) northeast (4,500) | northeast (9,000) | northwest (4,500) northeast (4,500) | northeast (9,000) | northwest (4,500) northeast (5,000) | northeast (9,000) | northwest (3,500) northeast (5,000) | northeast (9,000) | northwest (3,000) northeast (5,000) | |
| **Asbestos (MFL)** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **VOCs (µg/l)** | | | | | | | | | | | | | | |
| 1,1-Dichloroethane | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | <0.36 | 85 |
| cis-1,2-Dichloroethene | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | <0.84 | 7 |
| Tetrachloroethene | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | 0.5 |
| 1,1,1-Trichloroethane | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | 40 |
| Trichloroethene | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | <0.47 | 0.5 |
| Vinyl chloride | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | 0.02 |
| **Detected PCBs (µg/l)** | | | | | | | | | | | | | | |
| Aroclor 1242 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | -- |
| Aroclor 1248 | <0.12 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.12 | <0.13 | -- |
| Aroclor 1254 | <0.16 | <0.17 | <0.17 | <0.17 | <0.17 | <0.17 | <0.17 | <0.17 | <0.17 | <0.17 | <0.17 | <0.16 | <0.17 | -- |
| Aroclor 1260 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | -- |
| Total PCBs | <0.12 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.13 | <0.12 | <0.13 | 0.003 |

*Notes:*
refer to laboratory reports in Appendix 5 for data qualifiers
-- - not analyzed, not established or not applicable
* - sample ID changed from WC-03-2014 due to duplicate ID
** - an additional GAC vessel was added to the mobile storm water treatment system to address vinyl chloride breakthrough as documented in Progress Report #13 - June 2014 (dated 7-08-14)
GAC - granular activated carbon
MFL - million fibers per liter
NR - no results reported due to re-extraction/analysis needed due to surrogate issues
NR 140 - Wisconsin Administrative Code Chapter NR 140
PAL - preventive action limit
PCBs - polychlorinated biphenyls
µg/l - micrograms per liter
VOCs - volatile organic compounds (primary VOCs of concern are included in the table)

**TABLE 11**

**SUMMARY OF TUNNEL WATER POST-TREATMENT VERIFICATION SAMPLE ANALYTICAL RESULTS**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| **Sample ID** | W-T01-2014 | W-T02-2014 | W-T03-2014 | W-T04-2014 | W-T05-2014 | W-T06-2014 | W-T07-2014 | W-T08-2014 | W-T09-2014 | W-T10-2014 | W-T11-2014 | W-T12-2014 | W-T13-2014 | Treatment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date Sampled** | 7/3/2014 | 7/3/2014 | 7/7/2014 | 7/8/2014 | 7/9/2014 | 7/15/2014 | 7/16/2014 | 7/16/2014 | 7/17/2014 | 7/17/2014 | 7/24/2014 | 7/31/2014 | 7/31/2014 | Criteria [1] |
| **Detected RCRA Metals (µg/l)** | | | | | | | | | | | | | | |
| Arsenic | 7.1 | 10 | 4.0 | 3.5 | <2.4 | 4.6 | 3.3 | 3.9 | 3.1 | 3.0 | 2.2 | 1.7 | 2.9 | -- |
| Barium | 110 | 110 | 91.5 | 72.0 | 52.5 | 76 | 50 | 51 | 37 | 34 | 51 | 54 | 54 | -- |
| Cadmium | 0.21 | <0.15 | 0.30 | 0.30 | 0.30 | <0.15 | <0.15 | <0.15 | <0.15 | <0.15 | <0.15 | <0.15 | <0.15 | -- |
| Chromium | 0.84 | <0.63 | 0.90 | 1.0 | 0.80 | <0.63 | <0.63 | 0.65 | 0.97 | 1.1 | <0.63 | <0.63 | <0.63 | -- |
| Lead | 1.1 | 0.68 | 3.2 | 3.2 | 3.2 | 0.63 | 0.83 | 1.3 | 0.95 | 0.86 | 0.10 | <0.091 | <0.091 | -- |
| Selenium | <0.69 | 0.96 | <2.7 | 3.0 | <2.7 | <0.69 | <0.69 | <0.69 | <0.69 | <0.69 | <0.69 | <0.69 | <0.69 | -- |
| Mercury | <0.072 | 0.30 | <0.10 | <0.10 | <0.10 | 0.081 | <0.072 | <0.072 | <0.072 | <0.072 | <0.072 | <0.072 | <0.072 | -- |
| **VOCs (µg/l)** | | | | | | | | | | | | | | |
| Tetrachloroethene | <0.17 | <0.17 | <0.59 | <0.59 | <0.59 | <0.17 | <0.17 | <0.17 | <0.17 | <0.17 | <0.17 | <0.17 | <0.17 | 5 |
| Trichloroethene | <0.19 | <0.19 | <0.47 | <0.47 | <0.47 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | <0.19 | 5 |
| Vinyl chloride | <0.10 | <0.10 | <0.58 | <0.58 | <0.58 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | 0.2 |
| **Detected PCBs (µg/l)** | | | | | | | | | | | | | | |
| Aroclor 1248 | 0.61 | 0.38 | 0.19 | 0.35 | 0.42 | 0.35 | 0.48 | 0.57 | 0.51 | 0.62 | 0.19 | <0.19 | <0.19 | -- |
| Total PCBs | 0.61 | 0.38 | 0.19 | 0.35 | 0.42 | 0.35 | 0.48 | 0.57 | 0.51 | 0.62 | 0.19 | <0.19 | <0.19 | 3 |

*Notes:*

refer to laboratory reports in Appendix 5 for data qualifiers

[1]treatment criteria - PCBs < 3 µg/L and VOCs < NR 140 ESs as documented in USEPA-approved 17 June 2014 Demolition Plan Addendum No. 1

-- - no established treatment criteria

NR 140 ES - Wisconsin Administrative Code Chapter NR 140 enforcement standard

PCBs - polychlorinated biphenyls

RCRA - Resource Conservation and Recovery Act

µg/l - micrograms per liter

USEPA - United States Environmental Protection Agency

VOCs - volatile organic compounds (primary VOCs of concern are included in the table)

**TABLE 12**

**TUNNEL WATER DISPOSAL SUMMARY**
**ADVANCED DISPOSAL EMERALD PARK LANDFILL**
**MUSKEGO, WISCONSIN (FACILITY EPA ID WIR000003012)**

Milwaukee Die Casting Company (MDCC) Site
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (Gallons) |
|---|---|---|---|---|
| 08/18/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066711 | 5000 |
| 08/18/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066712 | 5000 |
| 08/18/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066713 | 5000 |
| 08/18/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066714 | 5000 |
| 08/18/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066715 | 5000 |
| 08/18/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066716 | 5000 |
| 08/18/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066717 | 5000 |
| 08/18/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13070002 | 5000 |
| 08/19/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066718 | 5000 |
| 08/19/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066719 | 5000 |
| 08/19/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066720 | 5000 |
| 08/19/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066721 | 1875 |
| 07/14/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066672 | 5000 |
| 07/14/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066673 | 5000 |
| 07/14/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066674 | 5000 |
| 07/14/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066701 | 5000 |
| 07/15/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066677 | 5000 |
| 07/15/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066678 | 5000 |
| 07/15/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066679 | 5000 |
| 07/15/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066680 | 5000 |
| 07/15/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066681 | 5000 |
| 07/15/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066682 | 5000 |
| 07/16/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066675 | 5000 |
| 07/16/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066683 | 5000 |
| 07/16/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066684 | 5000 |
| 07/16/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066685 | 5000 |
| 07/16/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066686 | 5000 |
| 07/16/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066687 | 5000 |
| 07/16/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066688 | 5000 |
| 07/16/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066689 | 5000 |
| 07/16/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066690 | 5000 |
| 07/21/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066691 | 5000 |
| 07/21/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066692 | 5000 |
| 07/21/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066693 | 5000 |
| 07/21/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066694 | 5000 |
| 07/21/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066695 | 5000 |
| 07/21/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066696 | 5000 |
| 07/21/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066697 | 5000 |
| 07/21/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066698 | 5000 |
| 07/21/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066699 | 5000 |
| 07/21/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066700 | 5000 |
| 07/22/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066702 | 5000 |
| 07/22/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066703 | 5000 |
| 07/22/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066704 | 5000 |
| 07/22/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066705 | 5000 |
| 07/22/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066706 | 5000 |
| 07/22/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066707 | 5000 |
| 07/22/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066708 | 5000 |
| 07/22/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066709 | 5000 |
| 07/22/2014 | TUNNEL WATER AFTER TREATMENT | 578899 | 13066710 | 5000 |
| | | | **TOTAL** | **246,875** |

**TABLE 13**

**SUMMARY OF SUPPLEMENTAL SOIL AND ASPHALT CHARACTERIZATION SAMPLE ANALYTICAL RESULTS**
**(NOT PREVIOUSLY PRESENTED IN A PROJECT DOCUMENT)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE DEPTH | SAMPLE DESCRIPTION | SAMPLE LOCATION | | | | | PCBs | | | | | CVOCs | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] | PCE [µg/kg] | TCE [µg/kg] |
| ASP-01-2014 | 5/13/2014 | 0-4" | asphalt | north of building | -- | -- | -- | -- | <0.150 | 2.5 | <0.150 | <0.130 | 2.5 | -- | -- |
| ASP-02-2014 | | 0-4" | | | -- | -- | -- | -- | <0.150 | 2.96 | <0.150 | <0.130 | 2.96 | -- | -- |
| ASP-03-2014 | | 0-4" | | | -- | -- | -- | -- | <0.140 | 2.49 | <0.140 | <0.120 | 2.49 | -- | -- |
| ASP-04-2014 | | 0-4" | | | -- | -- | -- | -- | <1.4 | 20.5 | <1.5 | <1.2 | 20.5 | -- | -- |
| SS-40-2014 | 11/13/2014 | 0-0.5' | hand auger soil borings | east off-Site | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2,410 | 58.6 |
| | | 2-3' | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4,840 | 173 |
| SS-41-2014 | | 0-0.5' | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | 9,310 | 939 [3] |
| | | 2-3' | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | 44,500 [3] | 19,600 [3] |
| SS-42-2014 | | 0-0.5' | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | 629 | <17 |
| | | 2-3' | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5,990 | 689 |
| SS-43-2014 | | 1-2' | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1,480 | 125 |
| | | 3-4' | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1,030 | 203 |
| TP-01 | 4/23/2015 | 2-3' | test pits | east off-Site | -- | -- | -- | sidewall | -- | -- | -- | -- | -- | 83 | 13 |
| TP-02 | | 2-3' | | | -- | -- | -- | sidewall | -- | -- | -- | -- | -- | 2,400 | 49 |
| HS-01-2015 | 5/19/2015 | -- | characterization grab samples | on-Site (central portion of clay cap) | 15654325.16 | 1399120.868 | 642 | sidewall | <0.49 | 1.8 | <0.49 | <0.27 | 1.8 | -- | -- |
| HS-02-2015 | | -- | | | 15654325.16 | 1399120.868 | 638 | sidewall | <0.50 | 7.4 | <0.50 | <0.27 | 7.4 | -- | -- |
| HS-03-2015 | | -- | | | 15654325.16 | 1399120.868 | 635 | sidewall | <5.3 | 910 | <5.3 | <2.9 | 910 [2] | -- | -- |
| HS-03A-2015 | 5/20/2015 | -- | | | 15654325.16 | 1399120.868 | 637 | sidewall | <0.48 | 93 | <0.48 | <0.26 | 93 | -- | -- |
| HS-04-2015 | 5/22/2015 | -- | | | 15654350.66 | 1399101.383 | 638 | sidewall | <0.55 | 32 | <0.55 | <0.30 | 32 | -- | -- |
| HS-05-2015 | | -- | | | 15654350.66 | 1399101.383 | 634 | sidewall | <2.0 | 620 | <2.0 | <1.1 | 620 [2] | -- | -- |
| HS-06-2015 | | -- | | | 15654350.41 | 1399115.38 | 638 | sidewall | <11 | 2,700 | <11 | <5.9 | 2,700 [2] | -- | -- |
| HS-07-2015 | | -- | | | 15654350.41 | 1399115.38 | 634 | sidewall | <2.5 | 1,000 | <2.5 | <1.4 | 1,000 [2] | -- | -- |
| HS-08-2015 | | -- | | | 15654345.41 | 1399116.38 | 638 | sidewall | <5.3 | 2,200 | <5.3 | <2.9 | 2,200 [2] | -- | -- |
| HS-09-2015 | | -- | | | 15654345.41 | 1399116.38 | 634 | sidewall | <4.9 | 1,200 | <4.9 | <2.7 | 1,200 [2] | -- | -- |
| HS-10-2015 | | -- | | | 15654315.42 | 1399110.617 | 638 | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 | -- | -- |
| HS-11-2015 | | -- | | | 15654315.42 | 1399110.617 | 634 | sidewall | <0.49 | 410 | <0.49 | <0.27 | 410 [2] | -- | -- |
| HS-12-2015 | | -- | | | 15654308.68 | 1399100.366 | 638 | sidewall | <5.1 | 1,700 | <5.1 | <2.8 | 1,700 [2] | -- | -- |
| HS-13-2015 | | -- | | | 15654308.68 | 1399100.366 | 634 | sidewall | <0.50 | 390 | <0.50 | <0.27 | 390 [2] | -- | -- |
| HS-DIS01 | 7/7/2015 | 0-0.5' | characterization grab samples | off-Site (southeast discharge area) | 15654185.03 | 1399225.479 | 640 | -- | <0.010 | 6.9 | <0.010 | <0.0055 | 6.9 [1] | -- | -- |
| HS-DIS02 | | 0-0.5' | | | 15654182.72 | 1399249.396 | 640 | -- | <0.011 | 0.20 | <0.011 | 0.23 | 0.43 | -- | -- |
| HS-DIS03 | | 0-0.5' | | | 15654182.66 | 1399272.952 | 639 | -- | <0.011 | 0.26 | <0.011 | 0.25 | 0.51 | -- | -- |
| HS-DIS04 | | 0-0.5' | | | 15654157.44 | 1399267.792 | 639 | -- | <0.012 | 0.10 | <0.012 | 0.15 | 0.25 | -- | -- |
| HS-DIS05 | | 0-0.5' | | | 15654156.94 | 1399242.146 | 640 | -- | <0.011 | 0.19 | <0.011 | 0.21 | 0.40 | -- | -- |
| HS-DIS06 | | 0-0.5' | | | 15654158.87 | 1399223.471 | 640 | -- | <0.013 | 1.0 | <0.013 | 1.2 | 2.2 [1] | -- | -- |
| HS-DIS07 | | 0-0.5' | | | 15654141.19 | 1399223.747 | 640 | -- | <0.015 | 1.2 | <0.015 | 1.0 | 2.2 [1] | -- | -- |
| HS-DIS08 | | 0-0.5' | | | 15654142.22 | 1399244.804 | 640 | -- | <0.012 | 0.30 | <0.012 | 0.34 | 0.64 | -- | -- |
| HS-DIS09 | | 0-0.5' | | | 15654145.1 | 1399264.055 | 639 | -- | <0.011 | 0.069 | <0.011 | <0.0062 | 0.069 | -- | -- |
| HS-DIS10 | | 0-0.5' | | on-Site (northwest discharge area) | 15654549.91 | 1398915.929 | 648 | -- | <0.010 | <0.012 | <0.010 | <0.0055 | <0.0055 | -- | -- |
| HS-DIS11 | | 0-0.5' | | | 15654551.91 | 1398894.124 | 647 | -- | <0.010 | <0.013 | <0.010 | <0.0057 | <0.0057 | -- | -- |
| HS-DIS12 | | 0-0.5' | | | 15654573.48 | 1398896.922 | 649 | -- | <0.011 | 0.019 | <0.011 | 0.057 | 0.076 | -- | -- |
| HS-DIS13 | | 0-0.5' | | | 15654573.96 | 1398919.156 | 648 | -- | <0.010 | <0.012 | <0.010 | 0.012 | 0.012 | -- | -- |
| USEPA RESIDENTIAL RSL | | | | | | | | | | | | | | 22,000 | 910 |
| USEPA INDUSTRIAL RSL | | | | | | | | | | | | | | 110,000 | 6,400 |

*Notes:*

shading: PCB or CVOC concentration > soil removal criteria
[1] > 1 mg/kg (total PCBs)
[2] > 100 mg/kg (total PCBs)
[3] > RSL (CVOCs)
refer to laboratory reports in Appendix 5 for for data qualifiers
-- - not analyzed or not applicable
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929
CVOCs - chlorinated volatile organic compounds

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
PCE - tetrachloroethene
RSL - USEPA Regional Screening Level
TCE - trichloroethene
µg/kg - micrograms per kilogram
USEPA - United States Environmental Protection Agency

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 4/7/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659215WAS | 45,740 |
| 4/7/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659216WAS | 43,560 |
| 4/7/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659217WAS | 43,600 |
| 4/7/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665745WAS | 38,940 |
| 4/7/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659104WAS | 42,660 |
| 4/7/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659105WAS | 45,240 |
| 4/7/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659106WAS | 44,540 |
| 4/8/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665746WAS | 44,180 |
| 4/8/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665747WAS | 41,500 |
| 4/8/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665748WAS | 45,020 |
| 4/8/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659064WAS | 43,240 |
| 4/8/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659210WAS | 49,460 |
| 4/8/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659107WAS | 43,240 |
| 4/8/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659108WAS | 43,380 |
| 4/8/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659109WAS | 48,900 |
| 4/8/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659110WAS | 47,060 |
| 4/8/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659111WAS | 50,120 |
| 4/8/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659112WAS | 45,320 |
| 4/8/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659113WAS | 46,440 |
| 4/16/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665752WAS | 45,080 |
| 4/16/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665751WAS | 45,380 |
| 4/16/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665753WAS | 38,720 |
| 4/16/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665754WAS | 40,260 |
| 4/16/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665755WAS | 44,300 |
| 4/16/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665756WAS | 45,340 |
| 4/17/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665758WAS | 48,720 |
| 4/17/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665759WAS | 44,720 |
| 4/17/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665757WAS | 45,000 |
| 4/17/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665760WAS | 45,860 |
| 4/17/2016 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665761WAS | 47,120 |
| 4/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665762WAS | 40,920 |
| 4/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665763WAS | 44,060 |
| 4/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665764WAS | 48,820 |
| 4/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659116WAS | 46,700 |
| 4/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665765WAS | 43,820 |
| 4/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665766WAS | 44,320 |
| 4/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659117WAS | 42,200 |
| 4/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659118WAS | 45,520 |
| 4/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659119WAS | 50,660 |
| 4/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659120WAS | 47,620 |
| 4/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659212WAS | 48,240 |
| 4/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659213WAS | 48,300 |
| 4/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665767WAS | 43,360 |
| 4/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659121WAS | 46,600 |
| 4/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665768WAS | 40,620 |
| 4/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665769WAS | 39,320 |
| 4/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665770WAS | 38,580 |
| 4/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659122WAS | 45,500 |
| 4/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659123WAS | 48,720 |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 4/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659065WAS | 44,180 |
| 4/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659214WAS | 50,340 |
| 4/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659009WAS | 50,180 |
| 4/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659010WAS | 49,340 |
| 4/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659124WAS | 47,380 |
| 4/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665771WAS | 44,020 |
| 4/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659125WAS | 45,000 |
| 4/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665772WAS | 42,820 |
| 4/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665773WAS | 44,680 |
| 4/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665774WAS | 42,740 |
| 4/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665775WAS | 39,700 |
| 4/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659126WAS | 55,240 |
| 4/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659127WAS | 47,220 |
| 4/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659128WAS | 45,700 |
| 4/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659129WAS | 46,980 |
| 4/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665776WAS | 40,580 |
| 4/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659130WAS | 45,140 |
| 4/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659131WAS | 43,260 |
| 4/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659011WAS | 51,040 |
| 4/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659012WAS | 48,000 |
| 4/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659123WAS | 48,720 |
| 4/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659013WAS | 51,260 |
| 4/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659134WAS | 46,200 |
| 4/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659133WAS | 42,080 |
| 4/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665777WAS | 44,100 |
| 4/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665778WAS | 45,960 |
| 4/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665779WAS | 46,600 |
| 4/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659014WAS | 51,480 |
| 4/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659135WAS | 47,580 |
| 4/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659136WAS | 49,880 |
| 4/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659137WAS | 45,900 |
| 4/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659138WAS | 44,960 |
| 4/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659140WAS | 47,580 |
| 4/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659015WAS | 50,700 |
| 4/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659016WAS | 50,500 |
| 4/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659066WAS | 38,940 |
| 4/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659067WAS | 40,340 |
| 4/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665783WAS | 44,380 |
| 4/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665780WAS | 45,340 |
| 4/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665781WAS | 44,400 |
| 4/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665782WAS | 46,400 |
| 4/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659017WAS | 50,540 |
| 4/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659139WAS | 42,760 |
| 4/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659141WAS | 49,740 |
| 4/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659142WAS | 45,760 |
| 4/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659143WAS | 48,480 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659068WAS | 37,680 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659069WAS | 40,780 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665784WAS | 44,120 |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665785WAS | 43,520 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665786WAS | 47,380 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665787WAS | 45,480 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665789WAS | 45,840 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659222WAS | 43,420 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665788WAS | 43,180 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659144WAS | 48,000 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659145WAS | 44,480 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659146WAS | 45,420 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659147WAS | 48,400 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659223WAS | 42,620 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659224WAS | 44,760 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659148WAS | 50,120 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659149WAS | 43,680 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659018WAS | 51,600 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665790WAS | 47,200 |
| 4/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665791WAS | 43,260 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665792WAS | 43,340 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659070WAS | 36,620 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665793WAS | 46,980 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665794WAS | 47,500 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665795WAS | 45,420 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659225WAS | 46,380 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659071WAS | 41,500 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665796WAS | 43,900 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665797WAS | 45,440 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659019WAS | 50,100 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659150WAS | 47,720 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659151WAS | 46,520 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659152WAS | 47,620 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659226WAS | 47,320 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659153WAS | 49,500 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659154WAS | 46,960 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659020WAS | 50,480 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659227WAS | 43,760 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659155WAS | 48,660 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665798WAS | 44,680 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659156WAS | 45,300 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665799WAS | 41,740 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665800WAS | 44,380 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665801WAS | 35,060 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659157WAS | 51,080 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659228WAS | 42,040 |
| 4/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659021WAS | 49,960 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665348WAS | 45,040 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665347WAS | 39,920 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665346WAS | 47,440 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665345WAS | 48,540 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665344WAS | 47,900 |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659158WAS | 44,440 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659072WAS | 36,480 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659073WAS | 40,260 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659229WAS | 45,160 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659075WAS | 43,340 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665343WAS | 48,220 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665342WAS | 46,020 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659230WAS | 42,680 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659022WAS | 50,660 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659159WAS | 44,080 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659023WAS | 50,740 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659160WAS | 54,340 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659024WAS | 47,260 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665341WAS | 46,980 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659161WAS | 48,960 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665340WAS | 42,540 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659162WAS | 44,720 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659163WAS | 48,040 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659232WAS | 43,900 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659233WAS | 52,820 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659164WAS | 42,960 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665339WAS | 43,320 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665338WAS | 39,520 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659165WAS | 45,400 |
| 4/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659166WAS | 47,500 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665336WAS | 41,560 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665335WAS | 45,820 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665337WAS | 46,900 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659076WAS | 39,380 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665334WAS | 45,880 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665333WAS | 46,440 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665332WAS | 43,560 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665331WAS | 42,920 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659167WAS | 46,360 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659077WAS | 43,080 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659025WAS | 51,500 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659168WAS | 45,640 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659026WAS | 50,800 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665330WAS | 45,420 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659169WAS | 46,380 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665329WAS | 36,240 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659170WAS | 52,000 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659171WAS | 47,940 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659234WAS | 48,520 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659172WAS | 45,540 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659235WAS | 48,040 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665328WAS | 42,000 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665327WAS | 42,500 |
| 4/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665173WAS | 49,560 |
| | | | **APRIL TOTAL (pounds)** | **8,924,700** |
| | | | **APRIL TOTAL (tons)** | **4,462.35** |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665325WAS | 41,420 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665326WAS | 44,360 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665324WAS | 46,320 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665323WAS | 48,040 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665322WAS | 48,020 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665321WAS | 47,260 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659236WAS | 44,180 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659174WAS | 45,040 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665320WAS | 50,280 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659078WAS | 39,220 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659079WAS | 43,200 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659028WAS | 51,680 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659029WAS | 50,180 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659030WAS | 50,420 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659176WAS | 41,580 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659237WAS | 38,660 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659177WAS | 49,760 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659178WAS | 50,460 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659231WAS | 52,040 |
| 05/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659179WAS | 41,920 |
| 05/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659180WAS | 50,160 |
| 05/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659181WAS | 50,440 |
| 05/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665319WAS | 46,000 |
| 05/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665318WAS | 52,160 |
| 05/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665317WAS | 47,780 |
| 05/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659238WAS | 44,040 |
| 05/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665316WAS | 47,000 |
| 05/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665315WAS | 48,240 |
| 05/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665314WAS | 46,100 |
| 05/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665313WAS | 45,480 |
| 05/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659239WAS | 49,800 |
| 05/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659182WAS | 45,160 |
| 05/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659032WAS | 54,100 |
| 05/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659240WAS | 49,420 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665312WAS | 44,700 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659183WAS | 52,100 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659031WAS | 50,840 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659033WAS | 50,480 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659184WAS | 47,680 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659185WAS | 38,260 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 67019SWAS | 45,600 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670196WAS | 45,960 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670198WAS | 41,480 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670197WAS | 52,800 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670199WAS | 44,140 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670200WAS | 43,740 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659080WAS | 39,000 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659186WAS | 48,940 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659187WAS | 53,020 |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659188WAS | 45,180 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659189WAS | 47,360 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659241WAS | 38,680 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659242WAS | 48,700 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659190WAS | 47,360 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659035WAS | 47,940 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670201WA5 | 46,700 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659036WA5 | 51,060 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659037WAS | 49,840 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659191WA5 | 42,520 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670202WAS | 45,980 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659243WAS | 43,400 |
| 05/05/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670203WAS | 51,860 |
| 05/06/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659192WAS | 47,260 |
| 05/06/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670204WAS | 50,720 |
| 05/06/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670205WAS | 43,300 |
| 05/06/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659193WAS | 44,680 |
| 05/06/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659194WAS | 44,220 |
| 05/06/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670206WAS | 43,480 |
| 05/06/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670207WAS | 43,120 |
| 05/06/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659195WAS | 52,960 |
| 05/06/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659038WAS | 47,260 |
| 05/06/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659196WAS | 48,620 |
| 05/06/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659081WAS | 36,760 |
| 05/06/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659197WAS | 55,180 |
| 05/06/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659198WAS | 52,480 |
| 05/06/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659199WAS | 47,080 |
| 05/06/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659039WAS | 49,160 |
| 05/06/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659200WAS | 50,480 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670108WAS | 45,460 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670209WAS | 44,880 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670210WAS | 49,920 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659040WAS | 51,680 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659203WAS | 49,720 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659201WAS | 53,560 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659202WAS | 45,780 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659244WAS | 44,980 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670355WAS | 48,380 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670211WAS | 48,360 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670212WAS | 43,220 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670359WAS | 49,560 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659041WAS | 51,020 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670213WAS | 45,460 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670360WAS | 48,440 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670361WAS | 48,000 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659042WAS | 50,080 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659082WAS | 39,760 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670362WAS | 47,700 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659245WAS | 47,760 |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670364WAS | 50,700 |
| 05/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659043WAS | 50,120 |
| 05/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670214WAS | 41,260 |
| 05/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670215WAS | 44,440 |
| 05/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670216WAS | 45,560 |
| 05/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670217WAS | 47,520 |
| 05/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659044WAS | 51,200 |
| 05/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670365WAS | 48,060 |
| 05/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659246WAS | 44,220 |
| 05/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670218WAS | 46,800 |
| 05/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670366WAS | 44,440 |
| 05/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659045WAS | 51,920 |
| 05/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670219WAS | 44,060 |
| 05/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659247WAS | 45,300 |
| 05/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670367WAS | 42,720 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670220WAS | 49,260 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670221WAS | 45,680 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670222WAS | 43,260 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659083WAS | 39,840 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670368WAS | 52,100 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670223WAS | 45,640 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670371WAS | 44,140 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670224WAS | 44,820 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670225WAS | 43,940 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670373WAS | 44,980 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659046WAS | 51,520 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670372WAS | 40,680 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670374WAS | 45,260 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670226WAS | 46,980 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670375WAS | 39,760 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659047WAS | 50,600 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670376WAS | 43,640 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670377WAS | 47,200 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659248WAS | 42,420 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670371WAS | 49,680 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665422WAS | 47,160 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670379WAS | 44,700 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665423WAS | 45,560 |
| 05/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659249WAS | 43,480 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670227WAS | 45,780 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670228WAS | 44,180 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665421WAS | 45,640 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659048WAS | 52,560 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659049WAS | 51,140 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665420WAS | 44,360 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670229WAS | 45,780 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659050WAS | 51,960 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665419WAS | 49,500 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665418WAS | 41,100 |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659084WAS | 40,280 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665311WAS | 45,100 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665417WAS | 49,480 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665416WAS | 44,320 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659250WAS | 46,320 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665310WAS | 46,080 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665415WAS | 50,840 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 66S414WAS | 45,340 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665413WAS | 44,740 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659051WAS | 49,020 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665309WAS | 53,060 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665398WAS | 52,220 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659052WAS | 49,740 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665397WAS | 51,420 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665396WAS | 49,300 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 66539SWAS | 52,260 |
| 05/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665394WAS | 45,600 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665308WAS | 45,580 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665393WAS | 49,000 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659053WAS | 51,100 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659054WAS | 50,040 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665392WAS | 59,720 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659085WAS | 37,880 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665302WAS | 46,420 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659055WAS | 51,600 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665390WAS | 42,880 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665304WAS | 44,980 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665303WAS | 44,440 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665391WAS | 43,580 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665301WAS | 46,040 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 66S389WAS | 57,640 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 66S300WAS | 45,940 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665388WAS | 53,880 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665387WAS | 54,280 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665386WAS | 49,600 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659251WAS | 46,500 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665385WAS | 49,900 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659056WAS | 48,700 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659086WAS | 46,180 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665384WAS | 48,300 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665383WAS | 50,740 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665382WAS | 53,400 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665381WAS | 44,200 |
| 05/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659252WAS | 42,640 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665299WAS | 45,780 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665298WAS | 44,140 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659057WAS | 49,600 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665380WAS | 50,320 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665296WAS | 43,400 |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665379WAS | 43,760 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665297WAS | 44,620 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659253WAS | 44,600 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659058WAS | 48,920 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659059WAS | 47,900 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665378WAS | 43,220 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665295WAS | 41,740 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665294WAS | 45,040 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659060WAS | 52,500 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665293WAS | 51,920 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665377WAS | 50,020 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665376WAS | 48,220 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665375WAS | 48,320 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659255WAS | 46,280 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659087WAS | 36,420 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665374WAS | 50,600 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665411WAS | 49,220 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665412WAS | 50,100 |
| 05/14/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659256WAS | 36,300 |
| 05/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665292WAS | 49,140 |
| 05/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665291WAS | 43,280 |
| 05/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665290WAS | 46,300 |
| 05/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659061WAS | 50,620 |
| 05/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659062WAS | 49,840 |
| 05/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659063WAS | 52,820 |
| 05/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665289WAS | 44,760 |
| 05/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665410WAS | 43,020 |
| 05/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665409WAS | 53,860 |
| 05/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665408WAS | 43,880 |
| 05/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665407WAS | 41,940 |
| 05/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665406WAS | 51,740 |
| 05/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659257WAS | 45,440 |
| 05/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659088WAS | 34,560 |
| 05/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665405WAS | 49,520 |
| 05/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665404WAS | 50,420 |
| 05/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659258WAS | 42,840 |
| 05/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665288WAS | 44,560 |
| 05/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665287WAS | 45,820 |
| 05/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665286WAS | 45,760 |
| 05/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665402WAS | 54,620 |
| 05/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665403WAS | 50,400 |
| 05/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665285WAS | 42,680 |
| 05/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665284WAS | 47,980 |
| 05/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665400WAS | 51,860 |
| 05/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665283WAS | 48,000 |
| 05/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665401WAS | 52,080 |
| 05/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659259WAS | 45,820 |
| 05/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659089WAS | 39,520 |
| 05/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665399WAS | 48,460 |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 05/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665373WAS | 46,240 |
| 05/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670258WAS | 48,820 |
| 05/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665372WAS | 49,720 |
| 05/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670259WAS | 53,020 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665282WAS | 45,740 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665281WAS | 46,300 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665280WAS | 45,240 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670260WAS | 49,580 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670261WAS | 52,160 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665371WAS | 46,740 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665370WAS | 55,100 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665369WAS | 46,820 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665279WAS | 44,260 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670262WAS | 52,320 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665368WAS | 47,860 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665367WAS | 42,140 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665278WAS | 43,140 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665366WAS | 54,340 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665365WAS | 48,340 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665364WAS | 47,800 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665363WAS | 47,900 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665362WAS | 44,580 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665361WAS | 47,100 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670263WAS | 50,180 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665359WAS | 51,920 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665361WAS | 51,460 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659260WAS | 47,340 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670264WAS | 53,400 |
| 05/19/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659261WAS | 43,320 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665277WAS | 45,280 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665276WAS | 42,680 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665275WAS | 46,960 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670265WAS | 49,560 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670266WAS | 52,780 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665356WAS | 53,460 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665355WAS | 51,280 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665354WAS | 56,020 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665358WAS | 53,160 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665357WAS | 42,360 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665274WAS | 42,440 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665352WAS | 42,980 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665353WAS | 53,780 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670267WAS | 50,360 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665273WAS | 43,040 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665351WAS | 44,160 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665350WAS | 54,180 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670268WAS | 50,300 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665349WAS | 51,380 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665925WAS | 56,480 |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665924WAS | 52,480 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659262WAS | 43,320 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665923WAS | 50,440 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665922WAS | 49,400 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665921WAS | 50,320 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670269WAS | 51,560 |
| 05/20/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659263WAS | 41,800 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665272WAS | 47,220 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665271WAS | 46,600 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665865WAS | 44,900 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670270WAS | 51,060 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670272WAS | 51,900 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670271WAS | 51,400 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665920WAS | 57,280 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665919WAS | 57,260 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665918WAS | 48,020 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665864WAS | 51,860 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665917WAS | 57,780 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665863WAS | 46,200 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665916WAS | 48,780 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665915WAS | 46,740 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665914WAS | 45,040 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665862WAS | 45,680 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665913WAS | 51,180 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670273WAS | 51,100 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665912WAS | 54,380 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665911WAS | 56,500 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665910WAS | 48,980 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665909WAS | 49,240 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665908WAS | 46,700 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665907WAS | 57,240 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670274WAS | 51,900 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659264WAS | 54,420 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665906WAS | 55,200 |
| 05/21/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 65926SWAS | 47,520 |
| 05/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665861WAS | 56,540 |
| 05/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670275WAS | 49,240 |
| 05/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665905WAS | 55,180 |
| 05/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665904WAS | 57,020 |
| 05/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665903WAS | 45,920 |
| 05/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670276WAS | 51,000 |
| 05/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665860WAS | 47,060 |
| 05/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665859WAS | 47,000 |
| 05/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665858WAS | 45,640 |
| 05/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665902WAS | 59,220 |
| 05/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 6658S7WAS | 44,560 |
| 05/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659266WAS | 44,180 |
| 05/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 6658S6WAS | 45,100 |
| 05/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665854WAS | 44,700 |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 05/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665853WAS | 53,420 |
| 05/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665852WAS | 50,000 |
| 05/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665855WAS | 47,240 |
| 05/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665900WAS | 43,440 |
| 05/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665899WAS | 47,660 |
| 05/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665898WAS | 43,660 |
| 05/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665901WAS | 54,180 |
| 05/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665851WAS | 42,280 |
| 05/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665897WAS | 43,480 |
| 05/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665850WAS | 45,840 |
| 05/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665896WAS | 44,120 |
| 05/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659267WAS | 42,780 |
| 05/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670278WAS | 50,500 |
| 05/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670277WAS | 49,320 |
| 05/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670279WAS | 50,360 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665849WAS | 44,420 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665848WAS | 44,680 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665847WAS | 44,540 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 66S846WAS | 43,960 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665845WAS | 46,720 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665895WAS | 44,460 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670280WAS | 50,620 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665894WAS | 47,960 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665893WAS | 48,640 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665892WAS | 47,460 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665891WAS | 46,460 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665890WAS | 49,420 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665844WAS | 44,900 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665889WAS | 50,920 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665888WAS | 50,220 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665887WAS | 47,360 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659268WAS | 40,800 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665886WAS | 51,280 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665885WAS | 57,180 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665884WAS | 51,960 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665883WAS | 48,120 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665882WAS | 47,860 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659269WAS | 47,680 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670281WAS | 51,100 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670282WAS | 51,460 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670283WAS | 50,740 |
| 05/27/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665881WAS | 52,840 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665843WAS | 48,000 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665842WAS | 48,180 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665841WAS | 51,240 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665840WAS | 53,040 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665839WAS | 47,200 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665880WAS | 46,620 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665879WAS | 47,840 |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670284WAS | 57,060 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665878WAS | 54,580 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665877WAS | 49,940 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665875WAS | 57,340 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665876WAS | 45,780 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665874WAS | 43,260 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665871WAS | 47,020 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665872WAS | 53,940 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659270WAS | 41,120 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665873WAS | 46,560 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665870WAS | 56,260 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665869WAS | 54,540 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665868WAS | 50,960 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670285WAS | 51,700 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665867WAS | 47,480 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670286WAS | 50,020 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670287WAS | 42,360 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 659271WAS | 48,340 |
| 05/28/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676142WAS | 46,000 |
| 05/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665838WAS | 44,220 |
| 05/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665837WAS | 45,460 |
| 05/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665836WAS | 41,800 |
| 05/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665866WAS | 41,800 |
| 05/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676082WAS | 42,240 |
| 05/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676081WAS | 47,000 |
| 05/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676077WAS | 42,900 |
| 05/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676141WAS | 42,400 |
| 05/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665834WAS | 42,780 |
| 05/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665833WAS | 46,000 |
| 05/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676076WAS | 39,280 |
| 05/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676075WAS | 47,800 |
| 05/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676140WAS | 42,900 |
| | | | **MAY TOTAL (pounds)** | **20,227,380** |
| | | | **MAY TOTAL (tons)** | **10,113.69** |
| 06/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665832WAS | 44,320 |
| 06/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665831WAS | 44,140 |
| 06/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665830WAS | 46,960 |
| 06/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665829WAS | 51,760 |
| 06/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676074WAS | 46,300 |
| 06/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670288WAS | 51,920 |
| 06/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670373WAS | 45,040 |
| 06/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676072WAS | 38,500 |
| 06/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665828WAS | 44,960 |
| 06/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676071WAS | 45,520 |
| 06/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676070WAS | 46,200 |
| 06/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670289WAS | 50,320 |
| 06/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665005WAS | 51,740 |
| 06/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676068WAS | 51,320 |
| 06/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676069WAS | 50,100 |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 06/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676067WAS | 50,480 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665827WAS | 47,120 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665826WAS | 48,420 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 66582SWAS | 41,200 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 666004WAS | 50,220 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676066WAS | 42,480 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 666003WAS | 50,320 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676065WAS | 44,280 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665823WAS | 44,220 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676064WAS | 41,420 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665822WAS | 45,080 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676063WAS | 45,520 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676062WAS | 46,120 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676061WAS | 55,180 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676059WAS | 41,540 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676060WAS | 44,540 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676139WAS | 45,880 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676138WAS | 41,840 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676058WAS | 52,380 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676057WAS | 42,040 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676056WAS | 42,940 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 666002WAS | 50,000 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 666001WAS | 51,800 |
| 06/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676055WAS | 44,660 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665821WAS | 44,100 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 666000WAS | 49,060 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665820WAS | 46,260 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665999WAS | 50,260 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676054WAS | 47,020 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665819WAS | 42,600 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676053WAS | 45,840 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676052WAS | 47,620 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676051WAS | 45,300 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676049WAS | 41,880 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676050WAS | 41,380 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676048WAS | 42,680 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665819WAS | 45,980 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676047WAS | 46,260 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676046WAS | 45,200 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 66599BWAS | 49,720 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665997WAS | 52,440 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676045WAS | 52,500 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676044WAS | 52,320 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676043WAS | 48,820 |
| 06/03/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676042WAS | 45,160 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665817WAS | 44,760 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665816WAS | 44,040 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665814WAS | 50,680 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665815WAS | 43,820 |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675041WAS | 49,980 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665995WAS | 51,780 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676040WAS | 55,780 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665996WAS | 49,880 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676039WAS | 48,540 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665813WAS | 44,920 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676038WAS | 51,720 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676037WAS | 49,640 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676036WAS | 48,440 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676035WAS | 46,220 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676034WAS | 47,160 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676033WAS | 50,360 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665812WAS | 48,120 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665994WAS | 51,660 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665993WAS | 51,900 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676031WAS | 51,140 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676032WAS | 52,180 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665811WAS | 45,940 |
| 06/04/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665810WAS | 47,780 |
| 06/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665809WAS | 44,060 |
| 06/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665808WAS | 45,320 |
| 06/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676030WAS | 44,420 |
| 06/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676029WAS | 52,800 |
| 06/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676028WAS | 58,000 |
| 06/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676027WAS | 49,540 |
| 06/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665807WAS | 42,900 |
| 06/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665992WAS | 50,440 |
| 06/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665991WAS | 52,220 |
| 06/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665990WAS | 50,360 |
| 06/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676026WAS | 50,380 |
| 06/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676025WAS | 48,980 |
| 06/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676024WAS | 52,180 |
| 06/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676023WAS | 47,900 |
| 06/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676022WAS | 51,420 |
| 06/09/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676021WAS | 49,060 |
| 06/09/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676019WAS | 44,200 |
| 06/09/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676018WAS | 44,400 |
| 06/09/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 665806WAS | 43,900 |
| 06/09/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676017WAS | 46,700 |
| 06/09/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675015WAS | 42,180 |
| 06/10/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675015WAS | 46,240 |
| 06/10/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676013WAS | 46,780 |
| 06/10/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676014WAS | 45,820 |
| 06/10/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676009WAS | 46,100 |
| 06/10/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676010WAS | 47,880 |
| 06/10/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676011WAS | 44,800 |
| 06/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676012WAS | 48,700 |
| 06/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676004WAS | 48,220 |
| 06/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676006WAS | 45,260 |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 06/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676005WAS | 44,440 |
| 06/11/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676007WAS | 44,880 |
| 06/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676008WAS | 44,400 |
| 06/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675999WAS | 43,860 |
| 06/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676000WAS | 42,460 |
| 06/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676001WAS | 44,940 |
| 06/12/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676002WAS | 45,940 |
| 06/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 676003WAS | 42,420 |
| 06/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670381WAS | 46,780 |
| 06/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 673998WAS | 45,640 |
| 06/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675997WAS | 46,800 |
| 06/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675996WAS | 45,980 |
| 06/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675994WAS | 43,760 |
| 06/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670382WAS | 49,240 |
| 06/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675995WAS | 46,860 |
| 06/15/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675993WAS | 46,260 |
| 06/16/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670383WAS | 53,800 |
| 06/16/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670384WAS | 47,640 |
| 06/16/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670385WAS | 49,380 |
| 06/16/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670386WAS | 49,520 |
| 06/16/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670387WAS | 45,040 |
| 06/16/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675991WAS | 47,440 |
| 06/16/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675990WAS | 43,560 |
| 06/16/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675989WAS | 41,440 |
| 06/17/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675988WAS | 44,460 |
| 06/17/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670388WAS | 52,580 |
| 06/17/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670389WAS | 60,080 |
| 06/17/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675987WAS | 44,760 |
| 06/17/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670390WAS | 46,840 |
| 06/17/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670391WAS | 44,000 |
| 06/17/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670392WAS | 42,960 |
| 06/17/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675986WAS | 45,000 |
| 06/17/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670394WAS | 51,560 |
| 06/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675985WAS | 45,500 |
| 06/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675984WAS | 45,620 |
| 06/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670393WAS | 50,080 |
| 06/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670395WAS | 45,440 |
| 06/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670396WAS | 44,440 |
| 06/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675983WAS | 43,220 |
| 06/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670397WAS | 43,220 |
| 06/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670398WAS | 48,860 |
| 06/18/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670399WAS | 52,420 |
| 06/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675979WAS | 47,620 |
| 06/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670402WAS | 44,120 |
| 06/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670404WAS | 47,980 |
| 06/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670401WAS | 43,980 |
| 06/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670400WAS | 46,360 |
| 06/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675981WAS | 47,180 |
| 06/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670403WAS | 50,360 |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 06/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675980WAS | 46,200 |
| 06/22/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670405WAS | 47,100 |
| 06/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675982WAS | 44,960 |
| 06/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675978WAS | 47,340 |
| 06/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670406WAS | 42,420 |
| 06/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670407WAS | 46,800 |
| 06/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670408WAS | 44,060 |
| 06/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670409WAS | 49,120 |
| 06/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670410WAS | 58,360 |
| 06/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675977WAS | 46,220 |
| 06/23/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670411WAS | 46,740 |
| 06/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675976WAS | 47,620 |
| 06/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670416WAS | 47,160 |
| 06/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675975WAS | 47,440 |
| 06/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670412WAS | 44,980 |
| 06/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670414WAS | 48,580 |
| 06/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670413WAS | 48,900 |
| 06/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670415WAS | 47,560 |
| 06/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675974WAS | 45,680 |
| 06/24/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670417WAS | 48,620 |
| 06/25/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675973WAS | 46,360 |
| 06/25/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670418WAS | 46,320 |
| 06/25/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670419WAS | 48,140 |
| 06/25/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670423WAS | 47,040 |
| 06/25/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670424WAS | 47,660 |
| 06/25/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670425WAS | 45,720 |
| 06/25/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675971WAS | 45,860 |
| 06/25/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 675970WAS | 48,580 |
| 06/25/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670426WAS | 52,020 |
| 06/25/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670420WAS | 53,460 |
| 06/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670230WAS | 47,240 |
| 06/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670231WAS | 44,480 |
| 06/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670421WAS | 45,420 |
| 06/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670422WAS | 43,860 |
| 06/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670427WAS | 45,380 |
| 06/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670428WAS | 46,220 |
| 06/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670429WAS | 48,500 |
| 06/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670430WAS | 44,000 |
| 06/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670233WAS | 45,340 |
| 06/26/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670431WAS | 51,520 |
| 06/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670237WAS | 46,500 |
| 06/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670432WAS | 44,820 |
| 06/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670433WAS | 55,020 |
| 06/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670434WAS | 41,960 |
| 06/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670435WAS | 48,100 |
| 06/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670238WAS | 48,900 |
| 06/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670436WAS | 44,820 |
| 06/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670239WAS | 45,260 |
| 06/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670437WAS | 48,200 |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14A**

**SOIL DISPOSAL SUMMARY - TSCA-REGULATED WASTE**
**HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL**
**ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 06/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 678443WAS | 52,280 |
| 06/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 678444WAS | 51,180 |
| 06/29/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 678445WAS | 51,500 |
| 06/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670240WAS | 44,940 |
| 06/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670241WAS | 45,940 |
| 06/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 678446WAS | 53,860 |
| 06/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 678447WAS | 53,440 |
| 06/30/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670242WAS | 45,920 |
| | | | **JUNE TOTAL (pounds)** | **10,351,520** |
| | | | **JUNE TOTAL (tons)** | **5,175.76** |
| 07/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670243WAS | 46,160 |
| 07/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670244WAS | 46,560 |
| 07/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670245WAS | 44,860 |
| 07/01/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670246WAS | 44,580 |
| 07/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670247WAS | 49,120 |
| 07/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670248WAS | 45,580 |
| 07/02/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670249WAS | 45,400 |
| 07/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 678448WAS | 47,920 |
| 07/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 678449WAS | 48,860 |
| 07/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 678450WAS | 48,560 |
| 07/07/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 678451WAS | 51,180 |
| 07/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 678452WAS | 51,220 |
| 07/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 678453WAS | 51,760 |
| 07/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 678454WAS | 50,760 |
| 07/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 67845SWAS | 49,860 |
| 07/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 678456WAS | 56,380 |
| 07/08/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 6784S7WAS | 47,440 |
| 07/09/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670250WAS | 50,180 |
| 07/09/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670251WAS | 47,960 |
| 07/10/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670252WAS | 46,680 |
| 07/10/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670253WAS | 45,180 |
| 07/10/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 6702S4WAS | 49,920 |
| 07/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 670255WAS | 45,320 |
| 07/13/2015 | PCB REMEDIATION WASTE SOIL AND CONCRETE | 143435-2 | 678413WAS | 45,800 |
| | | | **JULY TOTAL (pounds)** | **1,157,240** |
| | | | **JULY TOTAL (tons)** | **578.62** |
| | | | **TOTAL (tons)** | **20,330.42** |

Notes:
PCB - polychlorinated biphenyl
TSCA - Toxic Substances Control Act

**TABLE 14B**

**SOIL DISPOSAL SUMMARY - TSCA AND RCRA-REGULATED WASTE**
**VEOLIA ENVIRONMENTAL SERVICES INCINERATION FACILITY**
**PORT ARTHUR, TEXAS (FACILITY EPA ID TXD000838896)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 04/06/2015 | PCB/VOC SOIL | 749227 | 665734WAS | 44,760 |
| 04/06/2015 | PCB/VOC SOIL | 749227 | 665735WAS | 43,340 |
| 04/06/2015 | PCB/VOC SOIL | 749227 | 665736WAS | 43,660 |
| 04/06/2015 | PCB/VOC SOIL | 749227 | 665737WAS | 43,440 |
| 04/20/2015 | PCB/VOC SOIL | 749227 | 665738WAS | 44,420 |
| 04/20/2015 | PCB/VOC SOIL | 749227 | 665739WAS | 41,140 |
| 04/27/2015 | PCB/VOC SOIL | 749227 | 665740WAS | 44,000 |
| 04/27/2015 | PCB/VOC SOIL | 749227 | 665741WAS | 44,000 |
| | | | **TOTAL (pounds)** | **348,760** |
| | | | **TOTAL (tons)** | **174.38** |

*Notes:*
PCB - polychlorinated biphenyl
RCRA - Resource Conservation and Recovery Act
TSCA - Toxic Substances Control Act
VOC - volatile organic compound

**TABLE 14C**

**SOIL DISPOSAL SUMMARY - RCRA-REGULATED WASTE**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Ship Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| **HERITAGE ENVIRONMENTAL SERVICES INCINERATOR FACILITY, EAST LIVERPOOL, OHIO (FACILITY EPA ID OHD980613541)** | | | | |
| 05/11/2015 | RW,PCE&TCE-IMPACTED | 927410 | 659414WAS | 39,600 |
| 05/11/2015 | RW,PCE&TCE-IMPACTED | 927410 | 659415WAS | 39,960 |
| 05/11/2015 | RW,PCE&TCE-IMPACTED | 927410 | 659439WAS | 51,280 |
| 05/11/2015 | RW,PCE&TCE-IMPACTED | 927410 | 659440WAS | 48,720 |
| 05/11/2015 | RW,PCE&TCE-IMPACTED | 927410 | 659441WAS | 44,080 |
| 05/12/2015 | RW,PCE&TCE-IMPACTED | 927410 | 659416WAS | 37,700 |
| 05/12/2015 | RW,PCE&TCE-IMPACTED | 927410 | 659442WAS | 46,420 |
| 05/12/2015 | RW,PCE&TCE-IMPACTED | 927410 | 659443WAS | 47,300 |
| 05/13/2015 | RW,PCE&TCE-IMPACTED | 927410 | 659417WAS | 40,160 |
| 05/13/2015 | RW,PCE&TCE-IMPACTED | 927410 | 659418WAS | 41,500 |
| 05/13/2015 | RW,PCE&TCE-IMPACTED | 927410 | 659445WAS | 47,260 |
| 05/13/2015 | RW,PCE&TCE-IMPACTED | 927410 | 659446WAS | 49,040 |
| 05/14/2015 | RW,PCE&TCE-IMPACTED | 927410 | 659419WAS | 37,340 |
| 05/14/2015 | RW,PCE&TCE-IMPACTED | 927410 | 659444WAS | 46,240 |
| 05/14/2015 | RW,PCE&TCE-IMPACTED | 927410 | 659447WAS | 55,860 |
| | | | **TOTAL (pounds)** | **672,460** |
| | | | **TOTAL (tons)** | **336.23** |
| **HERITAGE ENVIRONMENTAL SERVICES SUBTITLE C LANDFILL, ROACHDALE, INDIANA (FACILITY EPA ID IND980503890)** | | | | |
| 05/15/2015 | REMEDIATION PCE AND TCE-IMPACTED SOIL | 938481 | 668095WAS | 46,140 |
| 05/15/2015 | REMEDIATION PCE AND TCE-IMPACTED SOIL | 938481 | 668096WAS | 47,100 |
| 05/15/2015 | REMEDIATION PCE AND TCE-IMPACTED SOIL | 938481 | 668097WAS | 48,700 |
| | | | **TOTAL (pounds)** | **141,940** |
| | | | **TOTAL (tons)** | **70.97** |

*Notes:*
PCE - tetrachloroethene
RCRA - Resource Conservation and Recovery Act
RW - RCRA waste
TCE - trichloroethene

**TABLE 14D**

**SOIL/DEBRIS DISPOSAL SUMMARY - NON-TSCA-REGULATED WASTE**
**ADVANCED DISPOSAL EMERALD PARK LANDFILL**
**MUSKEGO, WISCONSIN (FACILITY EPA ID WIR000003012)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Ship Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 05/20/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069440 | 15,300 |
| 05/20/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069441 | 54,020 |
| 05/20/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069442 | 16,260 |
| 05/28/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069444 | 14,460 |
| 05/28/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069445 | 26,500 |
| 05/28/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069446 | 38,660 |
| 05/28/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069447 | 39,220 |
| 05/28/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069448 | 49,080 |
| 05/28/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069449 | 47,560 |
| 05/28/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069450 | 46,760 |
| 05/28/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069451 | 44,420 |
| | | | **MAY TOTAL (pounds)** | **392,240** |
| | | | **MAY TOTAL (tons)** | **196.12** |
| 06/02/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069443 | 44,560 |
| 06/02/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069466 | 43,100 |
| 06/02/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069467 | 41,320 |
| 06/02/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069468 | 47,140 |
| 06/02/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069469 | 42,680 |
| 06/02/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069470 | 44,220 |
| 06/05/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069472 | 32,440 |
| 06/05/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069471 | 42,780 |
| 06/05/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 14069473 | 41,640 |
| 06/05/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069474 | 44,340 |
| 06/05/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 1306947S | 38,460 |
| 06/05/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069476 | 36,900 |
| 06/05/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069477 | 38,560 |
| 06/05/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069478 | 37,360 |
| 06/05/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069479 | 43,260 |
| 06/05/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069480 | 46,720 |
| 06/05/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069481 | 43,280 |
| 06/05/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069482 | 41,020 |
| 06/05/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069483 | 44,480 |
| 06/05/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069484 | 39,260 |
| 06/05/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069485 | 43,680 |
| 06/08/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069488 | 35,500 |
| 06/08/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069487 | 45,480 |
| 06/08/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069486 | 40,560 |
| 06/08/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069489 | 41,880 |

*Notes:*
RCRA - Resource Conservation and Recovery Act
TSCA - Toxic Substances Control Act

**TABLE 14D**

**SOIL/DEBRIS DISPOSAL SUMMARY - NON-TSCA-REGULATED WASTE**
**ADVANCED DISPOSAL EMERALD PARK LANDFILL**
**MUSKEGO, WISCONSIN (FACILITY EPA ID WIR000003012)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Ship Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 06/08/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069490 | 50,320 |
| 06/08/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069452 | 45,400 |
| 06/08/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069453 | 45,540 |
| 06/08/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069454 | 47,500 |
| 06/08/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069455 | 55,860 |
| 06/09/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069456 | 52,720 |
| 06/09/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069457 | 50,500 |
| 06/09/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069458 | 51,160 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069459 | 39,900 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069461 | 51,440 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069460 | 37,520 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069462 | 58,760 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069643 | 34,680 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069464 | 40,940 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069465 | 42,900 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069491 | 40,900 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069492 | 33,000 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069493 | 34,200 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069494 | 35,580 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069496 | 39,100 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069495 | 44,360 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069497 | 38,640 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069498 | 31,120 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069499 | 34,600 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069500 | 46,120 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069501 | 42,040 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069502 | 43,140 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069503 | 44,920 |
| 06/17/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069504 | 51,660 |
| 06/18/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069505 | 17,800 |
| 06/18/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069506 | 35,460 |
| 06/18/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069507 | 37,760 |
| 06/18/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069S08 | 34,940 |
| 06/18/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069509 | 27,000 |
| 06/18/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069511 | 44,260 |
| 06/18/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069512 | 46,780 |
| 06/18/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069513 | 33,960 |
| 06/18/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069514 | 47,060 |

*Notes:*
RCRA - Resource Conservation and Recovery Act
TSCA - Toxic Substances Control Act

**TABLE 14D**

**SOIL/DEBRIS DISPOSAL SUMMARY - NON-TSCA-REGULATED WASTE**
**ADVANCED DISPOSAL EMERALD PARK LANDFILL**
**MUSKEGO, WISCONSIN (FACILITY EPA ID WIR000003012)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Ship Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 06/18/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069516 | 53,840 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069515 | 47,360 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069517 | 52,220 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069518 | 52,400 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069519 | 50,240 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069520 | 51,460 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069528 | 47,320 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069529 | 46,100 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069530 | 50,360 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069532 | 45,660 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069522 | 52,360 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069523 | 40,980 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069521 | 45,340 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069524 | 47,680 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069525 | 45,420 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069526 | 46,160 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069531 | 46,000 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069527 | 45,340 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069533 | 39,760 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069534 | 40,480 |
| 06/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069535 | 36,260 |
| 06/26/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069536 | 49,700 |
| 06/26/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069539 | 50,300 |
| 06/26/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069538 | 32,240 |
| 06/26/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069537 | 44,560 |
| 06/26/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069582 | 42,240 |
| 06/26/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069583 | 41,440 |
| 06/26/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069584 | 25,140 |
| 06/26/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069585 | 43,380 |
| | | | **JUNE TOTAL (pounds)** | **3,941,900** |
| | | | **JUNE TOTAL (tons)** | **1,970.95** |
| 07/10/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069590 | 29,040 |
| 07/10/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069591 | 39,120 |
| 07/10/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069592 | 40,280 |
| 07/10/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069593 | 43,460 |
| 07/10/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069594 | 34,440 |
| 07/10/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069595 | 35,660 |
| 07/10/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069596 | 42,240 |

*Notes:*
RCRA - Resource Conservation and Recovery Act
TSCA - Toxic Substances Control Act

**TABLE 14D**

**SOIL/DEBRIS DISPOSAL SUMMARY - NON-TSCA-REGULATED WASTE**
**ADVANCED DISPOSAL EMERALD PARK LANDFILL**
**MUSKEGO, WISCONSIN (FACILITY EPA ID WIR000003012)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Ship Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 07/10/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069597 | 39,480 |
| 07/10/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069598 | 39,920 |
| 07/10/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069599 | 36,300 |
| 07/10/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069600 | 38,360 |
| 07/10/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069601 | 40,660 |
| 07/10/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069602 | 40,200 |
| 07/10/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069603 | 38,440 |
| 07/10/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069604 | 39,040 |
| 07/10/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069605 | 38,860 |
| 07/15/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069606 | 42,400 |
| 07/15/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069607 | 41,400 |
| 07/15/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069609 | 42,860 |
| 07/15/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069611 | 48,600 |
| 07/15/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069610 | 48,160 |
| 07/15/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069612 | 51,520 |
| 07/15/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069614 | 53,000 |
| 07/15/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069615 | 41,440 |
| 07/15/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069516 | 42,440 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069651 | 47,780 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069652 | 39,960 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069650 | 40,200 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069649 | 42,940 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069648 | 46,800 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069653 | 40,100 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069654 | 49,640 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069655 | 48,340 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069656 | 50,080 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069657 | 50,320 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069659 | 47,620 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069660 | 47,400 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069658 | 43,980 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069661 | 41,800 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069662 | 47,340 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069663 | 45,420 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069664 | 43,740 |
| 07/30/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069665 | 46,780 |
| | | | **JULY TOTAL (pounds)** | **1,847,560** |
| | | | **JULY TOTAL (tons)** | **923.78** |

*Notes:*
RCRA - Resource Conservation and Recovery Act
TSCA - Toxic Substances Control Act

**TABLE 14D**

**SOIL/DEBRIS DISPOSAL SUMMARY - NON-TSCA-REGULATED WASTE**
**ADVANCED DISPOSAL EMERALD PARK LANDFILL**
**MUSKEGO, WISCONSIN (FACILITY EPA ID WIR000003012)**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Ship Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (pounds) |
|---|---|---|---|---|
| 08/03/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069666 | 38,720 |
| 08/03/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 16069667 | 39,120 |
| 08/03/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069668 | 45,600 |
| 08/03/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069669 | 15,700 |
| 08/07/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069670 | 47,160 |
| 08/07/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069671 | 49,220 |
| 08/07/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069672 | 42,160 |
| 08/07/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069673 | 50,240 |
| 08/07/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069674 | 48,480 |
| 08/07/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069675 | 54,020 |
| 08/07/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069676 | 24,460 |
| 08/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069586 | 11,960 |
| 08/25/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069587 | 35,860 |
| | | | **AUGUST TOTAL (pounds)** | **502,700** |
| | | | **AUGUST TOTAL (tons)** | **251.35** |
| 09/14/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069588 | 32,140 |
| 09/14/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13065889 | 29,020 |
| 09/14/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069617 | 48,660 |
| 09/14/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069847 | 46,020 |
| 09/14/2015 | NON-TSCA, NON-RCRA DEBRIS | EPL2015-039 | 13069645 | 48,660 |
| | | | **SEPTEMBER TOTAL (pounds)** | **204,500** |
| | | | **SEPTEMBER TOTAL (tons)** | **102.25** |
| | | | **TOTAL (tons)** | **3,444.45** |

*Notes:*
RCRA - Resource Conservation and Recovery Act
TSCA - Toxic Substances Control Act

**TABLE 15A**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - OFF-SITE UNSATURATED PCB AND CVOC-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | | CVOCs | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] | PCE [µg/kg] | TCE [µg/kg] |
| VW-0001 | 4/6/2015 | east off-Site | 15654402.59 | 1399227.87 | 636.0 | JJ22-E | sidewall | -- | -- | -- | -- | -- | 3,400 | 180 |
| VW-5001* | 4/6/2015 | | 15654402.59 | 1399227.87 | 636.0 | JJ22-E | sidewall | -- | -- | -- | -- | -- | | |
| VW-0002 | 4/6/2015 | | 15654390.85 | 1399217.62 | 636.0 | II23-E | sidewall | -- | -- | -- | -- | -- | 18,000 | 2,300 [3] |
| VW-0003*** | 4/6/2015 | | 15654402.85 | 1399212.87 | 636.0 | II22 | sidewall | -- | -- | -- | -- | -- | 14,000 | 1,200 |
| VW-0004 | 4/6/2015 | | 15654412.59 | 1399223.12 | 636.0 | JJ21 | sidewall | -- | -- | -- | -- | -- | 1,300,000 [4] | 140,000 [4] |
| VW-0006C | 4/7/2015 | | 15654537.30 | 1399236.17 | 635.8 | KK9-N | sidewall | <0.56 | 16 | <0.56 | 6.2 | 23.1 [1] | -- | -- |
| VW-5006C* | 4/7/2015 | | 15654537.30 | 1399236.17 | 635.8 | KK9-N | sidewall | <0.56 | 17 | <0.56 | 6.1 | | -- | -- |
| VW-0007C | 4/7/2015 | | 15654537.55 | 1399226.18 | 636.0 | JJ9-N | sidewall | <0.55 | <0.67 | <0.55 | <0.30 | <0.30 | -- | -- |
| VW-0008C | 4/7/2015 | | 15654532.55 | 1399221.18 | 636.0 | JJ9-W | sidewall | <0.57 | 4.7 | <0.57 | 1.2 | 5.9 [1] | -- | -- |
| VW-0009C | 4/7/2015 | | 15654532.30 | 1399241.17 | 635.2 | KK9-E | sidewall | <0.56 | 25 | <0.56 | 9.7 | 34.7 [1] | -- | -- |
| VW-0010C | 4/7/2015 | | 15654522.56 | 1399220.92 | 635.5 | JJ10-W | sidewall | <0.57 | 39 | <0.57 | 6.7 | 45.7 [1] | -- | -- |
| VW-0011C | 4/7/2015 | | 15654522.30 | 1399240.92 | 635.6 | KK10-E | sidewall | <0.56 | 4.5 | <0.56 | 1.7 | 6.2 [1] | -- | -- |
| VW-0012 | 4/7/2015 | | 15654527.56 | 1399220.92 | 637.5 | JJ10-N | sidewall | -- | -- | -- | -- | -- | 210 | 330 |
| VW-0013 | 4/7/2015 | | 15654537.55 | 1399231.18 | 634.8 | JJ9-N | sidewall | -- | -- | -- | -- | -- | 7.7 | <5.2 |
| VW-0014 | 4/7/2015 | | 15654527.30 | 1399241.17 | 634.5 | KK9-E | sidewall | -- | -- | -- | -- | -- | 83 | 9.5 |
| VW-0015C | 4/7/2015 | | 15654512.56 | 1399220.67 | 636.0 | JJ11-W | sidewall | <0.54 | 92 | <0.54 | 10 | 102 [2] | -- | -- |
| VW-0016C | 4/7/2015 | | 15654512.30 | 1399240.66 | 635.7 | KK11-E | sidewall | <0.52 | 3.6 | <0.52 | 0.95 | 4.55 [1] | -- | -- |
| VW-0017C | 4/8/2015 | | 15654502.31 | 1399240.41 | 635.5 | KK12-E | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 | -- | -- |
| VW-0018C | 4/8/2015 | | 15654502.56 | 1399220.41 | 635.5 | JJ12-W | sidewall | <0.54 | 4.7 | <0.54 | 1.3 | 6.0 [1] | -- | -- |
| VW-0019 | 4/7/2015 | | 15654507.30 | 1399240.66 | 637.0 | KK11-E | sidewall | -- | -- | -- | -- | -- | 160 | 6.2 |
| VW-0020 | 4/7/2015 | | 15654507.56 | 1399220.41 | 637.2 | JJ12-W | sidewall | -- | -- | -- | -- | -- | 20 | <4.9 |
| VW-0021 | 4/8/2015 | | 15654497.31 | 1399240.15 | 637.3 | KK13-N | sidewall | -- | -- | -- | -- | -- | 21 | <5.3 |
| VW-0022 | 4/8/2015 | | 15654497.56 | 1399220.16 | 637.4 | JJ13-W | sidewall | -- | -- | -- | -- | -- | 880 | 570 |
| VW-0023 | 4/8/2015 | | 15654484.81 | 1399239.90 | 637.5 | KK14-E | sidewall | -- | -- | -- | -- | -- | 37 | <4.4 |
| VW-0024 | 4/8/2015 | | 15654485.07 | 1399219.90 | 637.5 | JJ14-W | sidewall | -- | -- | -- | -- | -- | 65 | 26 |
| VW-0025 | 4/8/2015 | | 15654474.82 | 1399229.65 | 638.0 | KK15-W | sidewall | -- | -- | -- | -- | -- | 61 | 6.2 |
| VW-0026C | 4/8/2015 | | 15654492.31 | 1399240.15 | 635.9 | KK13-E | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 | -- | -- |
| VW-0027C | 4/8/2015 | | 15654492.56 | 1399220.16 | 635.9 | JJ13-W | sidewall | <0.53 | 160 | <0.53 | 82 | 242 [2] | -- | -- |
| VW-0028C | 4/8/2015 | | 15654482.31 | 1399239.90 | 635.5 | KK14-E | sidewall | <0.49 | <0.60 | <0.49 | <0.27 | <0.27 | -- | -- |
| VW-0029C | 4/8/2015 | | 15654482.57 | 1399219.90 | 636.0 | JJ14-W | sidewall | <0.54 | 45 | <0.54 | 21 | 66 [2] | -- | -- |
| VW-0030C | 4/8/2015 | | 15654472.32 | 1399234.65 | 636.5 | KK15 | sidewall | <0.51 | 54 | <0.51 | 21 | 75 [2] | -- | -- |
| VW-0031C | 4/8/2015 | | 15654474.57 | 1399226.65 | 636.5 | JJ15 | sidewall | <0.52 | 88 | <0.52 | 34 | 122 [2] | -- | -- |
| VW-0032C | 4/8/2015 | | 15654343.86 | 1399234.34 | 637.5 | KK28-E | sidewall | <0.54 | 22 | <0.54 | 0.99 | 22.99 [1] | -- | -- |
| VW-0033C | 4/8/2015 | | 15654339.86 | 1399231.34 | 638.0 | KK28-S | sidewall | <0.54 | 660 | <0.54 | 14 | 674 [2] | -- | -- |
| VW-0034C | 4/8/2015 | | 15654344.36 | 1399226.34 | 638.0 | KK28-W | sidewall | <0.56 | 320 | <0.56 | 47 | 367 [2] | -- | -- |
| VW-0035C | 4/8/2015 | | 15654349.36 | 1399231.60 | 637.6 | KK27-S | sidewall | <0.52 | 12 | <0.52 | 0.93 | 12.93 [1] | -- | -- |
| VB-0036C | 4/8/2015 | | 15654344.36 | 1399231.34 | 636.5 | KK28 | base | <0.55 | 24 | <0.55 | 1.2 | 25.2 [1] | -- | -- |
| VW-0045C | 4/17/2015 | | 15654467.57 | 1399224.65 | 636.7 | JJ15-S | sidewall | <0.54 | 17 | <0.54 | 4.9 | 21.9 [1] | -- | -- |
| VW-0046C | 4/17/2015 | | 15654467.32 | 1399236.15 | 636.5 | KK15-S | sidewall | <0.52 | 19 | <0.52 | 4.8 | 23.8 [1] | -- | -- |
| VW-0047C | 4/17/2015 | | 15654470.32 | 1399241.65 | 635.3 | KK15-E | sidewall | <0.50 | 60 | <0.50 | 11 | 71 [2] | -- | -- |
| VW-0048C | 4/17/2015 | | 15654538.81 | 1399218.68 | 636.2 | II9-N | sidewall | <0.54 | 7.2 | <0.54 | 1.0 | 8.2 [1] | -- | -- |
| VW-5048C* | 4/17/2015 | | 15654538.81 | 1399218.68 | 636.2 | II9-N | sidewall | <0.55 | <0.66 | <0.55 | <0.30 | | -- | -- |
| VW-0049C | 4/17/2015 | | 15654382.85 | 1399213.36 | 637.5 | II24 | sidewall | <0.53 | 220 | <0.53 | 13 | 233 [2] | -- | -- |
| VW-0050C | 4/17/2015 | | 15654372.86 | 1399214.11 | 637.4 | II25 | sidewall | <0.52 | 410 | <0.52 | 90 | 500 [2] | -- | -- |
| VW-0051C | 4/17/2015 | | 15654371.10 | 1399222.11 | 636.4 | JJ25 | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 | -- | -- |
| VW-0052C | 4/17/2015 | | 15654382.35 | 1399230.36 | 636.1 | KK24 | sidewall | <0.53 | <0.64 | <0.53 | 0.41 | 0.41 | -- | -- |
| VW-0053C | 4/17/2015 | | 15654387.34 | 1399235.11 | 636.1 | KK23-S | sidewall | <0.53 | 8.0 | <0.53 | 0.74 | 8.74 [1] | -- | -- |
| VW-0054C | 4/17/2015 | | 15654388.59 | 1399242.61 | 636.1 | LL23-S | sidewall | <0.54 | <0.65 | <0.54 | <0.30 | <0.30 | -- | -- |
| VW-0055C | 4/17/2015 | | 15654392.09 | 1399247.61 | 636.1 | LL23-E | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 | -- | -- |
| VW-0056C | 4/17/2015 | | 15654402.09 | 1399247.86 | 635.9 | LL22-E | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 | -- | -- |
| | | | | | | | | | | | | USEPA RESIDENTIAL RSL | 22,000 | 910 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than off-Site soil removal criteria; additional soil removal and subsequen additional verification sample collection conducted at this location |
| [1] | total PCBs > 1 mg/kg (greater than off-Site PCB-impacted soil removal criterion) |
| [2] | total PCBs > 50 mg/kg (greater than location criteria for on-Site placement within Clay Cap Area) |
| [3] | CVOCs > USEPA residential RSL (greater than off-Site CVOC-impacted soil removal criterion) |
| [4] | > 10 x the landfill disposal restriction (60,000 µg/kg) |

refer to laboratory reports in Appendix 5 for data qualifiers
-- - not analyzed or not applicable
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929
*** - sample was collected just inside the property boundary; therefore, CVOC concentrations were compared to the industrial RSLs

CVOCs - chlorinated volatile organic compounds
mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
PCE - tetrachloroethene
RSL - USEPA Regional Screening Level
TCE - trichloroethene
µg/kg - micrograms per kilogram
USEPA - United States Environmental Protection Agency
VB - verification base sample
VW - verification wall sample

**TABLE 15A**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - OFF-SITE UNSATURATED PCB AND CVOC-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | | CVOCs | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] | PCE [µg/kg] | TCE [µg/kg] |
| VW-0057C | 4/17/2015 | east off-Site | 15654412.08 | 1399250.62 | 636.1 | LL21-E | sidewall | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 | -- | -- |
| VW-0058C | 4/17/2015 | | 15654417.08 | 1399243.12 | 636.0 | LL21-N | sidewall | <0.49 | 2.1 | <0.49 | <0.27 | 2.1 [1] | -- | -- |
| VW-0059 | 4/17/2015 | | 15654377.85 | 1399214.86 | 637.4 | II24-S | sidewall | -- | -- | -- | -- | -- | 6,300 | |
| VW-5059* | 4/17/2015 | | 15654377.85 | 1399214.86 | 637.4 | II24-S | sidewall | -- | -- | -- | -- | -- | | 840 |
| VW-0060 | 4/17/2015 | | 15654377.60 | 1399227.36 | 636.2 | JJ24-E | sidewall | -- | -- | -- | -- | -- | 770 | 120 |
| VW-0061 | 4/17/2015 | | 15654386.35 | 1399234.36 | 636.1 | KK24 | sidewall | -- | -- | -- | -- | -- | 4,900 | 420 |
| VW-0069C | 4/17/2015 | | 15654350.11 | 1399224.10 | 637.5 | JJ27-S | sidewall | <0.54 | 25 | <0.54 | 1.2 | 26.2 [1] | -- | -- |
| VW-0070C | 4/17/2015 | | 15654347.61 | 1399220.60 | 637.5 | JJ27-S | sidewall | <0.55 | 34 | <0.55 | 4.7 | 38.7 [1] | -- | -- |
| VW-0071C | 4/17/2015 | | 15654342.61 | 1399220.34 | 637.5 | JJ28 | sidewall | <0.54 | 5.3 | <0.54 | 0.86 | 6.16 [1] | -- | -- |
| VW-0072C | 4/17/2015 | | 15654335.61 | 1399223.84 | 637.5 | JJ28-S | sidewall | <0.54 | 6.0 | <0.54 | 0.90 | 6.90 [1] | -- | -- |
| VW-0073C | 4/17/2015 | | 15654335.36 | 1399231.34 | 636.0 | KK28-S | sidewall | <0.55 | 5.9 | <0.55 | 1.2 | 7.1 [1] | -- | -- |
| VW-0074C | 4/17/2015 | | 15654339.86 | 1399236.34 | 637.9 | KK28-E | sidewall | <0.53 | 88 | <0.53 | <0.29 | 88 [2] | -- | -- |
| VB-0075C | 4/17/2015 | | 15654349.11 | 1399223.60 | 636.4 | JJ27 | base | <0.55 | 6.6 | <0.55 | <0.30 | 6.6 [1] | -- | -- |
| VB-0076C | 4/17/2015 | | 15654342.61 | 1399223.34 | 636.3 | JJ28 | base | <0.54 | <0.65 | <0.54 | <0.29 | <0.29 | -- | -- |
| VB-0077C | 4/17/2015 | | 15654339.36 | 1399231.34 | 637.0 | KK28-S | base | <0.50 | <0.61 | <0.50 | <0.28 | <0.28 | -- | -- |
| VW-0089 | 4/20/2015 | | 15654417.59 | 1399228.38 | 636.0 | JJ20-S | sidewall | -- | -- | -- | -- | -- | 99,000 [4] | 1,100 [3] |
| VW-0090 | 4/20/2015 | | 15654422.59 | 1399223.38 | 637.0 | JJ20 | sidewall | -- | -- | -- | -- | -- | 53,000 [3] | 2,600 [3] |
| VW-0091 | 4/20/2015 | | 15654417.84 | 1399213.38 | 637.0 | II20 | sidewall | -- | -- | -- | -- | -- | 5,300 | 740 |
| VW-0092C | 4/20/2015 | | 15654337.10 | 1399238.84 | 637.6 | LL28 | sidewall | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 | -- | -- |
| VW-0115C | 4/24/2015 | | 15654342.87 | 1399213.85 | 637.5 | II28 | sidewall | <0.52 | 250 | <0.52 | 36 | 286 [2] | -- | -- |
| VW-5115C* | 4/24/2015 | | 15654342.87 | 1399213.85 | 637.5 | II28 | sidewall | <0.51 | 140 | <0.51 | 22 | | -- | -- |
| VW-0116C | 4/24/2015 | | 15654332.87 | 1399213.59 | 637.5 | II29 | sidewall | <0.52 | 64 | <0.52 | 20 | 84 [2] | -- | -- |
| VW-0117C | 4/24/2015 | | 15654322.87 | 1399213.34 | 637.5 | II30 | sidewall | <0.51 | 10 | <0.51 | 1.0 | 11.0 [1] | -- | -- |
| VW-0118C | 4/24/2015 | | 15654312.88 | 1399213.09 | 637.5 | II31 | sidewall | <0.54 | 1.5 | <0.54 | <0.29 | 1.5 [1] | -- | -- |
| VB-0126C | 4/24/2015 | east off-Site (mid-central sewer area) | 15654252.13 | 1399239.05 | 634.6 | LL37 | base | <0.56 | <0.68 | <0.56 | <0.31 | <0.31 | -- | -- |
| VB-0127C | 4/24/2015 | | 15654252.39 | 1399229.05 | 634.6 | KK37 | base | <0.51 | 0.85 | <0.51 | <0.28 | 0.85 | -- | -- |
| VW-0128C | 4/24/2015 | | 15654257.39 | 1399229.05 | 636.5 | KK37-N | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 | -- | -- |
| VW-0129C | 4/24/2015 | | 15654257.13 | 1399239.05 | 636.5 | LL37-N | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 | -- | -- |
| VW-0130C | 4/24/2015 | | 15654249.13 | 1399239.05 | 636.5 | LL37-S | sidewall | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 | -- | -- |
| VW-0131C | 4/24/2015 | | 15654247.39 | 1399229.05 | 636.5 | KK37-S | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 | -- | -- |
| VW-0164 | 4/27/2015 | east off-Site | 15654427.58 | 1399221.13 | 635.0 | JJ19 | sidewall | -- | -- | -- | -- | -- | 760 | 180 |
| VW-0165 | 4/27/2015 | | 15654422.33 | 1399233.38 | 635.0 | KK20 | sidewall | -- | -- | -- | -- | -- | 2,300 | 220 |
| VW-5165* | 4/27/2015 | | 15654422.33 | 1399233.38 | 635.0 | KK20 | sidewall | -- | -- | -- | -- | -- | | |
| VW-AP01 | 4/28/2015 | east off-Site (guy wire anchor area) | 15654521.28 | 1399274.40 | 635.8 | OO10 | sidewall | <0.010 | 1.2 | <0.010 | 0.76 | 1.96 [1] | -- | -- |
| VW-AP02 | 4/28/2015 | | 15654514.79 | 1399273.65 | 634.8 | OO11-N | sidewall | <0.010 | 0.15 | <0.010 | 0.11 | 0.26 | -- | -- |
| VW-AP03 | 4/29/2015 | | 15654532.03 | 1399271.16 | 635.8 | NN9-E | sidewall | <0.010 | <0.012 | <0.010 | <0.0055 | <0.0055 | -- | -- |
| VW-AP04 | 4/29/2015 | | 15654532.53 | 1399264.16 | 635.8 | NN9 | sidewall | <0.010 | 0.094 | <0.010 | 0.12 | 0.214 | -- | -- |
| VW-AP05 | 4/29/2015 | | 15654509.80 | 1399258.16 | 635.5 | MM11 | sidewall | <0.011 | 0.094 | <0.011 | 0.10 | 0.194 | -- | -- |
| VW-AP06 | 4/29/2015 | | 15654509.54 | 1399263.65 | 635.5 | NN11 | sidewall | <0.010 | 0.27 | <0.010 | 0.21 | 0.48 | -- | -- |
| VW-0184C | 4/30/2015 | east off-Site | 15654422.33 | 1399235.88 | 635.9 | KK20-E | sidewall | <0.52 | 4.1 | <0.52 | 1.4 | 5.5 [1] | -- | -- |
| VW-0185C | 4/30/2015 | | 15654432.33 | 1399236.63 | 635.9 | KK19-E | sidewall | <0.53 | 3.3 | <0.53 | 1.1 | 4.4 [1] | -- | -- |
| VW-0186C | 4/30/2015 | | 15654442.33 | 1399237.38 | 636.0 | KK18-E | sidewall | <0.54 | <0.65 | <0.54 | <0.29 | <0.29 | -- | -- |
| VW-0187C | 4/30/2015 | | 15654448.33 | 1399233.88 | 636.5 | KK18-N | sidewall | <0.54 | 13 | <0.54 | 9.8 | 22.8 [1] | -- | -- |
| VW-0188C | 4/30/2015 | | 15654448.58 | 1399223.89 | 636.8 | JJ18-N | sidewall | <0.53 | 190 | <0.53 | 73 | 263 [2] | -- | -- |
| VW-0189C | 4/30/2015 | | 15654442.58 | 1399216.89 | 637.0 | JJ18-W | sidewall | <0.51 | 110 | <0.51 | 25 | 135 [2] | -- | -- |
| VW-0190C | 4/30/2015 | | 15654432.58 | 1399216.63 | 637.0 | JJ19-W | sidewall | <0.52 | 91 | <0.52 | 19 | 110 [2] | -- | -- |
| VW-0210C | 5/1/2015 | | 15654332.87 | 1399216.09 | 638.8 | II29-E | sidewall | <0.54 | 170 | <0.54 | 29 | 199 [2] | -- | -- |
| VW-5210C* | 5/1/2015 | | 15654332.87 | 1399216.09 | 638.8 | II29-E | sidewall | <0.53 | 32 | <0.53 | 6.7 | | -- | -- |
| VW-0211C | 5/1/2015 | | 15654342.87 | 1399216.35 | 638.8 | II28-E | sidewall | <0.51 | 560 | <0.51 | 92 | 652 [2] | -- | -- |
| VW-AP07 | 5/1/2015 | east off-Site (guy wire anchor area) | 15654521.79 | 1399251.91 | 634.5 | MM10-W | sidewall | <0.011 | 1.9 | <0.011 | 1.7 | 3.6 [1] | -- | -- |
| VW-AP08 | 5/1/2015 | | 15654528.79 | 1399256.17 | 634.5 | MM9-S | sidewall | <0.011 | 2.0 | <0.011 | 1.0 | 3.0 [1] | -- | -- |
| VB-AP09 | 5/1/2015 | | 15654506.54 | 1399265.65 | 635.7 | NN11-S | base | <0.011 | 0.085 | <0.011 | 0.075 | 0.16 | -- | -- |
| VW-0235C | 5/4/2015 | east off-Site | 15654474.06 | 1399248.64 | 635.2 | LL15-E | sidewall | <0.50 | 6.0 | <0.50 | 2.2 | 8.2 [1] | -- | -- |
| VW-0240C | 5/5/2015 | | 15654459.58 | 1399224.14 | 636.5 | JJ17-N | sidewall | <0.52 | 3.6 | <0.52 | 1.5 | 5.1 [1] | -- | -- |
| | | | | | | | | | | | | USEPA RESIDENTIAL RSL | 22,000 | 910 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than off-Site soil removal criteria; additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 1 mg/kg (greater than off-Site PCB-impacted soil removal criterion) |
| [2] | total PCBs > 50 mg/kg (greater than location criteria for on-Site placement within Clay Cap Area) |
| [3] | CVOCs > USEPA residential RSL (greater than off-Site CVOC-impacted soil removal criterion) |
| [4] | > 10 x the landfill disposal restriction (60,000 µg/kg) |

refer to laboratory reports in Appendix 5 for data qualifiers
-- - not analyzed or not applicable
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929
*** - sample was collected just inside the property boundary; therefore, CVOC concentrations were compared to the industrial RSLs

CVOCs - chlorinated volatile organic compounds
mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
PCE - tetrachloroethene
RSL - USEPA Regional Screening Level
TCE - trichloroethene
µg/kg - micrograms per kilogram
USEPA - United States Environmental Protection Agency
VB - verification base sample
VW - verification wall sample

**TABLE 15A**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - OFF-SITE UNSATURATED PCB AND CVOC-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | | CVOCs | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] | PCE [µg/kg] | TCE [µg/kg] |
| VB-AP10 | 5/6/2015 | east off-Site (guy wire anchor area) | 15654496.29 | 1399270.40 | 635.7 | OO12-W | base | <0.010 | 0.43 | <0.010 | 0.30 | 0.73 | -- | -- |
| VB-AP11 | 5/6/2015 | | 15654488.79 | 1399273.14 | 635.7 | OO13 | base | <0.010 | 0.13 | <0.010 | 0.086 | 0.216 | -- | -- |
| VW-AP12 | 5/6/2015 | | 15654488.29 | 1399275.14 | 636.5 | OO13 | sidewall | <0.0099 | 0.08 | <0.0099 | 0.054 | 0.134 | -- | -- |
| VB-AP13 | 5/6/2015 | | 15654511.79 | 1399275.65 | 635.7 | OO11 | base | <0.011 | 0.93 | <0.011 | 0.34 | 1.27 [1] | -- | -- |
| VW-AP14 | 5/6/2015 | | 15654513.29 | 1399279.15 | 636.5 | OO11 | sidewall | <0.010 | 0.17 | <0.010 | 0.10 | 0.27 | -- | -- |
| VB-AP15 | 5/6/2015 | | 15654501.29 | 1399280.40 | 635.7 | OO12-E | base | <0.011 | 0.077 | <0.011 | 0.034 | 0.111 | -- | -- |
| VW-AP16 | 5/6/2015 | | 15654503.54 | 1399284.39 | 636.5 | PP12 | sidewall | <0.010 | 0.59 | <0.010 | 0.48 | 1.07 [1] | -- | -- |
| VW-AP17 | 5/6/2015 | | 15654497.54 | 1399283.89 | 636.5 | PP12-S | sidewall | <0.010 | 0.31 | <0.010 | 0.080 | 0.39 | -- | -- |
| VB-0250C | 5/7/2015 | | 15654511.03 | 1399285.65 | 637.1 | PP11 | base | <0.011 | 0.081 | <0.011 | 0.086 | 0.167 | -- | -- |
| VW-0251C | 5/7/2015 | | 15654511.03 | 1399290.65 | 638.1 | PP11-E | sidewall | <0.010 | 0.12 | <0.010 | 0.19 | 0.31 | -- | -- |
| VB-0252C | 5/7/2015 | | 15654521.03 | 1399285.90 | 636.1 | PP10 | base | <0.010 | 0.014 | <0.010 | 0.022 | 0.036 | -- | -- |
| VW-0253C | 5/7/2015 | | 15654521.03 | 1399290.90 | 637.1 | PP10-E | sidewall | <0.010 | 0.058 | <0.010 | 0.086 | 0.144 | -- | -- |
| VB-0254C | 5/7/2015 | | 15654524.28 | 1399278.90 | 636.1 | OO10 | base | <0.010 | 0.095 | <0.010 | 0.072 | 0.167 | -- | -- |
| VB-0255C | 5/7/2015 | | 15654531.03 | 1399286.16 | 635.4 | PP9 | base | <0.010 | 0.12 | <0.010 | 0.093 | 0.213 | -- | -- |
| VW-0256C | 5/7/2015 | | 15654531.03 | 1399291.16 | 636.4 | PP9-E | sidewall | <0.010 | <0.012 | <0.010 | 0.024 | 0.05 | -- | -- |
| VW-5256C* | 5/7/2015 | | 15654531.03 | 1399291.16 | 636.4 | PP9-E | sidewall | <0.010 | 0.013 | <0.010 | 0.037 | | -- | -- |
| VW-0257C | 5/7/2015 | | 15654541.02 | 1399288.41 | 636.8 | PP8-E | sidewall | <0.010 | <0.012 | <0.010 | 0.012 | 0.012 | -- | -- |
| VB-0258C | 5/7/2015 | | 15654541.02 | 1399286.41 | 635.8 | PP8 | base | <0.010 | 0.051 | <0.010 | 0.042 | 0.151 | -- | -- |
| VB-5258C* | 5/7/2015 | | 15654541.02 | 1399286.41 | 635.8 | PP8 | base | <0.010 | 0.092 | <0.010 | 0.059 | | -- | -- |
| VB-0259C | 5/7/2015 | | 15654531.28 | 1399276.16 | 635.4 | OO9 | base | <0.010 | 0.71 | <0.010 | 0.19 | 0.9 | -- | -- |
| VB-0260C | 5/7/2015 | | 15654541.28 | 1399276.41 | 635.8 | OO8 | base | <0.010 | 0.31 | <0.010 | 0.21 | 0.52 | -- | -- |
| VB-0261C | 5/7/2015 | | 15654551.27 | 1399276.67 | 636.5 | OO7 | base | <0.010 | 0.027 | <0.010 | 0.038 | 0.065 | -- | -- |
| VW-0262C | 5/7/2015 | | 15654554.27 | 1399276.67 | 637.5 | OO7-N | sidewall | <0.0098 | 0.047 | <0.0098 | 0.11 | 0.157 | -- | -- |
| VB-0263C | 5/7/2015 | | 15654551.53 | 1399266.67 | 636.5 | NN7 | base | <0.011 | 0.024 | <0.011 | 0.047 | 0.071 | -- | -- |
| VB-5263C* | 5/7/2015 | | 15654551.53 | 1399266.67 | 636.5 | NN7 | base | <0.011 | 0.022 | <0.011 | 0.046 | | -- | -- |
| VB-0264C | 5/7/2015 | | 15654541.53 | 1399266.42 | 636.5 | NN8 | base | <0.010 | 0.17 | <0.010 | 0.12 | 0.29 | -- | -- |
| VW-0265C | 5/7/2015 | | 15654557.53 | 1399266.67 | 638.0 | NN7-N | sidewall | <0.011 | 0.11 | <0.011 | 0.13 | 0.24 | -- | -- |
| VB-0266C | 5/7/2015 | | 15654551.78 | 1399256.67 | 636.3 | MM7 | base | <0.010 | 0.09 | <0.010 | 0.10 | 0.19 | -- | -- |
| VW-0267C | 5/7/2015 | east off-Site | 15654556.78 | 1399256.67 | 637.3 | MM7-N | sidewall | <0.010 | 0.071 | <0.010 | 0.097 | 0.168 | -- | -- |
| VB-0268C | 5/7/2015 | | 15654541.79 | 1399256.42 | 636.3 | MM8 | base | <0.010 | 0.068 | <0.010 | 0.065 | 0.133 | -- | -- |
| VB-0269C | 5/7/2015 | | 15654531.79 | 1399256.17 | 635.2 | MM9 | base | <0.010 | 1.4 | <0.010 | 0.70 | 2.1 [1] | -- | -- |
| VB-0270C | 5/7/2015 | | 15654549.54 | 1399246.68 | 635.8 | LL7 | base | <0.010 | 0.55 | <0.010 | 0.26 | 0.81 | -- | -- |
| VW-0271C | 5/7/2015 | | 15654552.04 | 1399246.68 | 636.8 | LL7 | sidewall | <0.010 | 0.20 | <0.010 | 0.23 | 0.43 | -- | -- |
| VB-0286C | 5/8/2015 | | 15654542.55 | 1399226.43 | 636.0 | JJ8 | base | <0.011 | 0.21 | <0.011 | 0.20 | 0.41 | -- | -- |
| VB-0287C | 5/8/2015 | | 15654542.29 | 1399236.43 | 635.7 | KK8 | base | <0.010 | 0.2 | <0.010 | 0.17 | 0.37 | -- | -- |
| VW-0288C | 5/8/2015 | | 15654545.55 | 1399226.43 | 636.7 | JJ8-N | sidewall | <0.011 | 0.85 | <0.011 | 0.50 | 1.35 [1] | -- | -- |
| VW-0289C | 5/8/2015 | | 15654549.29 | 1399236.68 | 636.5 | KK7-N | sidewall | <0.010 | 2.0 | <0.010 | 1.0 | 3.0 [1] | -- | -- |
| VB-0290C | 5/8/2015 | | 15654549.29 | 1399237.68 | 635.5 | KK7 | base | <0.010 | 1.1 | <0.010 | 0.51 | 1.61 [1] | -- | -- |
| VB-0291C | 5/8/2015 | | 15654542.04 | 1399246.42 | 635.3 | LL8 | base | <0.010 | 0.72 | <0.010 | 0.47 | 1.19 [1] | -- | -- |
| VB-0293C | 5/8/2015 | | 15654501.80 | 1399255.40 | 635.0 | MM12 | base | <0.010 | 0.20 | <0.010 | 0.13 | 0.33 | -- | -- |
| VB-0294C | 5/8/2015 | | 15654492.06 | 1399245.15 | 636.0 | LL13 | base | <0.010 | 0.035 | <0.010 | 0.051 | 0.086 | -- | -- |
| VB-0295C | 5/8/2015 | | 15654491.80 | 1399255.15 | 636.0 | MM13 | base | <0.010 | 0.019 | <0.010 | 0.022 | 0.041 | -- | -- |
| VB-0296C | 5/8/2015 | | 15654491.55 | 1399265.15 | 636.7 | NN13 | base | <0.010 | 0.08 | <0.010 | 0.044 | 0.124 | -- | -- |
| VB-0297C | 5/8/2015 | | 15654482.06 | 1399244.90 | 635.5 | LL14 | base | <0.011 | 0.52 | <0.011 | 0.24 | 0.76 | -- | -- |
| VB-0298C | 5/8/2015 | | 15654481.81 | 1399254.89 | 635.5 | MM14 | base | <0.011 | 0.13 | <0.011 | 0.11 | 0.24 | -- | -- |
| VB-0299C | 5/8/2015 | | 15654481.55 | 1399264.89 | 635.7 | NN14 | base | <0.010 | 0.096 | <0.010 | 0.072 | 0.168 | -- | -- |
| VW-0300C | 5/8/2015 | | 15654481.30 | 1399271.89 | 636.7 | OO14 | sidewall | <0.010 | 0.11 | <0.010 | 0.11 | 0.22 | -- | -- |
| VB-0301C | 5/8/2015 | | 15654471.81 | 1399254.64 | 635.0 | MM15 | base | <0.010 | 2.4 | <0.010 | 0.89 | 3.29 [1] | -- | -- |
| VB-0302C | 5/8/2015 | | 15654471.55 | 1399264.64 | 635.5 | NN15 | base | <0.010 | 0.69 | <0.010 | 0.26 | 0.95 | -- | -- |
| | | | | | | | | | | | | USEPA RESIDENTIAL RSL | 22,000 | 910 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than off-Site soil removal criteria; additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 1 mg/kg (greater than off-Site PCB-impacted soil removal criterion) |
| [2] | total PCBs > 50 mg/kg (greater than location criteria for on-Site placement within Clay Cap Area) |
| [3] | CVOCs > USEPA residential RSL (greater than off-Site CVOC-impacted soil removal criterion) |
| [4] | > 10 x the landfill disposal restriction (60,000 µg/kg) |

refer to laboratory reports in Appendix 5 for data qualifiers
-- - not analyzed or not applicable
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929
*** - sample was collected just inside the property boundary; therefore, CVOC concentrations were compared to the industrial RSLs

CVOCs - chlorinated volatile organic compounds
mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
PCE - tetrachloroethene
RSL - USEPA Regional Screening Level
TCE - trichloroethene
µg/kg - micrograms per kilogram
USEPA - United States Environmental Protection Agency
VB - verification base sample
VW - verification wall sample

**TABLE 15A**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - OFF-SITE UNSATURATED PCB AND CVOC-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | | CVOCs | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] | PCE [µg/kg] | TCE [µg/kg] |
| VB-0303C | 5/8/2015 | | 15654471.30 | 1399274.63 | 635.5 | OO15 | base | <0.010 | 0.55 | <0.010 | 0.23 | 0.78 | -- | -- |
| VW-0304C | 5/8/2015 | | 15654471.30 | 1399274.63 | 636.5 | OO15 | sidewall | <0.010 | 0.67 | <0.010 | 0.28 | 0.95 | -- | -- |
| VB-0305C | 5/8/2015 | | 15654461.81 | 1399254.39 | 635.5 | MM16 | base | <0.010 | 1.7 | <0.010 | 0.45 | 2.15 [1] | -- | -- |
| VB-0306C | 5/8/2015 | | 15654461.56 | 1399264.38 | 635.5 | NN16 | base | <0.010 | 0.64 | <0.010 | 0.27 | 0.91 | -- | -- |
| VB-0307C | 5/8/2015 | | 15654461.30 | 1399274.38 | 635.2 | OO16 | base | <0.0099 | 0.023 | <0.0099 | 0.016 | 0.093 | -- | -- |
| VB-5307C* | 5/8/2015 | | 15654461.30 | 1399274.38 | 635.2 | OO16 | base | <0.010 | 0.056 | <0.010 | 0.037 | | -- | -- |
| VW-0308C | 5/8/2015 | | 15654461.55 | 1399281.88 | 636.2 | PP16 | sidewall | <0.010 | 1.7 | <0.010 | 0.68 | 2.38 [1] | -- | -- |
| VB-0309C | 5/8/2015 | | 15654459.05 | 1399281.88 | 635.4 | PP16 | base | <0.011 | 0.08 | <0.011 | 0.098 | 0.178 | -- | -- |
| VW-0323C | 5/12/2015 | | 15654552.80 | 1399218.69 | 636.0 | II7 | sidewall | <0.011 | 0.54 | <0.011 | 0.22 | 0.76 | -- | -- |
| VW-0324C | 5/12/2015 | | 15654557.55 | 1399226.68 | 635.7 | JJ7-N | sidewall | <0.011 | 0.78 | <0.011 | 0.37 | 1.15 [1] | -- | -- |
| VW-0325C | 5/12/2015 | | 15654557.29 | 1399236.68 | 635.4 | KK7-N | sidewall | <0.011 | 0.87 | <0.011 | 0.35 | 1.22 [1] | -- | -- |
| VW-0346C | 5/12/2015 | | 15654462.57 | 1399219.40 | 636.0 | JJ16-W | sidewall | <0.011 | 5.7 | <0.011 | 2.5 | 8.2 [1] | -- | -- |
| VW-0347C | 5/13/2015 | | 15654466.55 | 1399284.38 | 636.4 | PP16-N | sidewall | <0.010 | 0.45 | <0.010 | 0.21 | 0.66 | -- | -- |
| VW-0348C | 5/13/2015 | | 15654461.55 | 1399289.38 | 636.4 | PP16-E | sidewall | <0.010 | 0.48 | <0.010 | 0.23 | 0.71 | -- | -- |
| VB-0349C | 5/13/2015 | | 15654451.05 | 1399284.12 | 635.7 | PP17 | base | <0.010 | 0.096 | <0.010 | 0.085 | 0.181 | -- | -- |
| VB-0350C | 5/13/2015 | | 15654448.80 | 1399292.12 | 635.7 | QQ17 | base | <0.011 | <0.013 | <0.011 | 0.048 | 0.048 | -- | -- |
| VB-0351C | 5/13/2015 | | 15654440.80 | 1399293.86 | 635.5 | QQ18 | base | <0.011 | 0.10 | <0.011 | 0.087 | 0.187 | -- | -- |
| VB-0352C | 5/13/2015 | | 15654430.80 | 1399293.61 | 635.3 | QQ19 | base | <0.011 | 0.028 | <0.011 | 0.019 | 0.047 | -- | -- |
| VB-0353C | 5/13/2015 | | 15654424.31 | 1399290.86 | 635.2 | QQ20 | base | <0.011 | 0.037 | <0.011 | 0.036 | 0.073 | -- | -- |
| VB-0354C | 5/13/2015 | | 15654423.56 | 1399283.36 | 635.5 | PP20 | base | <0.011 | 0.037 | <0.011 | 0.041 | 0.078 | -- | -- |
| VB-0355C | 5/13/2015 | | 15654431.06 | 1399283.61 | 635.2 | PP19 | base | <0.011 | 0.095 | <0.011 | 0.079 | 0.174 | -- | -- |
| VB-0356C | 5/13/2015 | | 15654441.06 | 1399283.87 | 635.2 | PP18 | base | <0.010 | 0.11 | <0.010 | 0.10 | 0.23 | -- | -- |
| VB-5356C* | 5/13/2015 | | 15654441.06 | 1399283.87 | 635.2 | PP18 | base | <0.011 | 0.12 | <0.011 | 0.11 | | -- | -- |
| VB-0357C | 5/13/2015 | | 15654451.31 | 1399274.13 | 635.2 | OO17 | base | <0.011 | 0.22 | <0.011 | 0.14 | 0.36 | -- | -- |
| VB-0358C | 5/13/2015 | east off-Site | 15654441.31 | 1399273.87 | 635.2 | OO18 | base | <0.011 | 0.41 | <0.011 | 0.22 | 0.78 | -- | -- |
| VB-5358C* | 5/13/2015 | | 15654441.31 | 1399273.87 | 635.2 | OO18 | base | <0.011 | 0.52 | <0.011 | 0.26 | | -- | -- |
| VB-0359C | 5/13/2015 | | 15654431.31 | 1399273.62 | 635.5 | OO19 | base | <0.011 | 0.049 | <0.011 | 0.045 | 0.094 | -- | -- |
| VB-0360C | 5/13/2015 | | 15654421.32 | 1399273.36 | 635.2 | OO20 | base | <0.011 | 0.094 | <0.011 | 0.065 | 0.159 | -- | -- |
| VW-0361C | 5/13/2015 | | 15654450.80 | 1399293.12 | 636.7 | QQ17 | sidewall | <0.010 | 0.033 | <0.010 | 0.041 | 0.074 | -- | -- |
| VW-0362C | 5/13/2015 | | 15654443.30 | 1399296.36 | 636.5 | QQ18 | sidewall | <0.010 | 0.12 | <0.010 | 0.095 | 0.215 | -- | -- |
| VW-0363C | 5/13/2015 | | 15654430.55 | 1399300.11 | 636.3 | RR19 | sidewall | <0.011 | 1.2 | <0.011 | 0.77 | 1.97 [1] | -- | -- |
| VW-0364C | 5/13/2015 | | 15654423.81 | 1399290.36 | 636.3 | QQ20-W | sidewall | <0.011 | 0.70 | <0.011 | 0.44 | 1.14 [1] | -- | -- |
| VW-0365C | 5/13/2015 | | 15654421.06 | 1399283.36 | 636.4 | PP20 | sidewall | <0.010 | 0.43 | <0.010 | 0.13 | 0.56 | -- | -- |
| VW-0366C | 5/13/2015 | | 15654421.57 | 1399269.37 | 634.4 | NN20-E | sidewall | <0.011 | 0.30 | <0.011 | 0.16 | 0.46 | -- | -- |
| VW-0367C | 5/13/2015 | | 15654431.57 | 1399269.62 | 634.4 | NN19-E | sidewall | <0.010 | 0.086 | <0.010 | 0.042 | 0.463 | -- | -- |
| VW-5367C* | 5/13/2015 | | 15654431.57 | 1399269.62 | 634.4 | NN19-E | sidewall | <0.010 | 0.37 | <0.010 | 0.093 | | -- | -- |
| VW-0368C | 5/13/2015 | | 15654441.56 | 1399269.87 | 634.7 | NN18-E | sidewall | <0.010 | 0.18 | <0.010 | 0.11 | 0.29 | -- | -- |
| VW-0369C | 5/13/2015 | | 15654451.56 | 1399269.13 | 634.2 | NN17-E | sidewall | <0.010 | 0.016 | <0.010 | 0.012 | 0.028 | -- | -- |
| VW-0370C | 5/13/2015 | | 15654461.81 | 1399259.39 | 634.2 | MM16-E | sidewall | <0.010 | 0.38 | <0.010 | 0.19 | 0.57 | -- | -- |
| VW-0371C | 5/13/2015 | | 15654471.81 | 1399259.64 | 634.2 | MM15-E | sidewall | <0.010 | 0.019 | <0.010 | <0.0056 | 0.019 | -- | -- |
| VW-0372C | 5/13/2015 | | 15654476.81 | 1399254.64 | 634.2 | MM15-N | sidewall | <0.010 | 0.10 | <0.010 | 0.076 | 0.176 | -- | -- |
| VW-0373C | 5/13/2015 | | 15654456.56 | 1399264.13 | 634.2 | NN17-N | sidewall | <0.011 | 0.53 | <0.011 | 0.22 | 0.75 | -- | -- |
| VW-0374C | 5/13/2015 | | 15654562.29 | 1399239.93 | 635.8 | KK6-E | sidewall | <0.011 | 0.029 | <0.011 | 0.024 | 0.053 | -- | -- |
| VW-0375C | 5/13/2015 | | 15654567.29 | 1399236.93 | 635.3 | KK6-N | sidewall | <0.011 | 0.027 | <0.011 | 0.026 | 0.053 | -- | -- |
| VW-0376C | 5/13/2015 | | 15654568.54 | 1399226.94 | 635.7 | JJ6-N | sidewall | <0.011 | <0.013 | <0.011 | <0.0059 | <0.0059 | -- | -- |
| VW-0377C | 5/13/2015 | | 15654562.80 | 1399219.44 | 635.8 | II6 | sidewall | <0.011 | <0.013 | <0.011 | <0.0059 | <0.0059 | -- | -- |
| VW-0510C | 5/19/2015 | | 15654342.61 | 1399219.34 | 636.5 | JJ28 | sidewall | <0.54 | 2.3 | <0.54 | <0.30 | 2.3 [1] | -- | -- |
| VW-0511C | 5/19/2015 | | 15654332.62 | 1399226.09 | 636.5 | JJ29-E | sidewall | <0.48 | 1.6 | <0.48 | <0.26 | 1.6 [1] | -- | -- |
| VW-5511C* | 5/19/2015 | | 15654332.62 | 1399226.09 | 636.5 | JJ29-E | sidewall | <0.47 | 0.60 | <0.47 | <0.26 | | -- | -- |
| | | | | | | | | | | | | USEPA RESIDENTIAL RSL | 22,000 | 910 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than off-Site soil removal criteria; additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 1 mg/kg (greater than off-Site PCB-impacted soil removal criterion) |
| [2] | total PCBs > 50 mg/kg (greater than location criteria for on-Site placement within Clay Cap Area) |
| [3] | CVOCs > USEPA residential RSL (greater than off-Site CVOC-impacted soil removal criterion) |
| [4] | > 10 x the landfill disposal restriction (60,000 µg/kg) |

refer to laboratory reports in Appendix 5 for data qualifiers
-- - not analyzed or not applicable
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929
*** - sample was collected just inside the property boundary; therefore, CVOC concentrations were compared to the industrial RSLs

CVOCs - chlorinated volatile organic compounds
mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
PCE - tetrachloroethene
RSL - USEPA Regional Screening Level
TCE - trichloroethene
µg/kg - micrograms per kilogram
USEPA - United States Environmental Protection Agency
VB - verification base sample
VW - verification wall sample

**TABLE 15A**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - OFF-SITE UNSATURATED PCB AND CVOC-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | | CVOCs | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] | PCE [µg/kg] | TCE [µg/kg] |
| VB-0637C | 5/21/2015 | | 15654430.55 | 1399300.61 | 634.5 | RR19 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 | -- | -- |
| VB-0638C | 5/21/2015 | | 15654420.55 | 1399300.85 | 634.5 | RR20 | base | <0.55 | <0.66 | <0.55 | <0.30 | <0.30 | -- | -- |
| VW-0639C | 5/21/2015 | | 15654435.55 | 1399301.61 | 635.5 | RR19-N | sidewall | <0.57 | <0.69 | <0.57 | <0.31 | <0.31 | -- | -- |
| VW-0640C | 5/21/2015 | | 15654416.05 | 1399300.35 | 635.5 | RR20-S | sidewall | <0.52 | <0.63 | <0.52 | <0.29 | <0.29 | -- | -- |
| VW-0641C | 5/21/2015 | | 15654430.55 | 1399304.61 | 635.5 | RR19-E | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 | -- | -- |
| VW-0642C | 5/21/2015 | | 15654420.55 | 1399308.35 | 635.5 | RR20-E | sidewall | <0.51 | 0.99 | <0.51 | <0.28 | 0.99 | -- | -- |
| VW-0643C | 5/21/2015 | | 15654416.81 | 1399293.36 | 635.5 | QQ20-S | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 | -- | -- |
| VW-0693C | 5/27/2015 | | 15654362.86 | 1399216.86 | 637.0 | II26-E | sidewall | <0.52 | 68 | <0.52 | <0.28 | 68 [2] | -- | -- |
| VW-0694C | 5/27/2015 | | 15654352.86 | 1399216.60 | 637.0 | II27-E | sidewall | <0.52 | 14 | <0.52 | <0.28 | 14 [1] | -- | -- |
| VB-0707C | 5/28/2015 | | 15654381.58 | 1399262.35 | 636.0 | NN24 | base | <0.010 | 0.063 | <0.010 | <0.0056 | 0.063 | -- | -- |
| VB-0708C | 5/28/2015 | | 15654371.59 | 1399262.09 | 636.0 | NN25 | base | <0.010 | 0.16 | <0.010 | 0.074 | 0.234 | -- | -- |
| VB-0709C | 5/28/2015 | | 15654361.59 | 1399261.84 | 636.0 | NN26 | base | <0.010 | 0.088 | <0.010 | <0.0055 | 0.088 | -- | -- |
| VB-0710C | 5/28/2015 | | 15654351.59 | 1399261.59 | 636.0 | NN27 | base | <0.011 | 0.042 | <0.011 | <0.0057 | 0.042 | -- | -- |
| VB-0711C | 5/28/2015 | | 15654341.60 | 1399261.33 | 636.0 | NN28 | base | <0.011 | 0.022 | <0.011 | <0.0057 | 0.022 | -- | -- |
| VB-0712C | 5/28/2015 | | 15654331.60 | 1399261.08 | 636.0 | NN29 | base | <0.011 | 0.024 | <0.011 | <0.0058 | 0.024 | -- | -- |
| VB-0713C | 5/28/2015 | | 15654371.84 | 1399252.10 | 636.0 | MM25 | base | <0.010 | 0.21 | <0.010 | <0.0057 | 0.21 | -- | -- |
| VB-0714C | 5/28/2015 | | 15654361.84 | 1399251.84 | 636.0 | MM26 | base | <0.010 | 0.13 | <0.010 | <0.0057 | 0.13 | -- | -- |
| VB-0715C | 5/28/2015 | | 15654351.85 | 1399251.59 | 636.0 | MM27 | base | <0.010 | 0.040 | <0.010 | <0.0056 | 0.040 | -- | -- |
| VB-0716C | 5/28/2015 | | 15654341.85 | 1399251.33 | 636.0 | MM28 | base | <0.010 | 0.099 | <0.010 | <0.0056 | 0.099 | -- | -- |
| VB-0717C | 5/28/2015 | | 15654331.85 | 1399251.08 | 636.0 | MM29 | base | <0.010 | 0.055 | <0.010 | <0.0056 | | -- | -- |
| VB-5717C* | 5/28/2015 | | 15654331.85 | 1399251.08 | 636.0 | MM29 | base | <0.010 | 0.094 | <0.010 | <0.0056 | 0.094 | -- | -- |
| VB-0718C | 5/28/2015 | | 15654370.09 | 1399244.10 | 636.0 | LL25 | base | <0.010 | 0.15 | <0.010 | 0.048 | 0.198 | -- | -- |
| VB-0719C | 5/28/2015 | | 15654362.10 | 1399241.85 | 636.0 | LL26 | base | <0.010 | 0.042 | <0.010 | <0.0055 | 0.042 | -- | -- |
| VB-0720C | 5/28/2015 | | 15654352.10 | 1399241.59 | 636.0 | LL27 | base | <0.010 | 0.14 | <0.010 | <0.0057 | 0.14 | -- | -- |
| VB-0721C | 5/28/2015 | | 15654339.10 | 1399239.34 | 636.0 | LL28 | base | <0.010 | 0.095 | <0.010 | <0.0056 | 0.095 | -- | -- |
| VB-0722C | 5/28/2015 | east off-Site | 15654332.11 | 1399241.08 | 636.0 | LL29 | base | <0.011 | 0.65 | <0.011 | <0.0058 | 0.65 | -- | -- |
| VB-0723C | 5/28/2015 | | 15654332.36 | 1399231.09 | 636.0 | KK29 | base | <0.011 | 2.9 | <0.011 | <0.0059 | 2.9 [1] | -- | -- |
| VB-0724C | 5/28/2015 | | 15654332.62 | 1399221.09 | 636.0 | JJ29 | base | <0.011 | 8.8 | <0.011 | <0.0059 | 8.8 [1] | -- | -- |
| VW-0725C | 5/28/2015 | | 15654381.58 | 1399269.35 | 637.0 | NN24-E | sidewall | <0.010 | 0.93 | <0.010 | 0.43 | 1.36 [1] | -- | -- |
| VW-0726C | 5/28/2015 | | 15654371.59 | 1399268.59 | 637.0 | NN25-E | sidewall | <0.010 | 0.62 | <0.010 | 0.45 | 1.07 [1] | -- | -- |
| VW-0727C | 5/28/2015 | | 15654361.59 | 1399267.84 | 637.0 | NN26-E | sidewall | <0.010 | 0.13 | <0.010 | 0.21 | 0.34 | -- | -- |
| VW-0728C | 5/28/2015 | | 15654351.59 | 1399266.59 | 637.0 | NN27-E | sidewall | <0.010 | 0.25 | <0.010 | 0.25 | 0.50 | -- | -- |
| VW-0729C | 5/28/2015 | | 15654341.60 | 1399264.83 | 637.5 | NN28-E | sidewall | <0.010 | 0.17 | <0.010 | 0.15 | 0.32 | -- | -- |
| VW-0730C | 5/28/2015 | | 15654331.60 | 1399263.58 | 637.5 | NN29-E | sidewall | <0.010 | 0.072 | <0.010 | 0.067 | 0.139 | -- | -- |
| VW-0731C | 5/28/2015 | | 15654324.60 | 1399259.08 | 637.5 | NN29-S | sidewall | <0.010 | 0.21 | <0.010 | 0.14 | 0.35 | -- | -- |
| VW-0732C | 5/28/2015 | | 15654322.85 | 1399251.08 | 638.0 | MM29-S | sidewall | <0.010 | 0.70 | <0.010 | 0.34 | 1.04 [1] | -- | -- |
| VW-0733C | 5/28/2015 | | 15654322.11 | 1399240.83 | 637.0 | LL30-E | sidewall | <0.011 | 0.53 | <0.011 | 0.38 | 0.91 | -- | -- |
| VW-0734C | 5/28/2015 | | 15654312.11 | 1399241.58 | 637.0 | LL31-E | sidewall | <0.010 | 0.42 | <0.010 | 0.27 | 0.69 | -- | -- |
| VW-0735C | 5/28/2015 | | 15654302.12 | 1399241.82 | 637.0 | LL32-E | sidewall | <0.010 | 0.21 | <0.010 | 0.10 | 0.31 | -- | -- |
| VW-0736C | 5/28/2015 | | 15654292.12 | 1399242.57 | 637.0 | LL33-E | sidewall | <0.010 | 0.35 | <0.010 | <0.0055 | 0.35 | -- | -- |
| VW-0737C | 5/28/2015 | | 15654282.12 | 1399242.31 | 637.5 | LL34-E | sidewall | <0.010 | 1.6 | <0.010 | <0.0055 | 1.6 [1] | -- | -- |
| VW-0738C | 5/28/2015 | | 15654272.13 | 1399243.06 | 637.5 | LL35-E | sidewall | <0.010 | 1.9 | <0.010 | <0.0057 | 1.9 [1] | -- | -- |
| VW-0739C | 5/28/2015 | | 15654262.13 | 1399242.30 | 637.5 | LL36-E | sidewall | <0.010 | 0.16 | <0.010 | <0.0056 | 0.16 | -- | -- |
| VB-0740C | 5/28/2015 | | 15654322.11 | 1399238.33 | 636.5 | LL30 | base | <0.010 | 0.033 | <0.010 | <0.0057 | 0.033 | -- | -- |
| VB-0741C | 5/28/2015 | | 15654322.37 | 1399230.83 | 636.5 | KK30 | base | <0.010 | 6.4 | <0.010 | <0.0057 | 6.4 [1] | -- | -- |
| VB-5741C* | 5/28/2015 | | 15654322.37 | 1399230.83 | 636.5 | KK30 | base | <0.011 | 1.6 | <0.011 | <0.0057 | | -- | -- |
| VB-0742C | 5/28/2015 | | 15654322.62 | 1399220.84 | 636.5 | JJ30 | base | <0.011 | 2.0 | <0.011 | 0.31 | 2.31 [1] | -- | -- |
| VB-0743C | 5/28/2015 | | 15654312.11 | 1399238.58 | 636.5 | LL31 | base | <0.010 | 0.043 | <0.010 | <0.0056 | 0.043 | -- | -- |
| VB-0744C | 5/28/2015 | | 15654312.37 | 1399230.58 | 636.5 | KK31 | base | <0.011 | 0.43 | <0.011 | <0.0057 | 0.43 | -- | -- |
| VB-0745C | 5/28/2015 | | 15654312.62 | 1399220.58 | 636.5 | JJ31 | base | <0.010 | 4.9 | <0.010 | 0.52 | 5.42 [1] | -- | -- |
| VB-0746C | 5/28/2015 | | 15654302.12 | 1399238.82 | 636.5 | LL32 | base | <0.010 | 0.20 | <0.010 | <0.0056 | 0.20 | -- | -- |
| | | | | | | | | | | | | USEPA RESIDENTIAL RSL | 22,000 | 910 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than off-Site soil removal criteria; additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 1 mg/kg (greater than off-Site PCB-impacted soil removal criterion) |
| [2] | total PCBs > 50 mg/kg (greater than location criteria for on-Site placement within Clay Cap Area) |
| [3] | CVOCs > USEPA residential RSL (greater than off-Site CVOC-impacted soil removal criterion) |
| [4] | > 10 x the landfill disposal restriction (60,000 µg/kg) |

refer to laboratory reports in Appendix 5 for data qualifiers
-- - not analyzed or not applicable
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929
*** - sample was collected just inside the property boundary; therefore, CVOC concentrations were compared to the industrial RSLs

CVOCs - chlorinated volatile organic compounds
mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
PCE - tetrachloroethene
RSL - USEPA Regional Screening Level
TCE - trichloroethene
µg/kg - micrograms per kilogram
USEPA - United States Environmental Protection Agency
VB - verification base sample
VW - verification wall sample

**TABLE 15A**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - OFF-SITE UNSATURATED PCB AND CVOC-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | | CVOCs | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] | PCE [µg/kg] | TCE [µg/kg] |
| VB-0747C | 5/28/2015 | | 15654302.37 | 1399230.32 | 636.5 | KK32 | base | <0.010 | 0.18 | <0.010 | <0.0057 | 0.18 | -- | -- |
| VB-0748C | 5/28/2015 | | 15654302.63 | 1399220.33 | 636.5 | JJ32 | base | <0.011 | 0.042 | <0.011 | <0.0057 | 0.042 | -- | -- |
| VB-0749C | 5/28/2015 | | 15654272.13 | 1399239.56 | 636.5 | LL35 | base | <0.010 | 0.47 | <0.010 | <0.0056 | 0.47 | -- | -- |
| VB-0750C | 5/28/2015 | | 15654292.37 | 1399230.07 | 636.5 | KK33 | base | <0.010 | 0.88 | <0.010 | <0.0057 | 0.88 | -- | -- |
| VB-0751C | 5/28/2015 | | 15654292.63 | 1399220.07 | 636.5 | JJ33 | base | <0.011 | 2.5 | <0.011 | <0.0057 | 2.5 [1] | -- | -- |
| VB-0752C | 5/28/2015 | | 15654292.12 | 1399240.07 | 636.5 | LL33 | base | <0.010 | 0.11 | <0.010 | <0.0055 | 0.11 | -- | -- |
| VB-0753C | 5/28/2015 | | 15654282.38 | 1399229.82 | 636.5 | KK34 | base | <0.010 | 0.17 | <0.010 | <0.0056 | 0.32 | -- | -- |
| VB-5753C* | 5/28/2015 | | 15654282.38 | 1399229.82 | 636.5 | KK34 | base | <0.010 | 0.32 | <0.010 | <0.0056 | | -- | -- |
| VB-0754C | 5/28/2015 | | 15654282.63 | 1399219.82 | 636.5 | JJ34 | base | <0.010 | 1.7 | <0.010 | <0.0057 | 1.7 [1] | -- | -- |
| VB-0755C | 5/28/2015 | | 15654272.13 | 1399239.56 | 636.5 | LL35 | base | <0.010 | 0.38 | <0.010 | <0.0056 | 0.38 | -- | -- |
| VB-0756C | 5/28/2015 | | 15654272.38 | 1399229.56 | 636.5 | KK35 | base | <0.011 | 0.34 | <0.011 | <0.0058 | 0.34 | -- | -- |
| VB-0757C | 5/28/2015 | | 15654272.64 | 1399219.56 | 636.5 | JJ35 | base | <0.010 | 0.14 | <0.010 | <0.0057 | 0.14 | -- | -- |
| VB-0758C | 5/28/2015 | | 15654262.13 | 1399239.30 | 636.5 | LL36 | base | <0.010 | 0.035 | <0.010 | <0.0055 | 0.035 | -- | -- |
| VB-0759C | 5/28/2015 | | 15654262.38 | 1399229.31 | 636.5 | KK36 | base | <0.010 | 0.08 | <0.010 | <0.0056 | 0.080 | -- | -- |
| VB-0760C | 5/28/2015 | | 15654262.64 | 1399219.31 | 636.5 | JJ36 | base | <0.010 | 0.14 | <0.010 | <0.0056 | 0.14 | -- | -- |
| VW-0771C | 5/29/2015 | | 15654362.61 | 1399225.35 | 636.0 | JJ26-E | sidewall | <0.011 | 0.12 | <0.011 | <0.0059 | 0.12 | -- | -- |
| VW-0785C | 6/1/2015 | | 15654410.81 | 1399293.10 | 635.5 | QQ21 | sidewall | <0.011 | 0.32 | <0.011 | 0.27 | 0.59 | -- | -- |
| VW-0786C | 6/1/2015 | | 15654391.58 | 1399266.10 | 636.5 | NN23-E | sidewall | <0.010 | 0.19 | <0.010 | <0.0057 | 0.19 | -- | -- |
| VW-0787C | 6/1/2015 | | 15654401.58 | 1399266.36 | 636.5 | NN22-E | sidewall | <0.010 | 0.075 | <0.010 | <0.0056 | 0.075 | -- | -- |
| VW-0788C | 6/1/2015 | | 15654411.57 | 1399268.11 | 636.5 | NN21-E | sidewall | <0.010 | 0.045 | <0.010 | <0.0056 | 0.045 | -- | -- |
| VB-0789C | 6/1/2015 | | 15654411.57 | 1399263.11 | 635.5 | NN21 | base | <0.011 | 0.16 | <0.011 | <0.0058 | 0.16 | -- | -- |
| VB-0790C | 6/1/2015 | | 15654401.58 | 1399262.86 | 635.5 | NN22 | base | <0.011 | 0.11 | <0.011 | <0.0059 | 0.11 | -- | -- |
| VB-0791C | 6/1/2015 | | 15654401.83 | 1399255.36 | 635.5 | MM22 | base | <0.011 | 0.40 | <0.011 | <0.0058 | 0.40 | -- | -- |
| VB-0792C | 6/1/2015 | | 15654391.58 | 1399262.60 | 635.5 | NN23 | base | <0.011 | 0.039 | <0.011 | <0.0057 | 0.039 | -- | -- |
| VB-0793C | 6/1/2015 | east off-Site | 15654391.83 | 1399255.11 | 635.5 | MM23 | base | <0.010 | 1.1 | <0.010 | <0.0056 | 1.1 [1] | -- | -- |
| VW-0794C | 6/1/2015 | | 15654385.33 | 1399269.85 | 636.5 | OO24-N | sidewall | <0.010 | 0.27 | <0.010 | <0.0056 | 0.27 | -- | -- |
| VW-0795C | 6/1/2015 | | 15654381.33 | 1399272.35 | 636.5 | OO24 | sidewall | <0.010 | 0.43 | <0.010 | <0.0056 | 0.43 | -- | -- |
| VW-0796C | 6/1/2015 | | 15654372.33 | 1399272.09 | 636.5 | OO25 | sidewall | <0.010 | 0.26 | <0.010 | 0.25 | 0.51 | -- | -- |
| VW-0797C | 6/1/2015 | | 15654361.34 | 1399273.84 | 636.5 | OO26-E | sidewall | <0.011 | 0.12 | <0.011 | 0.15 | 0.27 | -- | -- |
| VW-0798C | 6/1/2015 | | 15654356.34 | 1399269.34 | 636.5 | OO26-S | sidewall | <0.010 | 0.14 | <0.010 | 0.17 | 0.31 | -- | -- |
| VB-0799C | 6/1/2015 | | 15654381.33 | 1399269.85 | 636.0 | OO24 | base | <0.010 | <0.013 | <0.010 | <0.0057 | <0.0057 | -- | -- |
| VB-0800C | 6/1/2015 | | 15654371.33 | 1399269.59 | 636.0 | OO25 | base | <0.010 | 0.13 | <0.010 | 0.081 | 0.211 | -- | -- |
| VB-0801C | 6/1/2015 | | 15654361.34 | 1399269.34 | 636.0 | OO26 | base | <0.010 | 0.095 | <0.010 | <0.0057 | 0.095 | -- | -- |
| VB-0802C | 6/1/2015 | | 15654321.86 | 1399248.33 | 636.0 | MM30 | base | <0.010 | 0.25 | <0.010 | <0.0056 | 0.25 | -- | -- |
| VW-0803C | 6/1/2015 | | 15654321.86 | 1399252.83 | 637.0 | MM30 | sidewall | <0.010 | 0.082 | <0.010 | <0.0056 | 0.082 | -- | -- |
| VW-0804C | 6/1/2015 | | 15654316.86 | 1399248.33 | 637.0 | MM30-S | sidewall | <0.010 | 0.082 | <0.010 | <0.0056 | 0.082 | -- | -- |
| VW-0805C | 6/1/2015 | | 15654347.61 | 1399221.34 | 634.0 | JJ28-N | sidewall | <0.011 | 1.3 | <0.011 | <0.0058 | 1.3 [1] | -- | -- |
| VW-5805C* | 6/1/2015 | | 15654347.61 | 1399221.34 | 634.0 | JJ28-N | sidewall | <0.011 | 0.87 | <0.011 | <0.0058 | | -- | -- |
| VW-0806C | 6/1/2015 | | 15654347.36 | 1399231.34 | 634.0 | KK28-N | sidewall | <0.010 | 1.7 | <0.010 | <0.0057 | 1.7 [1] | -- | -- |
| VW-0807C | 6/1/2015 | | 15654347.10 | 1399238.09 | 634.5 | LL27-S | sidewall | <0.010 | 0.51 | <0.010 | <0.0055 | 0.51 | -- | -- |
| VW-0808C | 6/1/2015 | | 15654338.10 | 1399238.84 | 634.5 | LL28-S | sidewall | <0.010 | 0.78 | <0.010 | <0.0057 | 0.78 | -- | -- |
| VW-0809C | 6/1/2015 | | 15654332.36 | 1399234.59 | 634.5 | KK29-E | sidewall | <0.010 | 0.29 | <0.010 | <0.0057 | 0.29 | -- | -- |
| VW-0810C | 6/1/2015 | | 15654324.36 | 1399231.09 | 635.0 | KK29-S | sidewall | <0.010 | 0.081 | <0.010 | <0.0057 | 0.081 | -- | -- |
| VW-0811C | 6/1/2015 | | 15654323.62 | 1399221.09 | 635.0 | JJ29-S | sidewall | <0.010 | 0.031 | <0.010 | <0.0056 | 0.031 | -- | -- |
| VB-0812C | 6/1/2015 | | 15654372.35 | 1399232.10 | 636.0 | KK25 | base | <0.011 | 0.47 | <0.011 | <0.0058 | 0.47 | -- | -- |
| VB-0813C | 6/1/2015 | | 15654362.35 | 1399231.85 | 636.0 | KK26 | base | <0.010 | 0.95 | <0.010 | <0.0057 | 0.95 | -- | -- |
| VB-0899C | 6/3/2015 | | 15654381.84 | 1399249.85 | 636.0 | MM24 | base | <0.011 | 0.073 | <0.011 | <0.0059 | 0.073 | -- | -- |
| VB-0900C | 6/3/2015 | | 15654382.09 | 1399242.36 | 636.0 | LL24 | base | <0.011 | 0.24 | <0.011 | 0.086 | 0.326 | -- | -- |
| VB-0901C | 6/3/2015 | | 15654382.35 | 1399232.36 | 636.0 | KK24 | base | <0.011 | 0.75 | <0.011 | 0.19 | 0.94 | -- | -- |
| | | | | | | | | | | | | USEPA RESIDENTIAL RSL | 22,000 | 910 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than off-Site soil removal criteria; additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 1 mg/kg (greater than off-Site PCB-impacted soil removal criterion) |
| [2] | total PCBs > 50 mg/kg (greater than location criteria for on-Site placement within Clay Cap Area) |
| [3] | CVOCs > USEPA residential RSL (greater than off-Site CVOC-impacted soil removal criterion) |
| [4] | > 10 x the landfill disposal restriction (60,000 µg/kg) |

refer to laboratory reports in Appendix 5 for data qualifiers
-- - not analyzed or not applicable
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929
*** - sample was collected just inside the property boundary; therefore, CVOC concentrations were compared to the industrial RSLs

CVOCs - chlorinated volatile organic compounds
mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
PCE - tetrachloroethene
RSL - USEPA Regional Screening Level
TCE - trichloroethene
µg/kg - micrograms per kilogram
USEPA - United States Environmental Protection Agency
VB - verification base sample
VW - verification wall sample

**TABLE 15A**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - OFF-SITE UNSATURATED PCB AND CVOC-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | | CVOCs | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] | PCE [µg/kg] | TCE [µg/kg] |
| VW-0902C | 6/3/2015 | east off-Site | 15654322.37 | 1399233.83 | 635.0 | KK30-E | sidewall | <0.010 | 0.046 | <0.010 | <0.0057 | 0.046 | -- | -- |
| VW-0903C | 6/3/2015 | | 15654317.37 | 1399230.83 | 635.0 | KK30-S | sidewall | <0.010 | 0.041 | <0.010 | <0.0056 | 0.041 | -- | -- |
| VW-0904C | 6/3/2015 | | 15654312.62 | 1399224.58 | 635.0 | JJ31-E | sidewall | <0.010 | <0.012 | <0.010 | <0.0056 | <0.0056 | -- | -- |
| VW-0905C | 6/3/2015 | | 15654307.63 | 1399220.33 | 635.0 | JJ32-N | sidewall | <0.010 | 0.084 | <0.010 | <0.0055 | 0.084 | -- | -- |
| VW-0906C | 6/3/2015 | | 15654299.63 | 1399220.07 | 635.5 | JJ33-N | sidewall | <0.010 | 0.12 | <0.010 | <0.0055 | 0.12 | -- | -- |
| VW-0907C | 6/3/2015 | | 15654298.37 | 1399230.07 | 635.5 | KK33-N | sidewall | <0.010 | 0.30 | <0.010 | <0.0055 | 0.30 | -- | -- |
| VW-0908C | 6/3/2015 | | 15654292.37 | 1399235.07 | 635.0 | KK33-E | sidewall | <0.010 | 0.70 | <0.010 | <0.0055 | 0.70 | -- | -- |
| VW-0909C | 6/3/2015 | | 15654287.37 | 1399230.07 | 635.0 | KK33-S | sidewall | <0.010 | 0.52 | <0.010 | <0.0055 | 0.52 | -- | -- |
| VW-0910C | 6/3/2015 | | 15654282.63 | 1399224.82 | 635.0 | JJ34-E | sidewall | <0.010 | 0.13 | <0.010 | <0.0055 | 0.13 | -- | -- |
| VW-0911C | 6/3/2015 | | 15654277.63 | 1399219.82 | 635.5 | JJ34-S | sidewall | <0.010 | <0.012 | <0.010 | <0.0055 | <0.0055 | -- | -- |
| VW-0912C | 6/3/2015 | | 15654288.12 | 1399243.31 | 637.0 | LL34-N | sidewall | <0.010 | 0.11 | <0.010 | <0.0056 | 0.11 | -- | -- |
| VW-0913C | 6/3/2015 | | 15654281.87 | 1399249.81 | 638.0 | MM34 | sidewall | <0.010 | <0.012 | <0.010 | <0.0055 | <0.0055 | -- | -- |
| VW-0914C | 6/3/2015 | | 15654271.87 | 1399249.56 | 638.0 | MM35 | sidewall | <0.0097 | <0.012 | <0.0097 | <0.0053 | <0.0053 | -- | -- |
| VW-0915C | 6/3/2015 | | 15654267.13 | 1399244.56 | 638.0 | LL35-S | sidewall | <0.010 | 0.019 | <0.010 | <0.0056 | 0.019 | -- | -- |
| VB-0916C | 6/3/2015 | | 15654282.12 | 1399244.81 | 636.5 | LL34 | base | <0.010 | 0.22 | <0.010 | <0.0057 | 0.22 | -- | -- |
| VB-0917C | 6/3/2015 | | 15654272.13 | 1399244.56 | 636.5 | LL35 | base | <0.010 | <0.012 | <0.010 | <0.0056 | <0.0056 | -- | -- |
| VB-5917C* | 6/3/2015 | | 15654272.13 | 1399244.56 | 636.5 | LL35 | base | <0.010 | <0.013 | <0.010 | <0.0057 | | -- | -- |
| VW-0988C | 6/5/2015 | | 15654352.36 | 1399234.60 | 634.0 | KK27-E | sidewall | <0.54 | <0.65 | <0.54 | <0.0057 | 1.8 [1] | -- | -- |
| VW-0989C | 6/5/2015 | | 15654358.36 | 1399231.60 | 634.0 | KK27-N | sidewall | <0.52 | <0.63 | <0.52 | 0.26 | 1.76 [1] | -- | -- |
| VW-0990C | 6/5/2015 | | 15654391.83 | 1399257.61 | 635.0 | MM23-E | sidewall | <0.53 | <0.64 | <0.53 | <0.0059 | 0.15 | -- | -- |
| VW-0991C | 6/5/2015 | | 15654396.83 | 1399252.61 | 635.0 | MM23-N | sidewall | <0.51 | <0.62 | <0.51 | <0.0058 | 0.44 | -- | -- |
| VW-0992C | 6/5/2015 | | 15654385.83 | 1399252.61 | 635.0 | MM23-S | sidewall | <0.52 | <0.63 | <0.52 | <0.0058 | 0.17 | -- | -- |
| VW-1061C | 6/9/2015 | | 15654367.35 | 1399231.85 | 634.0 | KK26-N | sidewall | <0.011 | 0.42 | <0.011 | 0.063 | 0.483 | -- | -- |
| VW-1062C | 6/9/2015 | | 15654362.10 | 1399241.85 | 634.0 | LL26 | sidewall | <0.010 | 0.32 | <0.010 | 0.044 | 0.364 | -- | -- |
| VW-1194C | 6/16/2015 | | 15654606.85 | 1399058.01 | 642.0 | S2 | sidewall | <0.011 | 0.72 | <0.011 | <0.0058 | 0.72 | -- | -- |
| VW-1195C | 6/16/2015 | | 15654607.36 | 1399038.02 | 642.0 | Q2 | sidewall | <0.10 | 40 | <0.1 | <0.057 | 40 [1] | -- | -- |
| VW-1196C | 6/16/2015 | | 15654596.85 | 1399062.76 | 642.0 | S3-E | sidewall | <0.010 | 2.5 | <0.010 | <0.0056 | 2.5 [1] | -- | -- |
| VW-1197C | 6/16/2015 | | 15654592.36 | 1399037.76 | 642.0 | Q3-S | sidewall | <0.052 | 23 | <0.052 | <0.028 | 23 [1] | -- | -- |
| VW-1198C | 6/16/2015 | | 15654607.11 | 1399048.01 | 642.0 | R2 | sidewall | <0.010 | 4.5 | <0.010 | <0.0056 | 4.5 [1] | -- | -- |
| VW-1199C | 6/16/2015 | | 15654597.11 | 1399042.76 | 642.0 | R3-W | sidewall | <0.54 | 200 | <0.54 | <0.29 | 200 [2] | -- | -- |
| VW-1200C | 6/16/2015 | | 15654591.85 | 1399057.76 | 642.0 | S3-S | sidewall | <0.022 | 8.0 | <0.022 | <0.012 | 8.0 [1] | -- | -- |
| VW-1201C | 6/16/2015 | | 15654592.11 | 1399047.76 | 642.0 | R3-S | sidewall | <0.21 | 67 | <0.21 | <0.12 | 91 [2] | -- | -- |
| VW-51201C* | 6/16/2015 | | 15654592.11 | 1399047.76 | 642.0 | R3-S | sidewall | <0.21 | 91 | <0.21 | <0.12 | | -- | -- |
| VB-1231C | 6/18/2015 | | 15654596.35 | 1399077.75 | 641.6 | U3 | base | <0.011 | 0.17 | <0.011 | <0.0059 | 0.17 | -- | -- |
| VB-1232C | 6/18/2015 | | 15654596.60 | 1399067.75 | 641.6 | T3 | base | <0.010 | 0.95 | <0.010 | <0.0056 | 0.95 | -- | -- |
| VB-1233C | 6/18/2015 | | 15654598.89 | 1398977.78 | 644.5 | K3 | base | <0.010 | 0.37 | <0.010 | <0.0057 | 0.37 | -- | -- |
| VB-1234C | 6/18/2015 | north off-Site | 15654598.63 | 1398987.78 | 644.5 | L3 | base | <0.011 | 1.5 | <0.011 | <0.0058 | 1.5 [1] | -- | -- |
| VW-1235C | 6/18/2015 | | 15654591.60 | 1399067.75 | 644.0 | T3-S | sidewall | <0.011 | 0.93 | <0.011 | <0.0058 | 0.93 | -- | -- |
| VW-1236C | 6/18/2015 | | 15654593.89 | 1398977.78 | 645.5 | K3-S | sidewall | <0.010 | 0.095 | <0.010 | <0.0054 | 0.095 | -- | -- |
| VW-1237C | 6/18/2015 | | 15654603.89 | 1398977.78 | 645.5 | K3-N | sidewall | <0.010 | 0.19 | <0.010 | <0.0056 | 0.19 | -- | -- |
| VW-1238C | 6/18/2015 | | 15654602.62 | 1399027.76 | 643.0 | P3-N | sidewall | <0.051 | 27 | <0.051 | <0.028 | 27 [1] | -- | -- |
| VW-1239C | 6/18/2015 | | 15654598.89 | 1398972.78 | 645.5 | K3-W | sidewall | <0.010 | 0.97 | <0.010 | <0.0055 | 0.97 | -- | -- |
| VW-1240C | 6/18/2015 | | 15654603.63 | 1398987.78 | 645.5 | L3-N | sidewall | <0.010 | 0.29 | <0.010 | <0.0055 | 0.29 | -- | -- |
| VW-1241C | 6/18/2015 | | 15654592.87 | 1399017.77 | 643.0 | O3-S | sidewall | <0.11 | 37 | <0.11 | <0.058 | 37 [1] | -- | -- |
| VW-1242C | 6/18/2015 | | 15654593.63 | 1398987.78 | 645.5 | L3-S | sidewall | <0.010 | 0.17 | <0.010 | <0.0055 | 0.17 | -- | -- |
| VW-1243C | 6/18/2015 | | 15654597.87 | 1399012.77 | 643.0 | O3-W | sidewall | <0.10 | 37 | <0.10 | <0.057 | 36 [1] | -- | -- |
| VW-51243C* | 6/18/2015 | | 15654597.87 | 1399012.77 | 643.0 | O3-W | sidewall | <0.11 | 36 | <0.11 | <0.058 | | -- | -- |
| VW-1244C | 6/18/2015 | | 15654592.62 | 1399027.76 | 643.0 | P3-S | sidewall | <0.21 | 110 | <0.21 | <0.11 | 110 [2] | -- | -- |
| VW-1245C | 6/18/2015 | | 15654602.87 | 1399017.77 | 643.0 | O3-N | sidewall | <0.11 | 36 | <0.11 | <0.058 | 36 [1] | -- | -- |
| USEPA RESIDENTIAL RSL | | | | | | | | | | | | | 22,000 | 910 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than off-Site soil removal criteria; additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 1 mg/kg (greater than off-Site PCB-impacted soil removal criterion) |
| [2] | total PCBs > 50 mg/kg (greater than location criteria for on-Site placement within Clay Cap Area) |
| [3] | CVOCs > USEPA residential RSL (greater than off-Site CVOC-impacted soil removal criterion) |
| [4] | > 10 x the landfill disposal restriction (60,000 µg/kg) |

refer to laboratory reports in Appendix 5 for data qualifiers
-- - not analyzed or not applicable
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929
*** - sample was collected just inside the property boundary; therefore, CVOC concentrations were compared to the industrial RSLs

CVOCs - chlorinated volatile organic compounds
mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
PCE - tetrachloroethene
RSL - USEPA Regional Screening Level
TCE - trichloroethene
µg/kg - micrograms per kilogram
USEPA - United States Environmental Protection Agency
VB - verification base sample
VW - verification wall sample

**TABLE 15A**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - OFF-SITE UNSATURATED PCB AND CVOC-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | | CVOCs | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] | PCE [µg/kg] | TCE [µg/kg] |
| VW-1246C | 6/18/2015 | north off-Site | 15654601.60 | 1399067.75 | 644.5 | T3-N | sidewall | <0.010 | 0.10 | <0.010 | <0.0055 | 0.10 | -- | -- |
| VW-1247C | 6/18/2015 | | 15654601.35 | 1399077.75 | 644.5 | U3-N | sidewall | <0.010 | 0.12 | <0.010 | <0.0055 | 0.12 | -- | -- |
| VW-1248C | 6/18/2015 | | 15654596.35 | 1399082.75 | 644.5 | U3-E | sidewall | <0.011 | 0.18 | <0.011 | 0.22 | 0.40 | -- | -- |
| VW-1249C | 6/18/2015 | | 15654591.35 | 1399077.75 | 644.5 | U3-S | sidewall | <0.011 | 0.30 | <0.011 | <0.0059 | 0.30 | -- | -- |
| VW-1304C | 6/19/2015 | | 15654595.58 | 1399102.74 | 641.0 | X3-W | sidewall | <0.52 | <0.63 | <0.52 | <0.29 | <0.29 | -- | -- |
| VW-1305C | 6/19/2015 | | 15654602.58 | 1399107.74 | 641.0 | X3-N | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 | -- | -- |
| VW-1306C | 6/19/2015 | | 15654602.33 | 1399117.74 | 640.0 | Y3-N | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 | -- | -- |
| VW-1307C | 6/19/2015 | | 15654602.07 | 1399127.73 | 640.0 | Z3 | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 | -- | -- |
| VW-1308C | 6/19/2015 | | 15654601.82 | 1399135.73 | 640.0 | AA3-N | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 | -- | -- |
| VW-1309C | 6/19/2015 | | 15654594.82 | 1399138.73 | 640.0 | AA3 | sidewall | <0.56 | <0.67 | <0.56 | <0.30 | <0.30 | -- | -- |
| VW-51309C* | 6/19/2015 | | 15654594.82 | 1399138.73 | 640.0 | AA3 | sidewall | <0.54 | <0.65 | <0.54 | <0.29 | | -- | -- |
| VW-1310C | 6/19/2015 | | 15654589.82 | 1399137.73 | 640.0 | AA3-S | sidewall | <0.54 | <0.65 | <0.54 | <0.29 | <0.29 | -- | -- |
| VW-1311C | 6/19/2015 | | 15654590.07 | 1399127.73 | 642.0 | Z3-S | sidewall | <0.54 | <0.65 | <0.54 | <0.29 | <0.29 | -- | -- |
| VW-1312C | 6/19/2015 | | 15654590.33 | 1399117.74 | 643.0 | Y3-S | sidewall | <0.54 | <0.65 | <0.54 | <0.30 | <0.30 | -- | -- |
| VW-1313C | 6/19/2015 | | 15654590.58 | 1399107.74 | 643.0 | X3-S | sidewall | <0.52 | <0.63 | <0.52 | <0.29 | <0.29 | -- | -- |
| VB-1314C | 6/19/2015 | | 15654595.07 | 1399127.73 | 639.5 | Z3 | base | <0.52 | <0.63 | <0.52 | <0.29 | <0.29 | -- | -- |
| VB-1315C | 6/19/2015 | | 15654595.33 | 1399117.74 | 639.5 | Y3 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 | -- | -- |
| VB-1316C | 6/19/2015 | | 15654595.58 | 1399107.74 | 639.5 | X3 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 | -- | -- |
| VB-1317C | 6/19/2015 | | 15654592.32 | 1399135.23 | 639.5 | AA3 | base | <0.54 | <0.65 | <0.54 | <0.29 | <0.29 | -- | -- |
| VW-1432C | 6/24/2015 | | 15654603.13 | 1399007.77 | 643.0 | N3-N | sidewall | <0.010 | 3.2 | <0.010 | <0.0057 | 3.2 [1] | -- | -- |
| VW-1433C | 6/24/2015 | | 15654598.63 | 1398982.78 | 643.5 | L3-W | sidewall | <0.010 | 0.099 | <0.010 | <0.0056 | 0.099 | -- | -- |
| VW-1434C | 6/24/2015 | | 15654603.63 | 1398987.78 | 643.5 | L3-N | sidewall | <0.010 | 1.0 | <0.010 | <0.0057 | 1.0 [1] | -- | -- |
| VW-1435C | 6/24/2015 | | 15654603.38 | 1398997.77 | 643.5 | M3-N | sidewall | <0.010 | 0.95 | <0.010 | <0.0055 | 0.95 | -- | -- |
| VW-1436C | 6/24/2015 | | 15654608.61 | 1399028.02 | 643.5 | P2-N | sidewall | <0.010 | 7.8 | <0.010 | 0.39 | 8.19 [1] | -- | -- |
| VW-1437C | 6/24/2015 | | 15654608.87 | 1399018.02 | 643.5 | O2-N | sidewall | <0.010 | 16 | <0.010 | 0.89 | 16.89 [1] | -- | -- |
| VW-1438C | 6/24/2015 | | 15654593.13 | 1399007.77 | 642.6 | N3-S | sidewall | <0.0098 | 87 | <0.0098 | 3.6 | 90.6 [2] | -- | -- |
| VW-51438C* | 6/24/2015 | | 15654593.13 | 1399007.77 | 642.6 | N3-S | sidewall | <0.0098 | 63 | <0.0098 | 2.5 | | -- | -- |
| VW-1439C | 6/24/2015 | | 15654612.36 | 1399038.02 | 643.3 | Q2-N | sidewall | <0.010 | 0.14 | <0.010 | <0.0055 | 0.14 | -- | -- |
| VW-1440C | 6/24/2015 | | 15654612.11 | 1399048.01 | 643.3 | R2-N | sidewall | <0.0099 | 0.049 | <0.0099 | <0.0054 | 0.049 | -- | -- |
| VW-1442C | 6/24/2015 | | 15654593.38 | 1398997.77 | 643.3 | M3-S | sidewall | <0.0099 | 0.45 | <0.0099 | <0.0054 | 0.45 | -- | -- |
| VW-1445C | 6/24/2015 | | 15654593.63 | 1398987.78 | 643.0 | L3-S | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 | -- | -- |
| VW-1465C | 6/25/2015 | | 15654599.10 | 1399072.75 | 640.0 | T3-E | sidewall | <0.010 | 0.045 | <0.010 | <0.0056 | 0.045 | -- | -- |
| VW-1468C | 6/25/2015 | | 15654591.60 | 1399067.75 | 641.0 | T3-S | sidewall | <0.010 | 0.11 | <0.010 | <0.0056 | 0.11 | -- | -- |
| VW-1469C | 6/25/2015 | | 15654601.60 | 1399067.75 | 641.0 | T3-N | sidewall | <0.010 | 0.37 | <0.010 | <0.0056 | 0.37 | -- | -- |
| VW-51469C* | 6/25/2015 | | 15654601.60 | 1399067.75 | 641.0 | T3-N | sidewall | <0.010 | 0.19 | <0.010 | <0.0056 | | -- | -- |
| VB-1516C | 7/1/2015 | east off-Site (mid-central sewer area) | 15654252.64 | 1399219.06 | 634.0 | JJ37 | base | <1.0 | 260 | <1.0 | 22 | 282 [2] | -- | -- |
| VW-1517C | 7/1/2015 | | 15654257.64 | 1399219.06 | 635.0 | JJ37-N | sidewall | <0.010 | 0.20 | <0.010 | 0.02 | 0.22 | -- | -- |
| VW-1518C | 7/1/2015 | | 15654245.14 | 1399219.06 | 635.0 | JJ37-S | sidewall | <0.010 | 1.2 | <0.010 | 0.19 | 1.39 [1] | -- | -- |
| VW-1535C | 7/2/2015 | | 15654242.65 | 1399216.30 | 637.0 | JJ38 | sidewall | <0.011 | 0.68 | <0.011 | 0.13 | 0.81 | -- | -- |
| VB-1536C | 7/2/2015 | | 15654250.14 | 1399216.56 | 631.9 | JJ37 | base | <0.010 | 0.036 | <0.010 | <0.0055 | 0.036 | -- | -- |
| VW-1564C | 7/7/2015 | north off-Site | 15654613.63 | 1398988.03 | 643.0 | L2-N | sidewall | <0.010 | <0.013 | <0.010 | <0.0057 | <0.0057 | -- | -- |
| VW-1565C | 7/7/2015 | | 15654613.12 | 1399008.03 | 643.0 | N2-N | sidewall | <0.010 | 0.024 | <0.010 | <0.0055 | 0.024 | -- | -- |
| VW-1566C | 7/7/2015 | | 15654612.87 | 1399018.02 | 643.0 | O2-N | sidewall | <0.0099 | <0.012 | <0.0099 | <0.0054 | <0.0054 | -- | -- |
| VW-1567C | 7/7/2015 | | 15654612.61 | 1399028.02 | 643.0 | P2-N | sidewall | <0.010 | <0.012 | <0.010 | <0.0055 | <0.0055 | -- | -- |
| VB-1605C | 7/9/2015 | east off-Site | 15654192.66 | 1399217.53 | 639.0 | JJ43 | base | <0.11 | 32 | <0.11 | 4.8 | 36.8 [1] | -- | -- |
| VB-1606C | 7/9/2015 | | 15654192.41 | 1399227.53 | 639.0 | KK43 | base | <0.010 | 2.6 | <0.010 | 0.88 | 3.48 [1] | -- | -- |
| VB-1607C | 7/9/2015 | | 15654192.15 | 1399234.52 | 639.0 | LL43 | base | <0.0099 | 1.4 | <0.0099 | 0.55 | 1.95 [1] | -- | -- |
| VB-1608C | 7/9/2015 | | 15654182.66 | 1399217.28 | 639.0 | JJ44 | base | <4.3 | 1,300 | <4.3 | <2.4 | 1,300 [2] | -- | -- |
| VB-1609C | 7/9/2015 | | 15654172.16 | 1399234.02 | 639.0 | LL45 | base | <0.011 | 1.1 | <0.011 | 0.56 | 1.66 [1] | -- | -- |
| | | | | | | | | | | | | USEPA RESIDENTIAL RSL | 22,000 | 910 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than off-Site soil removal criteria; additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 1 mg/kg (greater than off-Site PCB-impacted soil removal criterion) |
| [2] | total PCBs > 50 mg/kg (greater than location criteria for on-Site placement within Clay Cap Area) |
| [3] | CVOCs > USEPA residential RSL (greater than off-Site CVOC-impacted soil removal criterion) |
| [4] | > 10 x the landfill disposal restriction (60,000 µg/kg) |

refer to laboratory reports in Appendix 5 for data qualifiers
-- - not analyzed or not applicable
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929
*** - sample was collected just inside the property boundary; therefore, CVOC concentrations were compared to the industrial RSLs

CVOCs - chlorinated volatile organic compounds
mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
PCE - tetrachloroethene
RSL - USEPA Regional Screening Level
TCE - trichloroethene
µg/kg - micrograms per kilogram
USEPA - United States Environmental Protection Agency
VB - verification base sample
VW - verification wall sample

**TABLE 15A**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - OFF-SITE UNSATURATED PCB AND CVOC-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | | CVOCs | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] | PCE [µg/kg] | TCE [µg/kg] |
| VB-1610C | 7/9/2015 | east off-Site | 15654152.42 | 1399226.51 | 639.0 | KK47 | base | <0.011 | 0.69 | <0.011 | 0.80 | 1.49 [1] | -- | -- |
| VB-1611C | 7/9/2015 | | 15654142.68 | 1399216.26 | 639.0 | JJ48 | base | <0.012 | 0.55 | <0.012 | 0.26 | 0.81 | -- | -- |
| VB-1612C | 7/9/2015 | | 15654162.67 | 1399216.77 | 639.0 | JJ46 | base | <0.011 | 0.024 | <0.011 | 0.02 | 0.044 | -- | -- |
| VB-1613C | 7/9/2015 | | 15654182.16 | 1399234.27 | 639.0 | LL44 | base | <0.052 | 11 | <0.052 | 2.0 | 13 [1] | -- | -- |
| VB-1614C | 7/9/2015 | | 15654172.41 | 1399227.02 | 639.0 | KK45 | base | <0.011 | 0.69 | <0.011 | 0.44 | 1.13 [1] | -- | -- |
| VB-1615C | 7/9/2015 | | 15654142.42 | 1399226.26 | 639.0 | KK48 | base | <0.011 | 0.18 | <0.011 | 0.22 | 0.40 | -- | -- |
| VB-1616C | 7/9/2015 | | 15654182.41 | 1399227.27 | 639.0 | KK44 | base | <0.22 | 78 | <0.22 | 9.5 | 87.5 [2] | -- | -- |
| VB-1617C | 7/9/2015 | | 15654172.67 | 1399214.02 | 639.0 | JJ45 | base | <0.054 | 9.7 | <0.054 | 1.6 | 11.3 [1] | -- | -- |
| VB-1618C | 7/9/2015 | | 15654162.16 | 1399233.76 | 639.0 | LL46 | base | <0.011 | 0.51 | <0.011 | 0.44 | 0.95 | -- | -- |
| VB-1619C | 7/9/2015 | | 15654152.67 | 1399216.51 | 639.0 | JJ47 | base | <0.011 | <0.013 | <0.011 | 0.036 | 0.036 | -- | -- |
| VB-51619C* | 7/9/2015 | | 15654152.67 | 1399216.51 | 639.0 | JJ47 | base | <0.011 | <0.013 | <0.011 | 0.034 | | -- | -- |
| VB-1620C | 7/9/2015 | | 15654142.17 | 1399233.25 | 639.0 | LL48 | base | <0.011 | 0.42 | <0.011 | 0.26 | 0.68 | -- | -- |
| VB-1621C | 7/9/2015 | | 15654152.17 | 1399233.51 | 639.0 | LL47 | base | <0.011 | 0.36 | <0.011 | <0.0061 | 0.36 | -- | -- |
| VB-1622C | 7/9/2015 | | 15654162.42 | 1399226.77 | 639.0 | KK46 | base | <0.011 | 0.33 | <0.011 | <0.0061 | 0.33 | -- | -- |
| VB-1623C | 7/10/2015 | | 15654182.41 | 1399227.27 | 639.0 | KK44 | base | <0.010 | 0.092 | <0.010 | <0.0057 | 0.092 | -- | -- |
| VB-1624C | 7/10/2015 | | 15654182.66 | 1399217.28 | 639.0 | JJ44 | base | <0.010 | <0.013 | <0.010 | <0.0057 | <0.0057 | -- | -- |
| VW-1625C | 7/10/2015 | | 15654182.66 | 1399212.28 | 637.5 | JJ44-W | sidewall | <0.010 | 0.45 | <0.010 | <0.0057 | 0.45 | -- | -- |
| VW-1626C | 7/10/2015 | | 15654182.41 | 1399235.27 | 637.0 | KK44-E | sidewall | <0.010 | <0.013 | <0.010 | <0.0057 | <0.0057 | -- | -- |
| VW-1627C | 7/10/2015 | | 15654172.67 | 1399212.02 | 639.0 | JJ45-W | sidewall | <0.011 | 0.18 | <0.011 | 0.042 | 0.222 | -- | -- |
| VW-1628C | 7/10/2015 | | 15654172.16 | 1399237.02 | 639.0 | LL45 | sidewall | <0.010 | 0.18 | <0.010 | 0.065 | 0.245 | -- | -- |
| VW-1629C | 7/10/2015 | | 15654167.67 | 1399217.02 | 638.5 | JJ45-S | sidewall | <0.011 | <0.013 | <0.011 | <0.0058 | <0.0058 | -- | -- |
| VW-1630C | 7/10/2015 | | 15654192.15 | 1399235.52 | 639.0 | LL43 | sidewall | <0.010 | 0.24 | <0.010 | 0.20 | 0.57 | -- | -- |
| VW-51630C* | 7/10/2015 | | 15654192.15 | 1399235.52 | 639.0 | LL43 | sidewall | <0.010 | 0.31 | <0.010 | 0.26 | | -- | -- |
| VW-1631C | 7/10/2015 | | 15654197.15 | 1399235.02 | 639.0 | LL43-N | sidewall | <0.010 | 0.15 | <0.010 | 0.12 | 0.27 | -- | -- |
| VW-1632C | 7/10/2015 | | 15654167.16 | 1399234.52 | 639.0 | LL45-S | sidewall | <0.010 | 0.51 | <0.010 | 0.13 | 0.64 | -- | -- |
| VW-1633C | 7/10/2015 | | 15654197.41 | 1399227.53 | 639.0 | KK43-N | sidewall | <0.010 | 1.6 | <0.010 | 0.44 | 2.04 [1] | -- | -- |
| VW-1634C | 7/10/2015 | | 15654147.42 | 1399226.51 | 638.5 | KK47-S | sidewall | <0.010 | <0.012 | <0.010 | <0.0056 | <0.0056 | -- | -- |
| VW-1635C | 7/10/2015 | | 15654192.66 | 1399212.53 | 639.0 | JJ43-W | sidewall | <0.011 | 1.3 | <0.011 | 0.61 | 1.91 [1] | -- | -- |
| VW-1636C | 7/10/2015 | | 15654152.42 | 1399221.51 | 639.0 | KK47-W | sidewall | <0.010 | <0.012 | <0.010 | <0.0057 | <0.0057 | -- | -- |
| VW-1637C | 7/10/2015 | | 15654167.41 | 1399227.02 | 639.0 | KK45-S | sidewall | <0.011 | 0.036 | <0.011 | 0.043 | 0.079 | -- | -- |
| VW-1638C | 7/10/2015 | | 15654157.42 | 1399226.51 | 638.0 | KK47-N | sidewall | <0.010 | 0.59 | <0.010 | 0.67 | 1.26 [1] | -- | -- |
| VW-1639C | 7/10/2015 | | 15654152.42 | 1399231.51 | 638.0 | KK47-E | sidewall | <0.011 | <0.013 | <0.011 | 0.016 | 0.016 | -- | -- |
| VW-1640C | 7/10/2015 | | 15654197.66 | 1399217.53 | 639.0 | JJ43-N | sidewall | <0.011 | 1.2 | <0.011 | 0.41 | 1.61 [1] | -- | -- |
| VB-1641C | 7/10/2015 | | 15654192.41 | 1399227.53 | 638.3 | KK43 | base | <0.011 | 0.026 | <0.011 | 0.028 | 0.054 | -- | -- |
| VB-1642C | 7/10/2015 | | 15654192.15 | 1399235.02 | 638.3 | LL43 | base | <0.010 | 0.10 | <0.010 | 0.037 | 0.137 | -- | -- |
| VB-1643C | 7/10/2015 | | 15654192.66 | 1399217.53 | 638.3 | JJ43 | base | <0.011 | 0.59 | <0.011 | 0.098 | 0.688 | -- | -- |
| VB-1644C | 7/10/2015 | | 15654172.41 | 1399227.02 | 637.9 | KK45 | base | <0.011 | 0.014 | <0.011 | 0.015 | 0.029 | -- | -- |
| VB-1645C | 7/10/2015 | | 15654172.16 | 1399235.02 | 637.9 | LL45 | base | <0.010 | 0.029 | <0.010 | 0.019 | 0.048 | -- | -- |
| VB-1646C | 7/10/2015 | | 15654172.67 | 1399217.02 | 637.9 | JJ45 | base | <0.011 | <0.013 | <0.011 | <0.0058 | <0.0058 | -- | -- |
| VB-1647C | 7/10/2015 | | 15654152.42 | 1399226.51 | 637.5 | KK47 | base | <0.011 | <0.013 | <0.011 | <0.0059 | <0.0059 | -- | -- |
| VB-1648C | 7/10/2015 | | 15654182.16 | 1399234.77 | 636.5 | LL44 | base | <0.010 | 0.13 | <0.010 | <0.0055 | 0.13 | -- | -- |
| VB-51648C* | 7/10/2015 | | 15654182.16 | 1399234.77 | 636.5 | LL44 | base | <0.011 | <0.013 | <0.011 | <0.0059 | | -- | -- |
| VB-1649C | 7/14/2015 | | 15654162.42 | 1399226.77 | 637.0 | KK46 | base | <0.011 | 0.05 | <0.011 | 0.034 | 0.084 | -- | -- |
| VW-1650C | 7/14/2015 | | 15654162.42 | 1399221.77 | 637.5 | KK46-W | sidewall | <0.010 | <0.013 | <0.010 | <0.0057 | <0.0057 | -- | -- |
| VW-1651C | 7/14/2015 | | 15654162.42 | 1399231.77 | 637.5 | KK46-E | sidewall | <0.042 | 8.0 | <0.042 | 1.8 | 9.8 [1] | -- | -- |
| VB-1652C | 7/14/2015 | | 15654202.40 | 1399227.78 | 638.0 | KK42 | base | <0.010 | 0.043 | <0.010 | <0.0057 | 0.043 | -- | -- |
| VB-1653C | 7/14/2015 | | 15654202.66 | 1399217.79 | 638.0 | JJ42 | base | <0.011 | <0.013 | <0.011 | <0.0058 | <0.0058 | -- | -- |
| VW-1655C | 7/14/2015 | | 15654207.66 | 1399217.79 | 639.0 | JJ42-N | sidewall | <0.011 | 1.7 | <0.011 | 0.78 | 2.48 [1] | -- | -- |
| | | | | | | | | | | | | USEPA RESIDENTIAL RSL | 22,000 | 910 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than off-Site soil removal criteria; additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 1 mg/kg (greater than off-Site PCB-impacted soil removal criterion) |
| [2] | total PCBs > 50 mg/kg (greater than location criteria for on-Site placement within Clay Cap Area) |
| [3] | CVOCs > USEPA residential RSL (greater than off-Site CVOC-impacted soil removal criterion) |
| [4] | > 10 x the landfill disposal restriction (60,000 µg/kg) |

refer to laboratory reports in Appendix 5 for data qualifiers
-- - not analyzed or not applicable
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929
*** - sample was collected just inside the property boundary; therefore, CVOC concentrations were compared to the industrial RSLs

CVOCs - chlorinated volatile organic compounds
mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
PCE - tetrachloroethene
RSL - USEPA Regional Screening Level
TCE - trichloroethene
µg/kg - micrograms per kilogram
USEPA - United States Environmental Protection Agency
VB - verification base sample
VW - verification wall sample

**TABLE 15A**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - OFF-SITE UNSATURATED PCB AND CVOC-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | | CVOCs | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] | PCE [µg/kg] | TCE [µg/kg] |
| VW-1657C | 7/14/2015 | east off-Site | 15654202.40 | 1399232.78 | 639.0 | KK42-E | sidewall | <0.010 | 0.23 | <0.010 | 0.19 | 0.42 | -- | -- |
| VW-1658C | 7/14/2015 | | 15654207.40 | 1399227.78 | 639.0 | KK42-N | sidewall | <0.011 | 0.21 | <0.011 | 0.20 | 0.41 | -- | -- |
| VB-1660C | 7/14/2015 | | 15654162.16 | 1399234.26 | 637.8 | LL46 | base | <0.011 | 1.6 | <0.011 | 0.39 | 1.99 [1] | -- | -- |
| VW-1661C | 7/14/2015 | | 15654157.16 | 1399234.26 | 639.0 | LL46-S | sidewall | <0.010 | 0.21 | <0.010 | 0.17 | 0.38 | -- | -- |
| VW-1662C | 7/14/2015 | | 15654162.16 | 1399236.76 | 639.0 | LL46 | sidewall | <0.011 | 0.98 | <0.011 | 0.30 | 1.56 [1] | -- | -- |
| VW-51662C* | 7/14/2015 | | 15654162.16 | 1399236.76 | 639.0 | LL46 | sidewall | <0.011 | 1.2 | <0.011 | 0.36 | | -- | -- |
| VB-1663C | 7/14/2015 | | 15654212.65 | 1399218.04 | 638.0 | JJ41 | base | <0.010 | 0.33 | <0.010 | 0.098 | 0.428 | -- | -- |
| VW-1664C | 7/14/2015 | | 15654162.16 | 1399241.76 | 639.0 | LL46-E | sidewall | <0.010 | 0.074 | <0.010 | 0.13 | 0.204 | -- | -- |
| VW-1665C | 7/14/2015 | | 15654217.65 | 1399218.04 | 639.0 | JJ41-N | sidewall | <0.010 | 0.23 | <0.010 | 0.15 | 0.38 | -- | -- |
| VB-1666C | 7/14/2015 | | 15654162.16 | 1399236.76 | 637.0 | LL46 | base | <0.010 | 1.7 | <0.010 | 0.75 | 2.45 [1] | -- | -- |
| VW-1667C | 7/14/2015 | | 15654212.65 | 1399223.04 | 639.0 | JJ41-E | sidewall | <0.010 | 0.71 | <0.010 | 0.23 | 0.94 | -- | -- |
| | | | | | | | | | | | | USEPA RESIDENTIAL RSL | 22,000 | 910 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than off-Site soil removal criteria; additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 1 mg/kg (greater than off-Site PCB-impacted soil removal criterion) |
| [2] | total PCBs > 50 mg/kg (greater than location criteria for on-Site placement within Clay Cap Area) |
| [3] | CVOCs > USEPA residential RSL (greater than off-Site CVOC-impacted soil removal criterion) |
| [4] | > 10 x the landfill disposal restriction (60,000 µg/kg) |

refer to laboratory reports in Appendix 5 for data qualifiers
-- - not analyzed or not applicable
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929
*** - sample was collected just inside the property boundary; therefore, CVOC concentrations were compared to the industrial RSLs

CVOCs - chlorinated volatile organic compounds
mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
PCE - tetrachloroethene
RSL - USEPA Regional Screening Level
TCE - trichloroethene
µg/kg - micrograms per kilogram
USEPA - United States Environmental Protection Agency
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VW-0005C | 4/6/2015 | on-Site (east-central) | 15654395.35 | 1399212.62 | 636.0 | II23 | sidewall | <0.54 | 24 | <0.54 | 1.4 | 25.4 |
| VW-0037C | 4/17/2015 | | 15654532.81 | 1399213.68 | 636.5 | II9 | sidewall | <0.50 | <0.61 | <0.50 | 0.33 | 0.33 |
| VW-5037C* | 4/17/2015 | | 15654532.81 | 1399213.68 | 636.5 | II9 | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | |
| VW-0038C | 4/17/2015 | | 15654522.81 | 1399212.92 | 636.5 | II10 | sidewall | <0.53 | 6.2 | <0.53 | 0.57 | 6.77 |
| VW-0039C | 4/17/2015 | | 15654512.81 | 1399212.67 | 636.5 | II11 | sidewall | <0.52 | 270 | <0.52 | 19 | 289 [3] |
| VW-0040C | 4/17/2015 | | 15654502.82 | 1399212.42 | 636.5 | II12 | sidewall | <0.56 | 96 | <0.56 | 40 | 136 [3] |
| VW-0041C | 4/17/2015 | | 15654492.82 | 1399212.16 | 636.5 | II13 | sidewall | <0.53 | 62 | <0.53 | 11 | 73 [2] |
| VW-0042C | 4/20/2015 | | 15654521.57 | 1399205.67 | 637.5 | HH11-N | sidewall | <0.57 | 7.1 | <0.57 | 1.4 | 8.8 |
| VW-5042C* | 4/20/2015 | | 15654521.57 | 1399205.67 | 637.5 | HH11-N | sidewall | <0.57 | 7.3 | <0.57 | 1.5 | |
| VW-0043C | 4/20/2015 | | 15654513.07 | 1399200.67 | 636.5 | HH11-W | sidewall | <0.54 | 240 | <0.54 | 29 | 269 [3] |
| VW-0044C | 4/20/2015 | | 15654503.07 | 1399200.42 | 636.5 | HH12-W | sidewall | <0.53 | 130 | <0.53 | 24 | 154 [3] |
| VB-0062C | 4/17/2015 | | 15654532.81 | 1399216.18 | 633.2 | II9 | base | <0.54 | <0.65 | <0.54 | <0.29 | <0.29 |
| VB-0063C | 4/17/2015 | | 15654522.81 | 1399215.92 | 633.2 | II10 | base | <0.52 | 2.6 | <0.52 | <0.29 | 2.6 |
| VB-0064C | 4/17/2015 | | 15654512.81 | 1399215.67 | 633.2 | II11 | base | <0.52 | 110 | <0.52 | 8.6 | 118.6 [3] |
| VB-0065C | 4/17/2015 | | 15654502.82 | 1399215.42 | 633.2 | II12 | base | <0.52 | <0.63 | <0.52 | <0.29 | <0.29 |
| VB-0066C | 4/17/2015 | | 15654492.82 | 1399215.16 | 633.2 | II13 | base | <0.52 | 1.5 | <0.52 | 0.59 | 2.09 |
| VB-0067C | 4/20/2015 | | 15654482.82 | 1399214.91 | 633.2 | II14 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-0068C | 4/20/2015 | | 15654472.83 | 1399214.65 | 633.2 | II15 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-0078C | 4/20/2015 | on-Site (northeast) | 15654493.07 | 1399200.16 | 636.9 | HH13-W | sidewall | <0.52 | 37 | <0.52 | 3.6 | 40.6 [2] |
| VW-0079C | 4/20/2015 | | 15654483.08 | 1399201.41 | 636.9 | HH14-W | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-0080C | 4/20/2015 | | 15654473.08 | 1399202.16 | 637.0 | HH15-W | sidewall | <0.50 | <0.61 | <0.50 | <0.28 | <0.28 |
| VW-0081C | 4/20/2015 | | 15654468.08 | 1399204.66 | 637.2 | HH15-S | sidewall | <0.52 | 12 | <0.52 | 7.6 | 19.6 |
| VW-0082C | 4/20/2015 | | 15654467.83 | 1399214.65 | 637.2 | II15-S | sidewall | <0.55 | 3.9 | <0.55 | 2.2 | 6.1 |
| VB-0083C | 4/20/2015 | | 15654513.07 | 1399205.67 | 636.0 | HH11 | base | <0.52 | 8.1 | <0.52 | 0.76 | 8.86 |
| VB-0084C | 4/20/2015 | | 15654503.07 | 1399205.42 | 636.0 | HH12 | base | <0.55 | <0.66 | <0.55 | <0.30 | <0.30 |
| VB-5084C* | 4/20/2015 | | 15654503.07 | 1399205.42 | 636.0 | HH12 | base | <0.55 | <0.66 | <0.55 | <0.30 | |
| VB-0085C | 4/20/2015 | | 15654493.07 | 1399205.16 | 635.4 | HH13 | base | <0.53 | 1.0 | <0.53 | 0.64 | 1.64 |
| VB-0086C | 4/20/2015 | | 15654483.08 | 1399204.91 | 635.4 | HH14 | base | <0.52 | 0.93 | <0.52 | 0.59 | 1.52 |
| VB-0088C | 4/20/2015 | | 15654512.81 | 1399215.67 | 635.5 | II11 | base | <0.52 | 2.0 | <0.52 | <0.28 | 2.0 |
| VW-0093C | 4/21/2015 | | 15654513.58 | 1399190.68 | 638.5 | FF11-E | sidewall | <0.55 | 190 | <0.55 | 22 | 212 [3] |
| VW-0094C | 4/21/2015 | | 15654503.32 | 1399197.42 | 638.3 | GG12 | sidewall | <0.51 | 16 | <0.51 | 2.4 | 18.4 |
| VW-0095C | 4/21/2015 | | 15654493.33 | 1399199.17 | 637.4 | GG13 | sidewall | <0.52 | <0.63 | <0.52 | <0.29 | <0.29 |
| VW-0096C | 4/21/2015 | | 15654522.32 | 1399197.04 | 638.6 | GG11 | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-0097C | 4/21/2015 | | 15654515.82 | 1399195.68 | 636.0 | GG11 | base | <0.55 | <0.66 | <0.55 | <0.30 | <0.30 |
| VB-0098C | 4/21/2015 | | 15654503.32 | 1399198.42 | 636.0 | GG12 | base | <0.56 | <0.67 | <0.56 | <0.31 | <0.31 |
| VB-0099C | 4/21/2015 | | 15654496.33 | 1399199.17 | 636.0 | GG13 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-0100C | 4/22/2015 | on-Site (former courtyard) | 15654283.14 | 1399199.83 | 635.7 | HH34 | base | <0.55 | 4,300 | <0.54 | 28 | 4,530 [3] |
| VB-5100C* | 4/22/2015 | | 15654283.14 | 1399199.83 | 635.7 | HH34 | base | <0.54 | 400 | <0.55 | 230 | |
| VB-0101C | 4/22/2015 | | 15654283.39 | 1399189.83 | 635.7 | GG34 | base | <0.53 | 17 | <0.53 | 1.5 | 18.5 |
| VB-0102C | 4/22/2015 | | 15654283.65 | 1399181.83 | 635.7 | FF34 | base | <0.50 | 310 | <0.50 | 20 | 330 [3] |
| VB-0103C | 4/22/2015 | | 15654293.14 | 1399200.08 | 636.0 | HH33 | base | <0.50 | <0.61 | <0.50 | <0.27 | <0.27 |
| VB-0104C | 4/22/2015 | | 15654292.88 | 1399208.08 | 636.0 | II33 | base | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VB-0105C | 4/22/2015 | | 15654302.88 | 1399208.33 | 636.0 | II32 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-0106C | 4/22/2015 | | 15654303.13 | 1399200.33 | 636.0 | HH32 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-0107C | 4/22/2015 | | 15654312.88 | 1399208.59 | 636.0 | II31 | base | <0.54 | 4.2 | <0.54 | <0.30 | 4.2 |
| VB-0108C | 4/22/2015 | | 15654313.13 | 1399200.59 | 636.0 | HH31 | base | <0.54 | <0.66 | <0.54 | <0.30 | <0.30 |
| VB-0109C | 4/22/2015 | | 15654322.87 | 1399208.84 | 636.0 | II30 | base | <0.54 | <0.65 | <0.54 | <0.30 | <0.30 |
| VB-0110C | 4/22/2015 | | 15654323.13 | 1399200.84 | 636.0 | HH30 | base | <0.54 | <0.65 | <0.54 | <0.30 | <0.30 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers

* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table

** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VB-0111C | 4/22/2015 | on-Site (former courtyard) | 15654332.87 | 1399209.09 | 636.0 | II29 | base | <0.54 | 1.1 | <0.54 | <0.30 | 1.1 |
| VB-0112C | 4/22/2015 | | 15654333.12 | 1399201.10 | 636.0 | HH29 | base | <0.54 | 1.7 | <0.54 | <0.29 | 1.7 |
| VB-0113C | 4/22/2015 | | 15654342.87 | 1399209.35 | 636.0 | II28 | base | <0.54 | 1.1 | <0.54 | <0.29 | 1.1 |
| VB-0114C | 4/22/2015 | | 15654343.12 | 1399201.35 | 636.0 | HH28 | base | <0.53 | 290 | <0.53 | 21 | 311 [3] |
| VW-0119C | 4/24/2015 | | 15654302.88 | 1399212.83 | 637.5 | II32 | sidewall | <0.52 | 2.5 | <0.52 | <0.29 | 2.5 |
| VW-0120C | 4/24/2015 | | 15654292.88 | 1399212.58 | 637.5 | II33 | sidewall | <0.54 | 46 | <0.54 | 3.8 | 49.8 |
| VW-0121C | 4/24/2015 | | 15654282.89 | 1399212.32 | 637.5 | II34 | sidewall | <0.53 | 2.3 | <0.53 | <0.29 | 2.3 |
| VB-0122C | 4/24/2015 | | 15654282.89 | 1399209.82 | 634.0 | II34 | base | <0.51 | 300 | <0.51 | 26 | 326 [3] |
| VB-0123C | 4/24/2015 | | 15654283.14 | 1399199.83 | 634.0 | HH34 | base | <0.50 | 77 | <0.50 | 5.7 | 82.7 |
| VB-0124C | 4/24/2015 | | 15654283.39 | 1399189.83 | 634.0 | GG34 | base | <0.50 | 210 | <0.50 | 31 | 241 [3] |
| VB-0125C | 4/24/2015 | | 15654283.65 | 1399182.33 | 634.0 | FF34 | base | <0.50 | 600 | <0.50 | 40 | 640 [3] |
| VB-0132C | 4/24/2015 | | 15654343.38 | 1399191.35 | 632.0 | GG28 | base | <0.49 | 1.5 | <0.49 | <0.27 | 1.5 |
| VB-0133C | 4/24/2015 | | 15654333.38 | 1399191.10 | 632.0 | GG29 | base | <0.50 | 180 | <0.50 | 15 | 195 [3] |
| VB-0134C | 4/24/2015 | | 15654343.63 | 1399181.36 | 632.0 | FF28 | base | <0.48 | 77 | <0.48 | 5.8 | 82.8 |
| VB-0135C | 4/24/2015 | | 15654333.63 | 1399181.10 | 632.0 | FF29 | base | <0.49 | 380 | <0.49 | 28 | 408 [3] |
| VB-0136C | 4/24/2015 | | 15654323.64 | 1399180.85 | 632.0 | FF30 | base | <0.49 | 520 | <0.49 | 32 | 552 [3] |
| VB-0137C | 4/24/2015 | | 15654323.38 | 1399190.85 | 632.0 | GG30 | base | <0.48 | 210 | <0.48 | 16 | 226 [3] |
| VB-0138C | 4/24/2015 | | 15654313.64 | 1399180.59 | 632.0 | FF31 | base | <0.50 | 3,000 | <0.50 | 190 | 3,190 [3] |
| VB-0139C | 4/24/2015 | | 15654313.39 | 1399190.59 | 632.0 | GG31 | base | <0.50 | 4.4 | <0.50 | 0.49 | 4.89 |
| VB-0140C | 4/24/2015 | | 15654303.64 | 1399180.34 | 632.0 | FF32 | base | <0.52 | 1,900 | <0.52 | 130 | 2,030 [3] |
| VB-0141C | 4/24/2015 | | 15654303.39 | 1399190.34 | 632.0 | GG32 | base | <0.49 | 390 | <0.49 | 31 | 421 [3] |
| VB-0142C | 4/24/2015 | | 15654293.65 | 1399182.09 | 632.0 | FF33 | base | <0.51 | 680 | <0.51 | 54 | 734 [3] |
| VB-0143C | 4/24/2015 | | 15654293.39 | 1399190.08 | 632.0 | GG33 | base | <0.49 | 180 | <0.49 | 16 | 196 [3] |
| VW-0144C | 4/24/2015 | | 15654333.38 | 1399196.10 | 634.0 | GG29-E | sidewall | <0.51 | 120 | <0.51 | 13 | 133 [3] |
| VW-0145C | 4/24/2015 | | 15654323.38 | 1399195.85 | 634.0 | GG30-E | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-0146C | 4/24/2015 | | 15654313.39 | 1399195.59 | 634.0 | GG31-E | sidewall | <0.53 | 7.6 | <0.53 | <0.29 | 7.6 |
| VW-0147C | 4/24/2015 | | 15654303.39 | 1399195.34 | 634.0 | GG32-E | sidewall | <0.50 | 6.8 | <0.50 | 0.70 | 7.5 |
| VW-0148C | 4/24/2015 | | 15654293.39 | 1399195.08 | 634.0 | GG33-E | sidewall | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VW-0149C | 4/24/2015 | | 15654288.39 | 1399190.08 | 634.0 | GG33-S | sidewall | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VW-0150C | 4/24/2015 | | 15654288.65 | 1399180.09 | 634.0 | FF33-S | sidewall | <0.50 | 5,900 | <0.50 | 370 | 6,270 [3] |
| VW-0151C | 4/24/2015 | on-Site (northeast) | 15654520.49 | 1399187.68 | 638.0 | FF11-N | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VW-0152C | 4/24/2015 | | 15654518.83 | 1399178.18 | 638.0 | EE11-N | sidewall | <0.52 | 71 | <0.52 | 6.3 | 77.3 [2] |
| VW-0153C | 4/24/2015 | | 15654507.66 | 1399183.51 | 638.0 | FF11-S | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VW-0154C | 4/24/2015 | | 15654507.83 | 1399178.18 | 638.0 | EE11-S | sidewall | <0.53 | 44 | <0.53 | <0.29 | 44 [2] |
| VB-0155C | 4/24/2015 | | 15654513.58 | 1399185.68 | 636.0 | FF11 | base | <0.56 | <0.67 | <0.56 | <0.30 | <0.30 |
| VB-0156C | 4/24/2015 | | 15654513.83 | 1399175.68 | 636.0 | EE11 | base | <0.52 | 17 | <0.52 | <0.29 | 17 |
| VB-0157C | 4/24/2015 | | 15654521.58 | 1399165.94 | 636.0 | DD10 | base | <0.57 | 140 | <0.57 | <0.31 | 140 [3] |
| VB-5157C* | 4/24/2015 | | 15654521.58 | 1399165.94 | 636.0 | DD10 | base | <0.58 | 22 | <0.58 | <0.32 | |
| VB-0158C | 4/24/2015 | | 15654514.08 | 1399165.69 | 636.0 | DD11 | base | <11 | 2,100 | <11 | 420 | 2,520 [3] |
| VW-0159C | 4/24/2015 | | 15654509.08 | 1399165.69 | 638.0 | DD11-S | sidewall | <0.55 | 50 | <0.55 | 4.1 | 54.1 [2] |
| VW-0160C | 4/24/2015 | | 15654514.08 | 1399160.69 | 638.0 | DD11-W | sidewall | <0.52 | 230 | <0.52 | <0.29 | 230 [3] |
| VW-0161C | 4/24/2015 | | 15654521.58 | 1399160.94 | 638.0 | DD10-W | sidewall | <0.54 | 31 | <0.54 | <0.30 | 31 [2] |
| VW-0162C | 4/24/2015 | | 15654529.28 | 1399166.07 | 640.0 | DD10 | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-0163C | 4/24/2015 | | 15654504.37 | 1399165.31 | 640.0 | DD12 | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil) additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table

** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VB-0166C | 4/27/2015 | on-Site (former courtyard) | 15654285.39 | 1399209.82 | 635.0 | II34 | base | <0.50 | 51 | <0.50 | 4.7 | 55.7 |
| VB-0167C | 4/27/2015 | | 15654280.39 | 1399209.82 | 634.0 | II34 | base | <0.49 | 1.4 | <0.49 | <0.27 | 1.4 |
| VB-0168C | 4/27/2015 | | 15654283.39 | 1399189.83 | 632.0 | GG34 | base | <2.5 | 730 | <2.5 | 64 | 794 [3] |
| VB-0169C | 4/27/2015 | | 15654283.65 | 1399179.83 | 631.0 | FF34 | base | <10 | 3,200 | <10 | 260 | 3,460 [3] |
| VB-0170C | 4/27/2015 | | 15654293.39 | 1399190.08 | 632.0 | GG33 | base | <0.49 | 51 | <0.49 | 4.4 | 55.4 |
| VB-0171C | 4/28/2015 | | 15654313.64 | 1399180.59 | 630.0 | FF31 | base | <0.54 | 210 | <0.54 | 17 | 227 [3] |
| VB-0172C | 4/28/2015 | | 15654303.39 | 1399190.34 | 630.0 | GG32 | base | <0.54 | 100 | <0.54 | 8.2 | 108.2 [3] |
| VB-0173C | 4/28/2015 | | 15654303.64 | 1399180.34 | 630.0 | FF32 | base | <0.55 | 190 | <0.55 | 15 | 205 [3] |
| VB-0174C | 4/28/2015 | | 15654293.65 | 1399180.09 | 631.0 | FF33 | base | <0.55 | 4.4 | <0.55 | <0.30 | 4.4 |
| VB-0175C | 4/29/2015 | on-Site (east-central) | 15654276.41 | 1399169.58 | 626.0 | EE35 | base | <0.48 | 1.1 | <0.48 | <0.26 | 1.1 |
| VB-0176C | 4/29/2015 | | 15654283.90 | 1399169.84 | 626.0 | EE34 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-0177C | 4/29/2015 | | 15654276.66 | 1399159.58 | 626.0 | DD35 | base | <0.48 | <0.57 | <0.48 | <0.26 | <0.26 |
| VB-0178C | 4/29/2015 | | 15654284.16 | 1399159.84 | 626.0 | DD34 | base | <0.48 | <0.57 | <0.48 | <0.26 | <0.26 |
| VB-0179C | 4/29/2015 | | 15654276.92 | 1399149.59 | 626.0 | CC35 | base | <0.47 | 0.87 | <0.47 | <0.26 | 0.87 |
| VB-0180C | 4/29/2015 | | 15654284.41 | 1399149.84 | 626.0 | CC34 | base | <0.47 | <0.57 | <0.47 | <0.26 | <0.26 |
| VW-0181C | 4/29/2015 | | 15654274.42 | 1399149.59 | 629.0 | CC35 | sidewall | <0.52 | 17 | <0.52 | 1.5 | 18.5 |
| VW-0182C | 4/29/2015 | | 15654274.16 | 1399159.58 | 629.0 | DD35 | sidewall | <0.54 | 220 | <0.54 | 17 | 237 [3] |
| VW-0183C | 4/29/2015 | | 15654273.91 | 1399169.58 | 629.0 | EE35 | sidewall | <0.54 | 16 | <0.54 | 1.4 | 17.4 |
| VW-0191C | 4/30/2015 | on-Site (northeast) | 15654428.84 | 1399208.88 | 638.0 | II20-N | sidewall | <0.53 | 63 | <0.53 | 16 | 79 |
| VW-0192C | 4/30/2015 | | 15654402.85 | 1399207.87 | 638.0 | II22-W | sidewall | <0.51 | 240 | <0.51 | 31 | 271 [3] |
| VB-0193C | 4/30/2015 | | 15654423.10 | 1399205.88 | 636.5 | HH20 | base | <0.51 | 7.4 | <0.51 | 3.9 | 11.3 |
| VB-0194C | 4/30/2015 | | 15654422.84 | 1399213.38 | 636.5 | II20 | base | <0.52 | <0.63 | <0.52 | <0.29 | <0.29 |
| VB-0195C | 4/30/2015 | | 15654413.10 | 1399205.63 | 636.5 | HH21 | base | <0.56 | 84 | <0.56 | 14 | 98 |
| VB-0196C | 4/30/2015 | | 15654412.84 | 1399213.13 | 636.5 | II21 | base | <0.54 | <0.65 | <0.54 | <0.30 | <0.30 |
| VB-0197C | 4/30/2015 | | 15654403.10 | 1399205.38 | 636.5 | HH22 | base | <0.53 | 190 | <0.53 | 23 | 213 [3] |
| VB-0198C | 4/30/2015 | | 15654402.85 | 1399212.87 | 636.5 | II22 | base | <0.54 | 1.5 | <0.54 | <0.29 | 1.5 |
| VW-0199C | 5/1/2015 | | 15654523.83 | 1399182.94 | 639.0 | EE10-E | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-0200C | 5/1/2015 | | 15654528.83 | 1399175.94 | 639.0 | EE10-N | sidewall | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |
| VW-0201C | 5/1/2015 | | 15654529.33 | 1399158.44 | 640.0 | CC10-N | sidewall | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VW-0202C | 5/1/2015 | | 15654524.33 | 1399153.44 | 639.5 | CC10 | sidewall | <0.55 | 110 | <0.55 | 3.5 | 113.5 [3] |
| VW-0203C | 5/1/2015 | | 15654514.22 | 1399155.94 | 638.5 | CC11 | sidewall | <0.53 | 18 | <0.53 | 0.84 | 18.84 |
| VW-0204C | 5/1/2015 | | 15654505.39 | 1399175.72 | 638.0 | EE12-N | sidewall | <0.52 | 230 | <0.52 | <0.28 | 230 [3] |
| VB-0205C | 5/1/2015 | | 15654523.83 | 1399175.94 | 636.5 | EE10 | base | <0.51 | 58 | <0.51 | <0.28 | 58 [2] |
| VB-0206C | 5/1/2015 | | 15654522.91 | 1399165.95 | 636.5 | DD10-N | base | <0.52 | 160 | <0.52 | <0.28 | 160 [3] |
| VB-5206C* | 5/1/2015 | | 15654522.91 | 1399165.95 | 636.5 | DD10-N | base | <0.52 | 15 | <0.52 | <0.29 | |
| VB-0207C | 5/1/2015 | | 15654524.33 | 1399155.94 | 636.5 | CC10 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-0208C | 5/1/2015 | | 15654514.30 | 1399158.34 | 636.5 | CC11 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-5208C* | 5/1/2015 | | 15654514.30 | 1399158.34 | 636.5 | CC11 | base | <0.52 | <0.62 | <0.52 | <0.28 | |
| VB-0209C | 5/1/2015 | | 15654514.08 | 1399165.69 | 636.5 | DD11 | base | <0.52 | 1.6 | <0.52 | <0.29 | 1.6 |
| VB-0212C | 5/1/2015 | on-Site (former courtyard) | 15654343.12 | 1399201.35 | 633.0 | HH28 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-5212C* | 5/1/2015 | | 15654343.12 | 1399201.35 | 633.0 | HH28 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-0213C | 5/1/2015 | | 15654333.38 | 1399191.10 | 629.1 | GG29 | base | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VB-0214C | 5/1/2015 | | 15654333.63 | 1399181.10 | 628.0 | FF29 | base | <0.49 | 810 | <0.49 | 49 | 859 [3] |
| VB-0215C | 5/1/2015 | | 15654323.64 | 1399180.85 | 628.0 | FF30 | base | <0.51 | 170 | <0.51 | 11 | 752 [3] |
| VB-5215C* | 5/1/2015 | | 15654323.64 | 1399180.85 | 628.0 | FF30 | base | <0.50 | 720 | <0.50 | 32 | |
| VB-0216C | 5/1/2015 | | 15654323.38 | 1399190.85 | 628.0 | GG30 | base | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VB-0217C | 5/1/2015 | | 15654313.64 | 1399180.59 | 628.0 | FF31 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-0218C | 5/1/2015 | | 15654303.64 | 1399180.34 | 629.0 | FF32 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-0219C | 5/1/2015 | | 15654303.39 | 1399190.34 | 628.2 | GG32 | base | <0.48 | 1.5 | <0.48 | <0.26 | 1.5 |

*Notes:*

shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location

[1] total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area)

[2] total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area)

[3] total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion)

refer to laboratory reports in Appendix 5 for data qualifiers

* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table

** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram

PCBs - polychlorinated biphenyls

VB - verification base sample

VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VW-0220C | 5/1/2015 | on-Site (former courtyard) | 15654293.65 | 1399180.09 | 627.0 | FF33 | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-0221C | 5/4/2015 | | 15654347.87 | 1399211.35 | 638.0 | II28-N | sidewall | <0.50 | 780 | <0.50 | 59 | 839 [3] |
| VB-0222C | 5/4/2015 | | 15654342.87 | 1399211.35 | 636.0 | II28 | base | <0.53 | 1.7 | <0.53 | <0.29 | 1.7 |
| VB-0223C | 5/4/2015 | | 15654283.39 | 1399189.83 | 630.5 | GG34 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-0224C | 5/4/2015 | | 15654283.65 | 1399179.83 | 630.5 | FF34 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-0225C | 5/4/2015 | on-Site (east-central) | 15654304.66 | 1399142.85 | 627.0 | BB32 | base | <0.47 | 0.63 | <0.47 | <0.26 | 0.63 |
| VB-0226C | 5/4/2015 | | 15654294.66 | 1399142.60 | 626.0 | BB33 | base | <0.48 | <0.57 | <0.48 | <0.26 | <0.26 |
| VB-0227C | 5/4/2015 | | 15654294.41 | 1399150.10 | 626.0 | CC33 | base | <0.47 | 1.3 | <0.47 | <0.26 | 1.3 |
| VW-0228C | 5/4/2015 | on-Site (former courtyard) | 15654283.65 | 1399179.83 | 628.5 | FF34 | sidewall | <0.48 | <0.57 | <0.48 | <0.26 | <0.26 |
| VB-0229C | 5/4/2015 | on-Site (east-central) | 15654304.41 | 1399150.35 | 626.0 | CC32 | base | <0.48 | <0.57 | <0.48 | <0.26 | <0.26 |
| VB-0230C | 5/4/2015 | | 15654294.15 | 1399160.09 | 626.0 | DD33 | base | <0.48 | <0.57 | <0.48 | <0.26 | <0.26 |
| VB-0231C | 5/4/2015 | | 15654304.15 | 1399160.35 | 626.0 | DD32 | base | <0.48 | <0.57 | <0.48 | <0.26 | <0.26 |
| VB-0232C | 5/4/2015 | | 15654293.90 | 1399170.09 | 626.0 | EE33 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-0233C | 5/4/2015 | | 15654303.90 | 1399170.34 | 626.0 | EE32 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VW-0234C | 5/4/2015 | | 15654303.64 | 1399180.34 | 628.0 | FF32 | sidewall | <0.55 | <0.66 | <0.55 | <0.30 | <0.30 |
| VW-0236C | 5/5/2015 | on-Site (northeast portion of former building footprint) | 15654433.09 | 1399203.64 | 636.5 | HH19 | sidewall | <0.53 | 19 | <0.53 | 3.9 | 22.9 |
| VW-0237C | 5/5/2015 | | 15654443.09 | 1399203.89 | 636.5 | HH18 | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-0238C | 5/5/2015 | | 15654453.09 | 1399205.15 | 636.5 | HH17 | sidewall | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |
| VW-0239C | 5/5/2015 | | 15654459.09 | 1399209.15 | 636.5 | HH17-N | sidewall | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-0241C | 5/5/2015 | | 15654433.09 | 1399208.64 | 634.5 | HH19-E | base | <0.55 | <0.66 | <0.55 | <0.30 | <0.30 |
| VB-0242C | 5/5/2015 | | 15654443.09 | 1399208.89 | 634.5 | HH18-E | base | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |
| VB-0243C | 5/5/2015 | | 15654453.09 | 1399209.15 | 634.5 | HH17-E | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-0244C | 5/5/2015 | on-Site (northeast) | 15654523.83 | 1399175.94 | 635.5 | EE10 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-0245C | 5/5/2015 | | 15654524.08 | 1399165.94 | 635.5 | DD10 | base | <0.52 | 6.5 | <0.52 | <0.28 | 6.5 |
| VW-0246C | 5/5/2015 | | 15654501.33 | 1399175.43 | 638.0 | EE12-S | sidewall | <0.54 | 26 | <0.54 | 3.4 | 29.4 [2] |
| VW-0247C | 5/5/2015 | | 15654501.33 | 1399175.43 | 638.0 | EE12-S | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VB-0248C | 5/6/2015 | on-Site (former courtyard) | 15654333.63 | 1399181.10 | 626.5 | FF29 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-0249C | 5/6/2015 | | 15654323.64 | 1399180.85 | 626.5 | FF30 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-0272C | 5/7/2015 | on-Site (east-central) | 15654314.66 | 1399143.11 | 626.3 | BB31 | base | <0.47 | 15 | <0.47 | 0.96 | 15.96 |
| VW-0273C | 5/7/2015 | | 15654314.66 | 1399140.61 | 629.3 | BB31 | sidewall | <9.7 | 2,600 | <9.7 | 99 | 2,699 [3] |
| VW-0274C | 5/7/2015 | | 15654324.65 | 1399140.86 | 629.3 | BB30 | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VB-0275C | 5/7/2015 | | 15654314.40 | 1399150.60 | 626.3 | CC31 | base | <0.50 | 97 | <0.50 | 6.0 | 103 [3] |
| VB-0276C | 5/7/2015 | | 15654324.40 | 1399150.86 | 626.3 | CC30 | base | <0.47 | 17 | <0.47 | <0.26 | 17 |
| VB-0277C | 5/7/2015 | | 15654314.15 | 1399160.60 | 626.3 | DD31 | base | <0.49 | 2.8 | <0.49 | <0.27 | 2.8 |
| VB-0278C | 5/7/2015 | | 15654324.14 | 1399160.86 | 626.3 | DD30 | base | <0.47 | 6.9 | <0.47 | <0.26 | 6.9 |
| VB-0279C | 5/7/2015 | | 15654313.89 | 1399170.60 | 626.3 | EE31 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-0280C | 5/7/2015 | | 15654323.89 | 1399170.85 | 626.3 | EE30 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-0281C | 5/7/2015 | | 15654324.65 | 1399143.36 | 626.3 | BB30 | base | <0.48 | 5.6 | <0.48 | <0.26 | 5.6 |
| VB-0282C | 5/7/2015 | | 15654363.37 | 1399191.86 | 631.9 | GG26 | base | <0.49 | <0.60 | <0.49 | <0.27 | <0.27 |
| VB-0283C | 5/7/2015 | | 15654363.62 | 1399181.87 | 631.9 | FF26 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-0284C | 5/7/2015 | | 15654353.37 | 1399191.61 | 631.0 | GG27 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-0285C | 5/7/2015 | | 15654353.63 | 1399181.61 | 631.8 | FF27 | base | <0.50 | 87 | <0.50 | 5.4 | 92.4 |
| VW-0292C | 5/8/2015 | on-Site (northeast) | 15654498.83 | 1399175.35 | 636.1 | EE13 | sidewall | <0.010 | 1.5 | <0.010 | 0.52 | 2.02 |
| VW-0310C | 5/8/2015 | on-Site (east-central) | 15654334.65 | 1399141.12 | 629.0 | BB29 | sidewall | <2.6 | 810 | <2.6 | 38 | 848 [3] |
| VW-0311C | 5/8/2015 | | 15654344.65 | 1399141.37 | 629.0 | BB28 | sidewall | <0.51 | 410 | <0.51 | 23 | 433 [3] |
| VB-0312C | 5/8/2015 | | 15654334.65 | 1399143.12 | 626.0 | BB29 | base | <0.48 | 9.0 | <0.48 | <0.26 | 9.0 |
| VB-0313C | 5/8/2015 | | 15654344.65 | 1399143.37 | 626.0 | BB28 | base | <0.50 | 150 | <0.50 | 9.0 | 159 [3] |
| VB-0314C | 5/8/2015 | | 15654342.39 | 1399151.37 | 626.0 | CC28 | base | <0.48 | 18 | <0.48 | 1.2 | 55.6 |
| VB-5314C* | 5/8/2015 | | 15654342.39 | 1399151.37 | 626.0 | CC28 | base | <0.48 | 52 | <0.48 | 3.6 | |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VB-0315C | 5/8/2015 | on-Site (east-central) | 15654293.65 | 1399180.09 | 627.0 | FF33 | base | <0.50 | 200 | <0.50 | 12 | 212 [3] |
| VB-0316C | 5/8/2015 | | 15654347.87 | 1399211.35 | 638.0 | II28-N | base | <0.48 | 23 | <0.48 | 1.5 | 24.5 |
| VB-0317C | 5/8/2015 | | 15654342.87 | 1399211.35 | 636.0 | II28 | base | <0.47 | <0.57 | <0.47 | <0.26 | <0.26 |
| VB-0318C | 5/8/2015 | | 15654283.39 | 1399189.83 | 630.5 | GG34 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-5318C* | 5/8/2015 | | 15654283.65 | 1399179.83 | 630.5 | FF34 | base | <0.48 | <0.58 | <0.48 | <0.26 | |
| VB-0319C | 5/8/2015 | | 15654304.66 | 1399142.85 | 627.0 | BB32 | base | <0.55 | <0.67 | <0.55 | <0.30 | <0.30 |
| VB-0320C | 5/8/2015 | | 15654294.66 | 1399142.60 | 626.0 | BB33 | base | <0.55 | <0.66 | <0.55 | <0.30 | <0.30 |
| VB-0321C | 5/8/2015 | | 15654294.41 | 1399150.10 | 626.0 | CC33 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-0322C | 5/11/2015 | | 15654283.65 | 1399179.83 | 628.5 | FF34 | base | <0.47 | 5.8 | <0.47 | <0.26 | 5.8 |
| VB-0330C | 5/12/2015 | | 15654304.41 | 1399150.35 | 626.0 | CC32 | base | <0.46 | <0.56 | <0.46 | <0.25 | <0.25 |
| VB-0331C | 5/12/2015 | | 15654294.15 | 1399160.09 | 626.0 | DD33 | base | <0.47 | <0.57 | <0.47 | <0.26 | <0.26 |
| VW-0332C | 5/12/2015 | | 15654304.15 | 1399160.35 | 626.0 | DD32 | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-0333C | 5/12/2015 | | 15654293.90 | 1399170.09 | 626.0 | EE33 | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-0334C | 5/12/2015 | | 15654303.90 | 1399170.34 | 626.0 | EE32 | sidewall | <5.2 | 1,300 | <5.2 | 84 | 1,384 [3] |
| VW-0335C | 5/12/2015 | | 15654303.64 | 1399180.34 | 628.0 | FF32 | sidewall | <0.53 | 50 | <0.53 | 4.4 | 54.4 |
| VW-0336C | 5/12/2015 | | 15654433.09 | 1399203.64 | 636.5 | HH19 | sidewall | <0.49 | 70 | <0.49 | 6.3 | 76.3 |
| VW-0337C | 5/12/2015 | | 15654443.09 | 1399203.89 | 636.5 | HH18 | sidewall | <0.49 | 95 | <0.49 | 7.2 | 102.2 [3] |
| VW-0338C | 5/12/2015 | | 15654453.09 | 1399205.15 | 636.5 | HH17 | sidewall | <0.52 | 5.1 | <0.52 | <0.29 | 5.1 |
| VW-0339C | 5/12/2015 | | 15654459.09 | 1399209.15 | 636.5 | HH17-N | sidewall | <0.49 | 230 | <0.49 | 51 | 281 [3] |
| VW-0340C | 5/12/2015 | | 15654433.09 | 1399208.64 | 634.5 | HH19-E | sidewall | <0.52 | 5.4 | <0.52 | <0.29 | 5.4 |
| VW-0341C | 5/12/2015 | | 15654443.09 | 1399208.89 | 634.5 | HH18-E | sidewall | <0.49 | 67 | <0.49 | 6.6 | 73.6 |
| VW-0342C | 5/12/2015 | | 15654453.09 | 1399209.15 | 634.5 | HH17-E | sidewall | <0.49 | 330 | <0.49 | 18 | 348 [3] |
| VW-0343C | 5/12/2015 | | 15654523.83 | 1399175.94 | 635.5 | EE10 | sidewall | <0.49 | 130 | <0.49 | 14 | 144 [3] |
| VW-0344C | 5/12/2015 | | 15654524.08 | 1399165.94 | 635.5 | DD10 | sidewall | <4.9 | 2,000 | <4.9 | 150 | 2,150 [3] |
| VW-0345C | 5/12/2015 | | 15654501.33 | 1399175.43 | 638.0 | EE12-S | sidewall | <0.48 | 370 | <0.48 | 27 | 397 [3] |
| VB-0378C | 5/14/2015 | on-Site (southeast portion of former building footprint) | 15654501.33 | 1399175.43 | 638.0 | EE12-S | base | <0.51 | 53 | <0.51 | <0.28 | 53 [2] |
| VB-0379C | 5/14/2015 | | 15654333.63 | 1399181.10 | 626.5 | FF29 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-5379C* | 5/14/2015 | | 15654323.64 | 1399180.85 | 626.5 | FF30 | base | <0.53 | <0.64 | <0.53 | <0.29 | |
| VB-0380C | 5/14/2015 | | 15654314.66 | 1399143.11 | 626.3 | BB31 | base | <0.50 | 37 | <0.50 | <0.27 | 37 [2] |
| VB-0381C | 5/14/2015 | | 15654314.66 | 1399140.61 | 629.3 | BB31 | base | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |
| VB-0382C | 5/14/2015 | | 15654324.65 | 1399140.86 | 629.3 | BB30 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-0383C | 5/14/2015 | | 15654314.40 | 1399150.60 | 626.3 | CC31 | base | <0.52 | 73 | <0.52 | <0.29 | 73 [2] |
| VB-0384C | 5/14/2015 | | 15654324.40 | 1399150.86 | 626.3 | CC30 | base | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VB-0385C | 5/14/2015 | | 15654314.15 | 1399160.60 | 626.3 | DD31 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-0386C | 5/14/2015 | | 15654324.14 | 1399160.86 | 626.3 | DD30 | sidewall | <0.47 | <0.57 | <0.47 | <0.26 | <0.26 |
| VW-0387C | 5/14/2015 | | 15654313.89 | 1399170.60 | 626.3 | EE31 | sidewall | <11 | 2,100 | <11 | <5.8 | 2,100 [3] |
| VW-0388C | 5/14/2015 | | 15654323.89 | 1399170.85 | 626.3 | EE30 | sidewall | <0.47 | <0.57 | <0.47 | <0.26 | <0.26 |
| VW-0389C | 5/14/2015 | | 15654324.65 | 1399143.36 | 626.3 | BB30 | sidewall | <0.48 | 200 | <0.48 | 22 | 222 [3] |
| VW-0390C | 5/14/2015 | | 15654363.37 | 1399191.86 | 631.9 | GG26 | sidewall | <0.47 | 4.5 | <0.47 | <0.26 | 4.5 |
| VW-0391C | 5/14/2015 | | 15654363.62 | 1399181.87 | 631.9 | FF26 | sidewall | <0.48 | 51 | <0.48 | <0.26 | 51 [2] |
| VW-0392C | 5/14/2015 | | 15654353.37 | 1399191.61 | 631.0 | GG27 | sidewall | <0.47 | 0.62 | <0.47 | <0.26 | 0.62 |
| VW-0393C | 5/14/2015 | | 15654353.63 | 1399181.61 | 631.8 | FF27 | sidewall | <0.49 | 0.92 | <0.49 | <0.27 | 0.92 |
| VW-0394C | 5/14/2015 | | 15654493.84 | 1399175.17 | 636.1 | EE13 | sidewall | <0.48 | 1.8 | <0.48 | <0.26 | 1.8 |
| VW-0395C | 5/14/2015 | | 15654334.65 | 1399141.12 | 629.0 | BB29 | sidewall | <0.50 | 72 | <0.50 | <0.27 | 72 [2] |
| VW-0396C | 5/14/2015 | | 15654344.65 | 1399141.37 | 629.0 | BB28 | sidewall | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VW-0397C | 5/14/2015 | | 15654334.65 | 1399143.12 | 626.0 | BB29 | sidewall | <0.49 | 0.77 | <0.49 | <0.27 | 0.77 |
| VW-0398C | 5/14/2015 | | 15654344.65 | 1399143.37 | 626.0 | BB28 | sidewall | <0.52 | 1.9 | <0.52 | <0.29 | 1.9 |
| VW-0399C | 5/14/2015 | | 15654342.39 | 1399151.37 | 626.0 | CC28 | sidewall | <0.49 | 4.2 | <0.49 | <0.27 | 4.2 |
| VB-0400C | 5/14/2015 | | 15654342.39 | 1399151.37 | 626.0 | CC28 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |

*Notes:*

shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location

[1] total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area)

[2] total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area)

[3] total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion)

refer to laboratory reports in Appendix 5 for data qualifiers

* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table

** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram

PCBs - polychlorinated biphenyls

VB - verification base sample

VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VB-0401C | 5/14/2015 | on-Site (southeast portion of former building footprint) | 15654263.66 | 1399184.32 | 639.5 | FF36-E | base | <24 | 6,900 | <24 | <13 | 6,900 [3] |
| VW-0402C | 5/14/2015 | | 15654268.40 | 1399188.57 | 641.4 | GG35-S | sidewall | <0.48 | 0.84 | <0.48 | <0.26 | 0.84 |
| VW-5402C* | 5/14/2015 | | 15654268.40 | 1399188.57 | 641.4 | GG35-S | sidewall | <0.48 | 0.81 | <0.48 | <0.26 | |
| VB-0403C | 5/14/2015 | on-Site (northeast side of former building footprint) | 15654462.83 | 1399217.90 | 634.8 | II16 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-0404C | 5/14/2015 | | 15654462.83 | 1399215.40 | 636.8 | II16 | sidewall | <0.51 | 5.8 | <0.51 | 1.8 | 7.6 |
| VB-0408C | 5/15/2015 | on-Site (west re-location area) | 15654370.49 | 1398911.95 | 646.8 | E26 | base | <0.010 | 0.031 | <0.010 | 0.048 | 0.079 |
| VB-0409C | 5/15/2015 | | 15654370.74 | 1398901.96 | 646.8 | D26 | base | <0.010 | 0.016 | <0.010 | 0.017 | 0.033 |
| VB-0410C | 5/15/2015 | | 15654371.00 | 1398894.46 | 646.8 | C26 | base | <0.010 | 0.086 | <0.010 | 0.094 | 0.180 |
| VB-0411C | 5/15/2015 | | 15654361.00 | 1398894.20 | 646.8 | C27 | base | <0.0099 | 0.022 | <0.0099 | 0.055 | 0.120 |
| VB-5411C* | 5/15/2015 | | 15654361.00 | 1398894.20 | 646.8 | C27 | base | <0.010 | 0.033 | <0.010 | 0.087 | |
| VB-0412C | 5/15/2015 | | 15654360.75 | 1398901.70 | 646.8 | D27 | base | <0.010 | <0.012 | <0.010 | <0.0055 | <0.0055 |
| VW-0413C | 5/15/2015 | | 15654377.48 | 1398912.21 | 647.0 | E25 | sidewall | <0.011 | 1.2 | <0.011 | 1.4 | 2.6 [1] |
| VW-0414C | 5/15/2015 | | 15654377.74 | 1398902.21 | 648.1 | D25 | sidewall | <0.011 | 1.0 | <0.011 | 1.2 | 2.2 [1] |
| VW-0415C | 5/15/2015 | | 15654377.99 | 1398894.71 | 648.1 | C25-E | sidewall | <0.011 | 0.24 | <0.011 | 0.30 | 0.54 |
| VW-0416C | 5/15/2015 | | 15654371.00 | 1398891.96 | 648.1 | C26 | sidewall | <0.010 | 0.016 | <0.010 | 0.042 | 0.058 |
| VW-0417C | 5/15/2015 | | 15654361.00 | 1398891.70 | 648.5 | C27 | sidewall | <0.010 | <0.013 | <0.010 | 0.032 | 0.032 |
| VW-0418C | 5/15/2015 | | 15654356.00 | 1398894.20 | 648.5 | C27-S | sidewall | <0.010 | <0.012 | <0.010 | <0.0055 | <0.0055 |
| VW-0419C | 5/15/2015 | | 15654355.75 | 1398901.70 | 648.2 | D27-S | sidewall | <0.010 | <0.012 | <0.010 | <0.0056 | <0.0056 |
| VW-0420C | 5/15/2015 | | 15654355.49 | 1398911.70 | 647.7 | E27-S | sidewall | <0.010 | <0.012 | <0.010 | <0.0055 | <0.0055 |
| VW-0421C | 5/15/2015 | | 15654360.49 | 1398916.70 | 647.7 | E27-E | sidewall | <0.010 | 0.017 | <0.010 | 0.024 | 0.041 |
| VW-0422C | 5/15/2015 | | 15654370.49 | 1398916.95 | 647.0 | E26-E | sidewall | <0.0099 | <0.012 | <0.0099 | 0.029 | 0.029 |
| VB-0423C | 5/15/2015 | | 15654360.49 | 1398911.70 | 646.8 | E27 | base | <0.010 | <0.012 | <0.010 | <0.0055 | <0.0055 |
| VB-0424C | 5/15/2015 | on-Site (southeast portion of former building footprint) | 15654253.91 | 1399169.07 | 632.2 | EE37 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-0425C | 5/15/2015 | | 15654263.91 | 1399169.33 | 632.2 | EE36 | base | <0.48 | 200 | <0.48 | 18 | 218 [3] |
| VW-0426C | 5/15/2015 | | 15654253.66 | 1399173.07 | 633.0 | FF37-W | sidewall | <2.6 | 1,200 | <2.6 | 96 | 1,296 [3] |
| VW-0427C | 5/15/2015 | | 15654263.66 | 1399173.32 | 633.0 | FF36-W | sidewall | <2.6 | 1,000 | <2.6 | 77 | 1,077 [3] |
| VB-0428C | 5/15/2015 | | 15654254.17 | 1399159.08 | 632.2 | DD37 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-0429C | 5/15/2015 | | 15654264.16 | 1399159.33 | 632.2 | DD36 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-0430C | 5/15/2015 | | 15654254.42 | 1399149.08 | 632.2 | CC37 | base | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |
| VB-0431C | 5/15/2015 | | 15654264.42 | 1399149.33 | 632.2 | CC36 | base | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |
| VB-0432C | 5/15/2015 | | 15654254.68 | 1399141.58 | 632.2 | BB37 | base | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |
| VB-0433C | 5/15/2015 | | 15654264.67 | 1399141.84 | 632.2 | BB36 | base | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VB-5433C* | 5/15/2015 | | 15654264.67 | 1399141.84 | 632.2 | BB36 | base | <0.51 | <0.62 | <0.51 | <0.28 | |
| VB-0434C | 5/15/2015 | | 15654274.67 | 1399139.59 | 632.0 | BB35 | base | <0.50 | 9.9 | <0.50 | 0.86 | 10.76 |
| VB-0435C | 5/15/2015 | | 15654284.92 | 1399129.85 | 632.0 | AA34 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-0436C | 5/15/2015 | | 15654274.92 | 1399129.59 | 632.0 | AA35 | base | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VW-0437C | 5/15/2015 | | 15654248.91 | 1399169.07 | 636.0 | EE37-S | sidewall | <0.52 | 110 | <0.52 | 9.5 | 119.5 [3] |
| VW-0438C | 5/15/2015 | | 15654249.17 | 1399159.08 | 633.0 | DD37-S | sidewall | <2.6 | 580 | <2.6 | 53 | 2,940 [3] |
| VW-5438C* | 5/15/2015 | | 15654249.17 | 1399159.08 | 633.0 | DD37-S | sidewall | <5.1 | 2,700 | <5.1 | 240 | |
| VW-0439C | 5/15/2015 | | 15654249.17 | 1399159.08 | 639.0 | DD37-S | sidewall | <0.50 | 300 | <0.50 | 23 | 323 [3] |
| VB-0440C | 5/15/2015 | on-Site (mid-central sewer area) | 15654243.66 | 1399178.82 | 636.0 | FF38 | base | <0.51 | 34 | <0.51 | 9.1 | 43.1 [2] |
| VW-0441C | 5/15/2015 | | 15654248.66 | 1399178.82 | 638.0 | FF38-N | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-0442C | 5/15/2015 | | 15654238.66 | 1399178.82 | 638.0 | FF38-S | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-0443C | 5/15/2015 | | 15654243.92 | 1399168.82 | 632.0 | EE38 | base | <0.50 | 8.8 | <0.50 | 0.95 | 9.75 |
| VB-0444C | 5/15/2015 | | 15654244.17 | 1399158.82 | 632.0 | DD38 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-5444C* | 5/15/2015 | | 15654244.17 | 1399158.82 | 632.0 | DD38 | base | <0.50 | <0.60 | <0.50 | <0.27 | |
| VW-0445C | 5/15/2015 | | 15654254.68 | 1399139.08 | 637.0 | BB37 | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-0446C | 5/15/2015 | | 15654234.17 | 1399153.57 | 637.0 | DD39-W | sidewall | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |

*Notes:*

shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location

[1] total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area)

[2] total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area)

[3] total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion)

refer to laboratory reports in Appendix 5 for data qualifiers

* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table

** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram

PCBs - polychlorinated biphenyls

VB - verification base sample

VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VB-0447C | 5/18/2015 | on-Site (west re-location area) | 15654282.52 | 1398909.66 | 639.7 | E35 | base | <0.0095 | 0.11 | <0.0095 | <0.0052 | 0.11 |
| VB-0448C | 5/18/2015 | | 15654281.77 | 1398900.67 | 639.7 | D35 | base | <0.0097 | <0.012 | <0.0097 | <0.0053 | <0.0053 |
| VB-0449C | 5/18/2015 | | 15654290.77 | 1398900.92 | 639.7 | D34 | base | <0.0095 | 0.028 | <0.0095 | <0.0052 | 0.028 |
| VB-0450C | 5/18/2015 | | 15654290.51 | 1398909.92 | 639.7 | E34 | base | <0.0096 | 0.052 | <0.0096 | <0.0052 | 0.052 |
| VB-0451C | 5/18/2015 | | 15654300.76 | 1398901.18 | 639.7 | D33 | base | <0.0099 | 0.016 | <0.0099 | <0.0054 | 0.016 |
| VB-0452C | 5/18/2015 | | 15654300.51 | 1398910.17 | 639.7 | E33 | base | <0.0098 | <0.012 | <0.0098 | <0.0053 | <0.0053 |
| VW-0453C | 5/18/2015 | | 15654279.52 | 1398909.66 | 640.5 | E35-S | sidewall | <0.010 | 1.5 | <0.010 | <0.0055 | 1.5 [1] |
| VW-0454C | 5/18/2015 | | 15654277.77 | 1398899.67 | 641.0 | D35-S | sidewall | <0.0099 | 0.21 | <0.0099 | <0.0054 | 0.21 |
| VW-0455C | 5/18/2015 | | 15654305.51 | 1398910.17 | 641.0 | E33-N | sidewall | <0.010 | 1.5 | <0.010 | <0.0054 | 1.5 [1] |
| VW-0456C | 5/18/2015 | | 15654305.76 | 1398902.18 | 641.0 | D33-N | sidewall | <0.010 | 4.5 | <0.010 | <0.0056 | 4.5 [1] |
| VW-0457C | 5/18/2015 | | 15654278.27 | 1398901.67 | 641.5 | D35 | sidewall | <0.0098 | 0.016 | <0.0098 | <0.0053 | 0.016 |
| VW-0458C | 5/18/2015 | | 15654285.77 | 1398901.92 | 641.5 | D34 | sidewall | <0.0097 | <0.012 | <0.0097 | <0.0053 | <0.0053 |
| VW-0459C | 5/18/2015 | | 15654300.76 | 1398897.18 | 641.0 | D33-W | sidewall | <0.010 | 2.4 | <0.010 | <0.0054 | 2.4 [1] |
| VW-0460C | 5/18/2015 | | 15654330.99 | 1398930.93 | 641.0 | G30 | sidewall | <0.010 | 0.03 | <0.010 | <0.0055 | 0.030 |
| VW-0461C | 5/18/2015 | | 15654331.25 | 1398920.93 | 641.0 | F30 | sidewall | <0.0097 | 0.014 | <0.0097 | <0.0053 | 0.014 |
| VW-0462C | 5/18/2015 | | 15654327.75 | 1398915.93 | 641.0 | F30-W | sidewall | <0.010 | <0.012 | <0.010 | <0.0055 | <0.0055 |
| VW-0463C | 5/18/2015 | | 15654320.25 | 1398915.68 | 641.0 | F31-W | sidewall | <0.0098 | 0.22 | <0.0098 | <0.0053 | 0.22 |
| VW-0464C | 5/18/2015 | | 15654310.25 | 1398915.42 | 641.0 | F32-W | sidewall | <0.0099 | 0.62 | <0.0099 | <0.0054 | 0.62 |
| VB-0465C | 5/18/2015 | | 15654310.25 | 1398920.42 | 639.7 | F32 | base | <0.0097 | <0.012 | <0.0097 | <0.0053 | <0.0053 |
| VB-0466C | 5/18/2015 | | 15654310.00 | 1398930.42 | 639.7 | G32 | base | <0.0098 | <0.012 | <0.0098 | <0.0054 | <0.0054 |
| VB-0467C | 5/18/2015 | | 15654320.25 | 1398920.68 | 639.7 | F31 | base | <0.0098 | 0.056 | <0.0098 | <0.0054 | 0.056 |
| VB-0468C | 5/18/2015 | | 15654320.00 | 1398930.67 | 639.7 | G31 | base | <0.0098 | <0.012 | <0.0098 | <0.0054 | <0.0054 |
| VB-5468C* | 5/18/2015 | | 15654320.00 | 1398930.67 | 639.7 | G31 | base | <0.0098 | <0.012 | <0.0098 | <0.0053 | |
| VB-0469C | 5/18/2015 | | 15654327.75 | 1398920.93 | 639.7 | F30 | base | <0.010 | 0.044 | <0.010 | <0.0055 | 0.044 |
| VB-5469C* | 5/18/2015 | | 15654327.75 | 1398920.93 | 639.7 | F30 | base | <0.0098 | 0.04 | <0.0098 | <0.0054 | |
| VB-0470C | 5/18/2015 | | 15654327.49 | 1398930.93 | 639.7 | G30 | base | <0.0097 | 0.018 | <0.0097 | <0.0053 | 0.018 |
| VW-0471C | 5/18/2015 | on-Site (southwest re-location area) | 15654253.74 | 1398979.13 | 643.0 | L37-S | sidewall | <0.010 | <0.012 | <0.010 | <0.0055 | <0.0055 |
| VW-0472C | 5/18/2015 | | 15654253.49 | 1398986.63 | 643.0 | M37-S | sidewall | <0.010 | <0.012 | <0.010 | <0.0055 | <0.0055 |
| VW-0473C | 5/18/2015 | | 15654258.49 | 1398990.13 | 643.0 | M37 | sidewall | <0.010 | 0.038 | <0.010 | <0.0056 | 0.038 |
| VW-0474C | 5/18/2015 | | 15654268.49 | 1398990.38 | 643.0 | M36 | sidewall | <0.0098 | 0.044 | <0.0098 | <0.0054 | 0.044 |
| VW-0475C | 5/18/2015 | | 15654277.48 | 1398989.64 | 643.0 | M35 | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-0476C | 5/18/2015 | | 15654277.74 | 1398979.64 | 643.0 | L35 | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-5476C* | 5/18/2015 | | 15654277.74 | 1398979.64 | 643.0 | L35 | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | |
| VW-0477C | 5/18/2015 | | 15654278.99 | 1398969.65 | 643.0 | K35 | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VW-0478C | 5/18/2015 | | 15654273.99 | 1398964.39 | 643.0 | K36-N | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-0479C | 5/18/2015 | | 15654268.99 | 1398969.39 | 642.1 | K36 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-0480C | 5/18/2015 | | 15654258.74 | 1398979.13 | 642.1 | L37 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-0481C | 5/18/2015 | | 15654258.49 | 1398987.13 | 642.1 | M37 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-0482C | 5/18/2015 | | 15654268.49 | 1398987.38 | 642.1 | M36 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-0483C | 5/18/2015 | | 15654268.74 | 1398979.39 | 642.1 | L36 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-0484C | 5/18/2015 | | 15654276.24 | 1398983.64 | 642.1 | L35 | base | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VW-0485C | 5/18/2015 | on-Site (south-central portion of former building footprint) | 15654265.18 | 1399119.34 | 641.0 | Z36 | sidewall | <0.52 | 1.4 | <0.52 | <0.28 | 1.4 |
| VW-0486C | 5/18/2015 | | 15654255.44 | 1399112.09 | 641.0 | Y37-E | sidewall | <0.52 | 11 | <0.52 | <0.28 | 11 |
| VW-0487C | 5/18/2015 | | 15654248.44 | 1399108.84 | 641.0 | Y38 | sidewall | <0.50 | 75 | <0.50 | <0.27 | 75 [2] |
| VW-0488C | 5/18/2015 | | 15654246.70 | 1399098.84 | 641.0 | X38 | sidewall | <0.51 | 43 | <0.51 | <0.28 | 43 [2] |
| VW-0489C | 5/18/2015 | | 15654245.95 | 1399088.84 | 641.5 | W38 | sidewall | <0.51 | 0.86 | <0.51 | <0.28 | 0.86 |
| VW-0490C | 5/18/2015 | | 15654255.95 | 1399087.10 | 641.5 | W37-W | sidewall | <0.49 | 42 | <0.49 | <0.27 | 42 |
| VW-0491C | 5/18/2015 | | 15654265.94 | 1399086.35 | 641.5 | W36-W | sidewall | <0.53 | 37 | <0.53 | <0.29 | 37 |
| VW-0492C | 5/18/2015 | | 15654273.44 | 1399085.61 | 641.5 | W35-W | sidewall | <0.50 | 67 | <0.50 | <0.27 | 67 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VB-0493C | 5/18/2015 | on-Site (south-central portion of former building footprint) | 15654273.94 | 1399089.61 | 640.0 | W35 | base | <0.51 | 260 | <0.51 | <0.28 | 260 [3] |
| VB-0494C | 5/18/2015 | | 15654265.94 | 1399089.35 | 640.0 | W36 | base | <0.51 | 5.0 | <0.51 | <0.28 | 5.0 |
| VB-0495C | 5/18/2015 | | 15654265.69 | 1399099.35 | 640.0 | X36 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-0496C | 5/18/2015 | | 15654263.44 | 1399109.35 | 640.0 | Y36 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-0497C | 5/18/2015 | | 15654255.95 | 1399091.10 | 640.0 | W37 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-0498C | 5/18/2015 | | 15654255.69 | 1399099.09 | 640.0 | X37 | base | <0.50 | 410 | <0.50 | <0.27 | 410 [3] |
| VB-0499C | 5/18/2015 | | 15654255.44 | 1399109.09 | 640.0 | Y37 | base | <0.52 | 320 | <0.52 | <0.28 | 320 [3] |
| VW-0500C | 5/19/2015 | on-Site (east-central portion of former building footprint) | 15654354.14 | 1399161.62 | 629.0 | DD27 | sidewall | <0.54 | <0.65 | <0.54 | <0.30 | <0.30 |
| VW-0501C | 5/19/2015 | | 15654344.90 | 1399131.37 | 629.0 | AA28 | sidewall | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |
| VW-0502C | 5/19/2015 | | 15654334.90 | 1399131.12 | 629.0 | AA29 | sidewall | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VW-0503C | 5/19/2015 | | 15654314.91 | 1399130.61 | 629.0 | AA31 | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-0504C | 5/19/2015 | on-Site (northeast portion of former building footprint) | 15654402.85 | 1399210.37 | 635.5 | II22 | base | <0.54 | 120 | <0.54 | 18 | 138 [3] |
| VB-0505C | 5/19/2015 | | 15654392.85 | 1399210.12 | 635.5 | II23 | base | <0.54 | 29 | <0.54 | <0.29 | 29 |
| VB-0506C | 5/19/2015 | | 15654382.85 | 1399209.86 | 635.5 | II24 | base | <0.54 | 42 | <0.54 | <0.30 | 42 |
| VB-0507C | 5/19/2015 | | 15654372.86 | 1399209.61 | 635.5 | II25 | base | <0.54 | 15 | <0.54 | 2.2 | 17.2 |
| VB-0508C | 5/19/2015 | | 15654362.86 | 1399209.36 | 635.5 | II26 | base | <5.0 | 1,500 | <5.0 | 280 | 1,780 [3] |
| VB-0509C | 5/19/2015 | | 15654352.86 | 1399209.10 | 635.5 | II27 | base | <0.52 | 300 | <0.52 | 23 | 323 [3] |
| VW-0512C | 5/20/2015 | on-Site (southeast re-location area) | 15654148.21 | 1399138.54 | 639.7 | BB47-S | sidewall | <0.010 | <0.013 | <0.010 | <0.0057 | <0.0057 |
| VW-0513C | 5/20/2015 | | 15654154.71 | 1399136.54 | 639.7 | BB47 | sidewall | <0.010 | 0.023 | <0.010 | <0.0055 | 0.023 |
| VW-0514C | 5/20/2015 | | 15654164.70 | 1399136.79 | 639.7 | BB46 | sidewall | <0.010 | 0.029 | <0.010 | <0.0057 | 0.029 |
| VW-0515C | 5/20/2015 | | 15654171.70 | 1399138.05 | 639.7 | BB45-S | sidewall | <0.010 | 0.20 | <0.010 | 0.057 | 0.257 |
| VW-0516C | 5/20/2015 | | 15654173.70 | 1399140.05 | 639.7 | BB45-E | sidewall | <0.011 | 0.21 | <0.011 | 0.29 | 0.50 |
| VW-0517C | 5/20/2015 | | 15654173.45 | 1399147.05 | 639.7 | CC45 | sidewall | <0.010 | 0.028 | <0.010 | 0.019 | 0.047 |
| VW-0518C | 5/20/2015 | | 15654173.19 | 1399157.04 | 639.7 | DD45 | sidewall | <0.011 | 0.03 | <0.011 | <0.0059 | 0.030 |
| VW-0519C | 5/20/2015 | | 15654170.69 | 1399162.04 | 639.7 | DD45-E | sidewall | <0.0099 | 0.17 | <0.0099 | 0.051 | 0.221 |
| VW-0520C | 5/20/2015 | | 15654164.20 | 1399161.79 | 639.7 | DD46-E | sidewall | <0.010 | 0.11 | <0.010 | <0.0056 | 0.24 |
| VW-5520C* | 5/20/2015 | | 15654164.20 | 1399161.79 | 639.7 | DD46-E | sidewall | <0.010 | 0.24 | <0.010 | <0.0056 | |
| VW-0521C | 5/20/2015 | | 15654154.20 | 1399161.53 | 639.7 | DD47-E | sidewall | <0.0093 | 0.91 | <0.0093 | 0.29 | 1.2 [1] |
| VW-0522C | 5/20/2015 | | 15654149.20 | 1399156.53 | 639.5 | DD47-S | sidewall | <0.0099 | 0.47 | <0.0099 | 0.06 | 0.530 |
| VW-0523C | 5/20/2015 | | 15654147.95 | 1399146.54 | 639.3 | CC47-S | sidewall | <0.011 | 0.026 | <0.011 | <0.0058 | 0.026 |
| VB-0524C | 5/20/2015 | | 15654154.20 | 1399156.53 | 638.5 | DD47 | base | <0.011 | 0.31 | <0.011 | 0.088 | 0.398 |
| VB-0525C | 5/20/2015 | | 15654154.45 | 1399146.54 | 638.5 | CC47 | base | <0.011 | 0.20 | <0.011 | 0.06 | 0.379 |
| VB-5525C* | 5/20/2015 | | 15654154.45 | 1399146.54 | 638.5 | CC47 | base | <0.010 | 0.30 | <0.010 | 0.079 | |
| VB-0526C | 5/20/2015 | | 15654154.71 | 1399139.04 | 638.5 | BB47 | base | <0.011 | 0.42 | <0.011 | 0.12 | 0.54 |
| VB-0527C | 5/20/2015 | | 15654164.20 | 1399156.79 | 638.5 | DD46 | base | <0.011 | 0.12 | <0.011 | 0.041 | 0.161 |
| VB-0528C | 5/20/2015 | | 15654164.45 | 1399146.79 | 638.5 | CC46 | base | <0.010 | <0.012 | <0.010 | <0.0056 | <0.0056 |
| VB-0529C | 5/20/2015 | | 15654164.70 | 1399139.29 | 638.5 | BB46 | base | <0.011 | <0.013 | <0.011 | <0.0059 | <0.0059 |
| VB-0530C | 5/20/2015 | | 15654171.20 | 1399140.05 | 638.5 | BB45 | base | <0.011 | 0.049 | <0.011 | <0.0061 | 0.049 |
| VB-0531C | 5/20/2015 | | 15654171.45 | 1399147.05 | 638.5 | CC45 | base | <0.010 | 0.014 | <0.010 | <0.0057 | 0.014 |
| VB-0532C | 5/20/2015 | | 15654171.19 | 1399162.04 | 638.5 | DD45-E | base | <0.011 | <0.013 | <0.011 | <0.0059 | <0.0059 |
| VW-0533C | 5/20/2015 | | 15654133.99 | 1399086.05 | 640.5 | W49-S | sidewall | <0.010 | 0.06 | <0.010 | 0.029 | 0.089 |
| VW-0534C | 5/20/2015 | | 15654133.73 | 1399096.04 | 640.5 | X49-S | sidewall | <0.010 | 0.10 | <0.010 | 0.04 | 0.140 |
| VW-0535C | 5/20/2015 | | 15654133.48 | 1399106.04 | 640.5 | Y49-S | sidewall | <0.011 | 0.40 | <0.011 | 0.16 | 0.56 |
| VW-0536C | 5/20/2015 | | 15654135.48 | 1399113.04 | 640.5 | Y49-E | sidewall | <0.010 | 0.034 | <0.010 | 0.019 | 0.053 |
| VW-0537C | 5/20/2015 | | 15654145.47 | 1399112.30 | 640.5 | Y48-E | sidewall | <0.010 | <0.012 | <0.010 | <0.0055 | <0.0055 |
| VW-0538C | 5/20/2015 | | 15654151.47 | 1399106.30 | 640.5 | Y48-N | sidewall | <0.010 | <0.013 | <0.010 | <0.0057 | <0.0057 |
| VW-0539C | 5/20/2015 | | 15654152.23 | 1399096.30 | 640.5 | X48-N | sidewall | <0.010 | <0.012 | <0.010 | <0.0056 | <0.0056 |
| VW-0540C | 5/20/2015 | | 15654150.98 | 1399088.80 | 640.5 | W48-N | sidewall | <0.010 | <0.012 | <0.010 | <0.0055 | <0.0055 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers

* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table

** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** | | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| | | | NORTHING | EASTING | | | | | | | | |
| VW-0541C | 5/20/2015 | on-Site (southeast re-location area) | 15654145.98 | 1399086.30 | 640.5 | W48 | sidewall | <0.010 | 0.07 | <0.010 | 0.045 | 0.115 |
| VW-5541C* | 5/20/2015 | | 15654145.98 | 1399086.30 | 640.5 | W48 | sidewall | <0.010 | <0.012 | <0.010 | <0.0056 | |
| VW-0542C | 5/20/2015 | | 15654137.49 | 1399086.05 | 640.5 | W49 | sidewall | <0.010 | <0.013 | <0.010 | <0.0057 | <0.0057 |
| VB-0543C | 5/20/2015 | | 15654137.99 | 1399088.05 | 639.5 | W49 | base | <0.011 | <0.013 | <0.011 | <0.0058 | <0.0058 |
| VB-0544C | 5/20/2015 | | 15654137.73 | 1399096.04 | 639.5 | X49 | base | <0.011 | <0.013 | <0.011 | <0.0057 | <0.0057 |
| VB-0545C | 5/20/2015 | | 15654137.48 | 1399106.04 | 639.5 | Y49 | base | <0.011 | <0.013 | <0.011 | <0.0058 | <0.0058 |
| VB-0546C | 5/20/2015 | | 15654145.47 | 1399106.30 | 639.5 | Y48 | base | <0.011 | <0.013 | <0.011 | <0.0057 | <0.0057 |
| VB-0547C | 5/20/2015 | | 15654145.73 | 1399096.30 | 639.5 | X48 | base | <0.010 | <0.013 | <0.010 | <0.0057 | <0.0057 |
| VB-0548C | 5/20/2015 | | 15654145.98 | 1399088.80 | 639.5 | W48 | base | <0.010 | <0.012 | <0.010 | <0.0056 | <0.0056 |
| VB-0549C | 5/20/2015 | on-Site (west re-location area) | 15654275.52 | 1398909.66 | 639.0 | E35-S | base | <0.0095 | 0.042 | <0.0095 | <0.0052 | 0.042 |
| VW-0550C | 5/20/2015 | | 15654275.52 | 1398916.66 | 641.0 | E35-S | sidewall | <0.0095 | 0.034 | <0.0095 | <0.0052 | 0.034 |
| VW-0551C | 5/20/2015 | | 15654270.52 | 1398909.41 | 641.0 | E36 | sidewall | <0.0095 | 0.18 | <0.0095 | <0.0052 | 0.18 |
| VW-0552C | 5/20/2015 | | 15654275.52 | 1398904.66 | 641.0 | E35-S | sidewall | <0.0095 | 0.063 | <0.0095 | <0.0052 | 0.063 |
| VB-0553C | 5/20/2015 | | 15654310.76 | 1398900.43 | 639.5 | D32 | base | <0.0096 | <0.012 | <0.0096 | <0.0052 | <0.0052 |
| VB-0554C | 5/20/2015 | | 15654310.51 | 1398910.43 | 639.5 | E32 | base | <0.0098 | 0.051 | <0.0098 | <0.0054 | 0.051 |
| VW-0555C | 5/20/2015 | | 15654310.76 | 1398897.43 | 641.0 | D32-W | sidewall | <0.010 | 0.015 | <0.010 | <0.0056 | 0.015 |
| VW-0556C | 5/20/2015 | | 15654312.76 | 1398900.43 | 641.0 | D32-N | sidewall | <0.010 | 0.24 | <0.010 | <0.0055 | 0.24 |
| VW-0557C | 5/20/2015 | | 15654313.51 | 1398910.43 | 641.0 | E32-N | sidewall | <0.0098 | <0.012 | <0.0098 | <0.0053 | <0.0053 |
| VB-0558C | 5/20/2015 | | 15654282.76 | 1398919.66 | 637.5 | F35 | base | <0.010 | 0.49 | <0.010 | <0.0054 | 0.86 [1] |
| VB-5558C* | 5/20/2015 | | 15654282.76 | 1398919.66 | 637.5 | F35 | base | <0.010 | 0.86 | <0.010 | <0.0055 | |
| VB-0559C | 5/20/2015 | | 15654290.26 | 1398919.92 | 637.5 | F34 | base | <0.0097 | <0.012 | <0.0097 | <0.0053 | <0.0053 |
| VB-0560C | 5/20/2015 | on-Site (west re-location area) | 15654300.26 | 1398920.17 | 637.5 | F33 | base | <0.0097 | 0.27 | <0.0097 | <0.0053 | 0.27 |
| VB-0561C | 5/20/2015 | | 15654282.51 | 1398929.66 | 637.5 | G35 | base | <0.0097 | <0.012 | <0.0097 | <0.0053 | <0.0053 |
| VB-0562C | 5/20/2015 | | 15654290.01 | 1398929.91 | 637.5 | G34 | base | <0.0097 | 0.11 | <0.0097 | <0.0053 | 0.11 |
| VB-0563C | 5/20/2015 | | 15654300.00 | 1398930.17 | 637.5 | G33 | base | <0.0097 | <0.012 | <0.0097 | <0.0053 | <0.0053 |
| VW-0564C | 5/20/2015 | | 15654280.26 | 1398919.66 | 640.0 | F35 | sidewall | <0.0096 | 0.58 | <0.0096 | <0.0053 | 0.65 |
| VW-5564C* | 5/20/2015 | | 15654280.26 | 1398919.66 | 640.0 | F35 | sidewall | <0.0096 | 0.65 | <0.0096 | <0.0052 | |
| VW-0565C | 5/20/2015 | | 15654280.01 | 1398929.66 | 640.0 | G35 | sidewall | <0.0096 | 0.051 | <0.0096 | <0.0052 | 0.051 |
| VW-0566C | 5/20/2015 | | 15654300.26 | 1398915.17 | 639.0 | F33-W | sidewall | <0.0094 | <0.011 | <0.0094 | <0.0052 | <0.0052 |
| VW-0567C | 5/20/2015 | | 15654290.26 | 1398914.92 | 639.0 | F34-W | sidewall | <0.0094 | <0.011 | <0.0094 | <0.0051 | <0.0051 |
| VW-0568C | 5/20/2015 | | 15654282.76 | 1398914.66 | 639.0 | F35-W | sidewall | <0.0095 | <0.011 | <0.0095 | <0.0052 | <0.0052 |
| VW-0569C | 5/20/2015 | | 15654305.26 | 1398920.17 | 639.0 | F33-N | sidewall | <0.0095 | <0.011 | <0.0095 | <0.0052 | <0.0052 |
| VW-0570C | 5/20/2015 | | 15654305.00 | 1398930.17 | 639.0 | G33-N | sidewall | <0.0094 | <0.011 | <0.0094 | <0.0051 | <0.0051 |
| VW-0571C | 5/20/2015 | | 15654300.00 | 1398935.17 | 640.0 | G33-E | sidewall | <0.0096 | <0.012 | <0.0096 | <0.0052 | <0.0052 |
| VW-0572C | 5/20/2015 | | 15654290.01 | 1398934.91 | 640.0 | G34-E | sidewall | <0.0097 | <0.012 | <0.0097 | <0.0053 | <0.0053 |
| VW-0573C | 5/20/2015 | | 15654282.51 | 1398934.66 | 640.0 | G35-E | sidewall | <0.0095 | <0.011 | <0.0095 | <0.0052 | <0.0052 |
| VW-0574C | 5/20/2015 | on-Site (north-central re-location area) | 15654546.62 | 1399070.48 | 642.5 | T8-E | sidewall | <0.054 | 27 | <0.054 | 7.4 | 34.4 [2] |
| VW-0575C | 5/20/2015 | | 15654536.62 | 1399070.23 | 642.5 | T9-E | sidewall | <0.053 | 17 | <0.053 | 5.8 | 22.8 |
| VW-0576C | 5/20/2015 | | 15654529.12 | 1399070.47 | 642.5 | T10-E | sidewall | <0.011 | 1.0 | <0.011 | 0.40 | 1.4 |
| VW-0577C | 5/20/2015 | | 15654525.62 | 1399065.97 | 642.5 | T10 | sidewall | <0.52 | 0.82 | <0.52 | <0.29 | 0.82 |
| VW-0578C | 5/20/2015 | | 15654526.38 | 1399055.98 | 642.5 | S10 | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VW-0579C | 5/20/2015 | | 15654527.13 | 1399048.48 | 642.5 | R10 | sidewall | <0.52 | 0.71 | <0.52 | <0.29 | 0.71 |
| VW-0580C | 5/20/2015 | | 15654529.63 | 1399046.48 | 642.5 | R10 | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VW-0581C | 5/20/2015 | | 15654537.13 | 1399046.73 | 642.5 | R9 | sidewall | <0.53 | 8.0 | <0.53 | 5.0 | 13.0 |
| VW-0582C | 5/20/2015 | | 15654547.12 | 1399046.49 | 644.0 | R8 | sidewall | <0.54 | 5.5 | <0.54 | 3.1 | 8.6 |
| VW-0583C | 5/20/2015 | | 15654552.12 | 1399048.99 | 643.5 | R8-N | sidewall | <0.55 | 12 | <0.55 | 8.8 | 20.8 |
| VW-0584C | 5/20/2015 | | 15654551.87 | 1399056.48 | 643.5 | S8-N | sidewall | <0.51 | 4.4 | <0.51 | 1.4 | 5.8 |
| VW-0585C | 5/20/2015 | | 15654551.62 | 1399066.48 | 643.5 | T8-N | sidewall | <0.51 | 30 | <0.51 | <0.28 | 30 [2] |
| VB-0586C | 5/20/2015 | | 15654546.62 | 1399066.48 | 641.5 | T8 | base | <0.55 | 18 | <0.55 | 2.6 | 20.6 |

*Notes:*

shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location

[1] total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area)

[2] total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area)

[3] total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion)

refer to laboratory reports in Appendix 5 for data qualifiers

* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table

** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram

PCBs - polychlorinated biphenyls

VB - verification base sample

VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VB-0587C | 5/20/2015 | on-Site (north-central re-location area) | 15654536.62 | 1399066.23 | 641.5 | T9 | base | <0.54 | 4.2 | <0.54 | 1.0 | 5.2 |
| VB-0588C | 5/20/2015 | | 15654528.62 | 1399065.97 | 641.5 | T10 | base | <0.54 | 1.5 | <0.54 | <0.30 | 1.5 |
| VB-5588C* | 5/20/2015 | | 15654528.62 | 1399065.97 | 641.5 | T10 | base | <0.52 | 1.3 | <0.52 | <0.29 | |
| VB-0589C | 5/20/2015 | | 15654546.87 | 1399056.48 | 641.5 | S8 | base | <0.53 | 2.0 | <0.53 | <0.29 | 2.0 |
| VB-0590C | 5/20/2015 | | 15654536.87 | 1399056.23 | 641.5 | S9 | base | <0.56 | 21 | <0.56 | 9.6 | 30.6 [2] |
| VB-0591C | 5/20/2015 | | 15654528.88 | 1399055.98 | 641.5 | S10 | base | <0.54 | <0.65 | <0.54 | <0.29 | <0.29 |
| VB-0592C | 5/20/2015 | | 15654547.12 | 1399048.99 | 641.5 | R8 | base | <0.53 | 9.8 | <0.53 | 3.6 | 13.4 |
| VB-0593C | 5/20/2015 | | 15654537.13 | 1399048.73 | 641.5 | R9 | base | <0.56 | 13 | <0.56 | 5.0 | 18 |
| VB-0594C | 5/20/2015 | | 15654529.63 | 1399048.48 | 641.5 | R10 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-0595C | 5/20/2015 | | 15654577.62 | 1399027.26 | 642.5 | P5 | sidewall | <0.53 | 4.8 | <0.53 | <0.29 | 4.8 |
| VB-0596C | 5/20/2015 | | 15654572.62 | 1399027.26 | 640.5 | P5-S | base | <0.49 | 13 | <0.49 | <0.27 | 13 |
| VB-0597C | 5/20/2015 | | 15654562.63 | 1399027.00 | 640.5 | P6-S | base | <0.50 | 4.4 | <0.50 | <0.27 | 4.4 |
| VB-0598C | 5/20/2015 | | 15654572.37 | 1399037.25 | 640.5 | Q5-S | base | <0.49 | 14 | <0.49 | <0.27 | 14 |
| VB-0599C | 5/20/2015 | | 15654562.37 | 1399037.00 | 640.5 | Q6-S | base | <0.53 | 8.5 | <0.53 | <0.29 | 8.5 |
| VB-0600C | 5/20/2015 | | 15654567.12 | 1399044.50 | 640.5 | R6 | base | <0.59 | 16 | <0.59 | <0.32 | 16 |
| VB-0601C | 5/20/2015 | | 15654558.62 | 1399044.24 | 640.5 | R7 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VW-0602C | 5/20/2015 | | 15654578.37 | 1399037.25 | 642.0 | Q5-N | sidewall | <0.53 | 11 | <0.53 | <0.29 | 11 |
| VW-0603C | 5/20/2015 | | 15654577.12 | 1399044.75 | 642.0 | R5 | sidewall | <0.54 | 5.1 | <0.54 | <0.30 | 5.1 |
| VW-0604C | 5/20/2015 | | 15654567.12 | 1399047.00 | 642.0 | R6 | sidewall | <0.54 | <0.64 | <0.54 | <0.29 | <0.29 |
| VW-0605C | 5/20/2015 | | 15654559.62 | 1399046.74 | 642.0 | R7 | sidewall | <0.55 | <0.66 | <0.55 | <0.30 | <0.30 |
| VW-0606C | 5/20/2015 | | 15654556.12 | 1399044.24 | 642.0 | R7 | sidewall | <0.55 | 7.7 | <0.55 | 4.3 | 12 |
| VW-0607C | 5/20/2015 | | 15654555.38 | 1399036.74 | 642.0 | Q7 | sidewall | <0.54 | 4.4 | <0.54 | 2.4 | 10.7 |
| VW-5607C* | 5/20/2015 | | 15654555.38 | 1399036.74 | 642.0 | Q7 | sidewall | <0.54 | 6.9 | <0.54 | 3.8 | |
| VW-0608C | 5/20/2015 | | 15654556.63 | 1399026.75 | 642.0 | P7 | sidewall | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |
| VW-0609C | 5/20/2015 | | 15654561.63 | 1399021.75 | 642.0 | P7-W | sidewall | <0.53 | 0.64 | <0.53 | <0.29 | 0.64 |
| VW-0610C | 5/20/2015 | | 15654571.62 | 1399022.26 | 642.0 | P5-W | sidewall | <0.55 | <0.66 | <0.55 | <0.30 | <0.30 |
| VB-0611C | 5/20/2015 | on-Site (southeast portion of former building footprint) | 15654263.66 | 1399184.32 | 639.0 | FF36-E | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-0612C | 5/20/2015 | | 15654263.91 | 1399169.33 | 629.0 | EE36 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-0613C | 5/20/2015 | on-Site (mid-central sewer area) | 15654257.90 | 1399206.56 | 635.0 | II37-N | sidewall | <0.50 | <0.61 | <0.50 | <0.28 | <0.28 |
| VW-0614C | 5/20/2015 | | 15654258.15 | 1399199.06 | 635.0 | HH37-N | sidewall | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VW-0615C | 5/20/2015 | | 15654253.15 | 1399194.06 | 635.0 | HH37-W | sidewall | <0.51 | 1.4 | <0.51 | <0.28 | 1.4 |
| VW-0616C | 5/20/2015 | | 15654248.41 | 1399188.81 | 635.0 | GG38-N | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VW-0617C | 5/20/2015 | | 15654247.16 | 1399178.82 | 635.0 | FF38-N | sidewall | <0.50 | 4.4 | <0.50 | <0.28 | 4.4 |
| VW-0618C | 5/20/2015 | | 15654226.90 | 1399206.05 | 635.0 | II39-S | sidewall | <0.52 | 0.65 | <0.52 | <0.29 | 0.65 |
| VW-0619C | 5/20/2015 | | 15654227.16 | 1399198.55 | 635.0 | HH39-S | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-0620C | 5/20/2015 | | 15654227.41 | 1399188.56 | 635.0 | GG39-S | sidewall | <0.52 | 31 | <0.52 | 5.6 | 36.6 [2] |
| VW-0621C | 5/20/2015 | on-Site (south-central portion of former building footprint) | 15654264.93 | 1399129.34 | 639.0 | AA36 | sidewall | <0.50 | 20 | <0.50 | 5.8 | 25.8 [2] |
| VW-0622C | 5/20/2015 | on-Site (mid-central lateral area) | 15654229.17 | 1399158.57 | 639.0 | DD39-S | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VW-0623C | 5/20/2015 | | 15654229.43 | 1399148.57 | 639.0 | CC39-S | sidewall | <0.50 | 1.6 | <0.50 | <0.27 | 1.6 |
| VW-5623C* | 5/20/2015 | | 15654229.43 | 1399148.57 | 639.0 | CC39-S | sidewall | <0.49 | 1.2 | <0.49 | <0.27 | |
| VB-0624C | 5/20/2015 | | 15654253.15 | 1399199.06 | 633.0 | HH37 | base | <0.51 | 8.0 | <0.51 | <0.28 | 8.0 |
| VB-0625C | 5/20/2015 | | 15654243.15 | 1399198.81 | 633.0 | HH38 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-0626C | 5/20/2015 | | 15654233.16 | 1399198.55 | 635.0 | HH39 | base | <0.51 | 2.2 | <0.51 | <0.28 | 2.2 |
| VB-0627C | 5/20/2015 | | 15654252.90 | 1399206.56 | 633.0 | II37 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-0628C | 5/20/2015 | | 15654242.90 | 1399206.31 | 633.0 | II38 | base | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VB-0629C | 5/20/2015 | | 15654232.90 | 1399206.05 | 633.0 | II39 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-0630C | 5/20/2015 | | 15654243.41 | 1399188.81 | 635.0 | GG38 | base | <0.51 | 25 | <0.51 | <0.28 | 25 [2] |
| VB-0631C | 5/20/2015 | | 15654233.41 | 1399188.56 | 635.0 | GG39 | base | <0.51 | 7.3 | <0.51 | <0.28 | 7.3 |
| VB-0632C | 5/20/2015 | | 15654243.66 | 1399178.82 | 635.0 | FF38 | base | <0.51 | 21 | <0.51 | 4.7 | 25.7 [2] |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

refer to laboratory reports in Appendix 5 for data qualifiers
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** | | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| | | | NORTHING | EASTING | | | | | | | | |
| VB-0633C | 5/20/2015 | on-Site (mid-central sewer area) | 15654233.67 | 1399178.56 | 635.0 | FF39 | base | <0.51 | 110 | <0.51 | 25 | 135 [3] |
| VB-0634C | 5/20/2015 | | 15654233.92 | 1399168.56 | 634.5 | EE39 | base | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VB-0635C | 5/20/2015 | | 15654234.17 | 1399158.57 | 634.5 | DD39 | base | <0.50 | <0.61 | <0.50 | <0.28 | <0.28 |
| VB-0636C | 5/20/2015 | | 15654234.43 | 1399148.57 | 634.5 | CC39 | base | <0.51 | 3.1 | <0.51 | <0.28 | 3.1 |
| VB-0645C | 5/21/2015 | on-Site (northeast portion of former building footprint) | 15654384.13 | 1399162.38 | 632.5 | DD24 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-0646C | 5/21/2015 | | 15654383.87 | 1399172.38 | 632.5 | EE24 | base | <0.53 | 460 | <0.53 | <0.29 | 460 [3] |
| VW-0647C | 5/21/2015 | | 15654389.13 | 1399162.38 | 637.5 | DD24-N | sidewall | <0.54 | <0.65 | <0.54 | <0.29 | <0.29 |
| VW-0648C | 5/21/2015 | | 15654388.87 | 1399172.38 | 637.5 | EE24-N | sidewall | <0.54 | <0.65 | <0.54 | <0.29 | <0.29 |
| VW-0649C | 5/21/2015 | | 15654383.87 | 1399177.38 | 637.5 | EE24-E | sidewall | <0.54 | <0.66 | <0.54 | <0.30 | <0.30 |
| VW-0650C | 5/21/2015 | | 15654384.13 | 1399157.38 | 637.5 | DD24-W | sidewall | <0.51 | 13 | <0.51 | <0.28 | 13 |
| VB-0651C | 5/21/2015 | | 15654383.11 | 1399198.87 | 639.5 | HH24 | base | <0.49 | 37 | <0.49 | <0.27 | 37 |
| VB-0652C | 5/21/2015 | | 15654383.36 | 1399192.37 | 639.5 | GG24 | base | <0.49 | 260 | <0.49 | <0.27 | 260 [3] |
| VW-0653C | 5/21/2015 | | 15654388.11 | 1399199.37 | 642.0 | HH24-N | sidewall | <0.48 | 8.9 | <0.48 | <0.26 | 8.9 |
| VW-5653C* | 5/21/2015 | | 15654388.11 | 1399199.37 | 642.0 | HH24-N | sidewall | <0.48 | 7.8 | <0.48 | <0.26 | |
| VW-0654C | 5/21/2015 | | 15654383.36 | 1399187.37 | 642.0 | GG24-W | sidewall | <0.56 | 2.9 | <0.56 | <0.31 | 2.9 |
| VB-0655C | 5/21/2015 | on-Site (southeast portion of former building footprint) | 15654213.67 | 1399178.05 | 639.0 | FF41 | base | <0.54 | <0.65 | <0.54 | <0.30 | <0.30 |
| VB-0656C | 5/21/2015 | | 15654223.67 | 1399178.31 | 639.0 | FF40 | base | <0.51 | 3.9 | <0.51 | <0.28 | 3.9 |
| VW-0657C | 5/21/2015 | on-Site (southeast re-location area) | 15654153.95 | 1399171.53 | 639.5 | EE47-E | sidewall | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |
| VW-0658C | 5/21/2015 | | 15654146.95 | 1399166.53 | 639.5 | EE47-S | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-0659C | 5/21/2015 | | 15654153.95 | 1399166.53 | 638.5 | EE47 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-0660C | 5/21/2015 | | 15654159.95 | 1399166.53 | 639.5 | EE47-N | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-0661C | 5/22/2015 | on-Site (central portion of former building footprint) | 15654275.43 | 1399109.60 | 635.0 | Y35 | base | <0.51 | 55 | <0.51 | <0.28 | 3.5 |
| VB-0662C | 5/22/2015 | | 15654275.69 | 1399099.60 | 635.0 | X35 | base | <0.53 | 3.5 | <0.53 | <0.29 | <0.29 |
| VB-0663C | 5/22/2015 | | 15654285.68 | 1399099.86 | 635.0 | X34 | base | <0.52 | <0.62 | <0.52 | <0.28 | 770 [3] |
| VB-5663C* | 5/22/2015 | | 15654285.68 | 1399099.86 | 635.0 | X34 | base | <0.50 | 95 | <0.50 | 35 | |
| VB-0664C | 5/22/2015 | | 15654305.17 | 1399120.36 | 635.0 | Z32 | base | <2.5 | 620 | <2.5 | 150 | 37 |
| VB-0665C | 5/22/2015 | | 15654275.18 | 1399119.60 | 635.0 | Z35 | base | <0.52 | 37 | <0.52 | <0.28 | 32 |
| VB-0667C | 5/22/2015 | | 15654285.17 | 1399119.85 | 635.0 | Z34 | base | <0.51 | 32 | <0.51 | <0.28 | 1.1 |
| VB-0668C | 5/22/2015 | | 15654315.16 | 1399120.61 | 635.0 | Z31 | base | <0.50 | 1.1 | <0.50 | <0.27 | 303 [3] |
| VB-0669C | 5/22/2015 | | 15654294.92 | 1399130.10 | 635.0 | AA33 | base | <0.51 | 280 | <0.51 | 23 | 85 |
| VB-5669C* | 5/22/2015 | | 15654294.92 | 1399130.10 | 635.0 | AA33 | base | <0.51 | 85 | <0.51 | <0.28 | |
| VB-0670C | 5/22/2015 | | 15654335.16 | 1399121.12 | 635.0 | Z29 | base | <0.51 | 190 | <0.51 | <0.28 | 190 [3] |
| VB-0671C | 5/22/2015 | | 15654325.16 | 1399120.87 | 635.0 | Z30 | base | <0.51 | 26 | <0.51 | <0.28 | 26 |
| VB-0672C | 5/22/2015 | | 15654285.94 | 1399089.86 | 635.0 | W34 | base | <0.50 | 58 | <0.50 | 11 | 69 |
| VB-0673C | 5/22/2015 | | 15654314.91 | 1399130.61 | 635.0 | AA31 | base | <0.50 | 15 | <0.50 | <0.27 | 15 |
| VB-0674C | 5/22/2015 | | 15654295.17 | 1399120.11 | 635.0 | Z33 | base | <0.49 | 3.6 | <0.49 | <0.27 | 3.6 |
| VB-0675C | 5/22/2015 | | 15654324.91 | 1399130.86 | 635.0 | AA30 | base | <1.0 | 600 | <1.0 | <0.54 | 600 [3] |
| VB-0676C | 5/22/2015 | | 15654304.91 | 1399130.36 | 635.0 | AA32 | base | <0.50 | 340 | <0.50 | 73 | 413 [3] |
| VB-0677C | 5/22/2015 | | 15654355.15 | 1399121.63 | 635.0 | Z27 | base | <0.51 | 300 | <0.51 | 17 | 317 [3] |
| VB-0678C | 5/22/2015 | | 15654345.16 | 1399121.38 | 635.0 | Z28 | base | <0.50 | 200 | <0.50 | 14 | 214 [3] |
| VB-0679C | 5/22/2015 | | 15654295.43 | 1399110.11 | 635.0 | Y33 | base | <0.51 | 14 | <0.51 | <0.28 | 14 |
| VB-0680C | 5/27/2015 | on-Site (north-central re-location area) | 15654536.87 | 1399056.23 | 640.6 | S9 | base | <0.58 | 0.70 | <0.58 | <0.32 | 0.70 |
| VB-0681C | 5/27/2015 | | 15654554.11 | 1399066.73 | 643.1 | T7 | base | <0.54 | <0.65 | <0.54 | <0.29 | <0.29 |
| VW-0682C | 5/27/2015 | | 15654556.61 | 1399061.73 | 644.0 | T7-W | sidewall | <0.51 | 2.6 | <0.51 | <0.28 | 2.6 |
| VW-0683C | 5/27/2015 | | 15654556.61 | 1399066.73 | 644.0 | T7 | sidewall | <0.53 | 120 | <0.53 | <0.29 | 120 [3] |
| VW-0684C | 5/27/2015 | | 15654556.61 | 1399070.73 | 644.0 | T7-E | sidewall | <0.53 | 52 | <0.53 | <0.29 | 52 [2] |
| VB-0685C | 5/27/2015 | on-Site (north-central portion of former building footprint) | 15654395.65 | 1399102.65 | 640.0 | X23 | base | <0.53 | 2.0 | <0.53 | <0.29 | 2.0 |
| VB-0686C | 5/27/2015 | | 15654395.39 | 1399112.65 | 640.0 | Y23 | base | <0.53 | 2.3 | <0.53 | <0.29 | 2.3 |
| VB-0687C | 5/27/2015 | | 15654385.40 | 1399112.40 | 640.0 | Y24 | base | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VB-0688C | 5/27/2015 | on-Site (north-central portion of former building footprint) | 15654385.65 | 1399102.40 | 640.0 | X24 | base | <0.53 | 76 | <0.53 | <0.29 | 76 |
| VW-0689C | 5/27/2015 | | 15654395.39 | 1399115.15 | 642.0 | Y23-E | sidewall | <2.5 | 1,000 | <2.5 | 210 | 1,210 [3] |
| VW-0690C | 5/27/2015 | | 15654385.40 | 1399115.90 | 642.0 | Y24-E | sidewall | <4.9 | 1,900 | <4.9 | 420 | 2,320 [3] |
| VW-0691C | 5/27/2015 | | 15654399.65 | 1399102.65 | 642.0 | X23-N | sidewall | <4.8 | 1,600 | <4.8 | 200 | 1,800 [3] |
| VW-0692C | 5/27/2015 | | 15654398.39 | 1399112.65 | 642.0 | Y23-N | sidewall | <0.94 | 460 | <0.94 | <0.52 | 460 [3] |
| VW-5692C* | 5/27/2015 | | 15654398.39 | 1399112.65 | 642.0 | Y23-N | sidewall | <0.47 | 370 | <0.47 | <0.26 | |
| VB-0695C | 5/27/2015 | | 15654418.13 | 1399123.16 | 636.5 | Z21-N | base | <0.50 | 1.0 | <0.50 | <0.27 | 1.0 |
| VB-0696C | 5/27/2015 | | 15654417.88 | 1399133.15 | 636.5 | AA21-N | base | <0.52 | 180 | <0.52 | <0.28 | 180 [3] |
| VB-0697C | 5/27/2015 | | 15654409.88 | 1399132.90 | 636.5 | AA22-N | base | <0.52 | 240 | <0.52 | <0.28 | 240 [3] |
| VB-0698C | 5/27/2015 | | 15654408.14 | 1399124.90 | 636.5 | Z22-N | base | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VW-0699C | 5/27/2015 | | 15654425.13 | 1399123.41 | 639.5 | Z20 | sidewall | <0.52 | 31 | <0.52 | <0.29 | 31 |
| VW-0700C | 5/27/2015 | | 15654424.88 | 1399133.41 | 639.5 | AA20 | sidewall | <0.52 | 4.1 | <0.52 | 1.8 | 5.9 |
| VW-0701C | 5/27/2015 | | 15654419.62 | 1399142.15 | 639.5 | BB21-N | sidewall | <2.5 | 670 | <2.5 | 700 | 1,370 [3] |
| VW-0702C | 5/27/2015 | | 15654409.62 | 1399140.15 | 639.5 | BB21-S | sidewall | <10 | 4,700 | <10 | <5.6 | 4,700 [3] |
| VW-0703C | 5/27/2015 | | 15654404.88 | 1399132.90 | 639.5 | AA22 | sidewall | <0.51 | 1.1 | <0.51 | <0.28 | 1.1 |
| VW-0704C | 5/27/2015 | | 15654404.14 | 1399122.90 | 639.5 | Z22-S | sidewall | <0.51 | 1.9 | <0.51 | <0.28 | 1.9 |
| VW-0705C | 5/27/2015 | | 15654410.14 | 1399115.90 | 639.5 | Z22-N | sidewall | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VW-0706C | 5/27/2015 | | 15654417.63 | 1399117.16 | 639.5 | Z21-W | sidewall | <0.51 | 270 | <0.51 | 71 | 341 [3] |
| VB-0761C | 5/28/2015 | on-Site (sewer lateral area along northeast side of former building footprint) | 15654452.83 | 1399211.14 | 624.7 | II17 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-0762C | 5/28/2015 | | 15654442.84 | 1399210.89 | 624.7 | II18 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-0763C | 5/28/2015 | | 15654432.84 | 1399210.64 | 625.0 | II19 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-0764C | 5/28/2015 | | 15654422.84 | 1399210.38 | 625.0 | II20 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-0765C | 5/28/2015 | | 15654412.84 | 1399210.13 | 625.7 | II21 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-0766C | 5/28/2015 | | 15654392.85 | 1399209.62 | 626.5 | II23-W | base | <0.49 | 13 | <0.49 | <0.27 | 13 |
| VB-0767C | 5/28/2015 | | 15654382.85 | 1399209.36 | 627.0 | II24-W | base | <0.50 | 13 | <0.50 | <0.27 | 13 |
| VB-0768C | 5/29/2015 | on-Site (west re-location area) | 15654282.76 | 1398919.66 | 637.0 | F35 | base | <0.0098 | 0.018 | <0.0098 | <0.0054 | 0.018 |
| VW-0769C | 5/29/2015 | on-Site (north-central re-location area) | 15654561.61 | 1399066.73 | 644.0 | T7-N | sidewall | <0.011 | 1.1 | <0.011 | <0.006 | 1.1 |
| VW-0770C | 5/29/2015 | | 15654559.11 | 1399071.73 | 644.0 | T7-E | sidewall | <1.1 | 330 | <1.1 | <0.58 | 330 [3] |
| VW-0772C | 5/29/2015 | on-Site (southeast portion of former building footprint) | 15654213.42 | 1399183.05 | 635.0 | GG41-W | sidewall | <0.50 | 27 | <0.50 | <0.27 | 27 [2] |
| VW-0773C | 5/29/2015 | | 15654213.42 | 1399193.05 | 635.0 | GG41-E | sidewall | <0.50 | 9.4 | <0.50 | <0.27 | 9.4 |
| VW-0774C | 5/29/2015 | | 15654223.41 | 1399193.30 | 635.0 | GG40-E | sidewall | <0.50 | 140 | <0.50 | 21 | 161 [3] |
| VW-0775C | 5/29/2015 | | 15654208.42 | 1399188.05 | 635.0 | GG41-S | sidewall | <2.6 | 640 | <2.6 | <1.4 | 640 [3] |
| VW-0776C | 5/29/2015 | | 15654223.41 | 1399183.30 | 635.0 | GG40-W | sidewall | <0.51 | 21 | <0.51 | <0.28 | 21 |
| VB-0777C | 5/29/2015 | | 15654243.66 | 1399178.82 | 632.0 | FF38 | base | <0.50 | <0.61 | <0.50 | <0.27 | <0.27 |
| VB-0778C | 5/29/2015 | | 15654233.67 | 1399178.56 | 632.0 | FF39 | base | <0.49 | 5.3 | <0.49 | <0.27 | 5.3 |
| VB-0779C | 5/29/2015 | | 15654243.41 | 1399188.81 | 632.0 | GG38 | base | <0.50 | 1.1 | <0.50 | <0.27 | 1.1 |
| VB-0780C | 5/29/2015 | on-Site (sewer lateral area | 15654462.83 | 1399211.40 | 624.7 | II16 | base | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |
| VB-0781C | 6/1/2015 | on-Site (central portion of former buiding footprint) | 15654335.41 | 1399111.13 | 634.0 | Y29 | base | <0.53 | 63 | <0.53 | <0.29 | 63 |
| VB-0782C | 6/1/2015 | | 15654306.19 | 1399080.37 | 633.0 | V32 | base | <0.53 | 6.4 | <0.53 | <0.29 | 6.4 |
| VB-0783C | 6/1/2015 | | 15654315.67 | 1399100.62 | 634.0 | X31 | base | <0.50 | 36 | <0.50 | <0.27 | 36 |
| VB-0784C | 6/1/2015 | | 15654355.66 | 1399101.64 | 633.0 | X27 | base | <0.52 | 390 | <0.52 | <0.28 | 390 [3] |
| VB-0814C | 6/1/2015 | on-Site (sewer lateral area along northeast side of former building footprint) | 15654402.85 | 1399210.37 | 629.0 | II22-W | base | <0.013 | <0.016 | <0.013 | <0.0073 | <0.0073 |
| VB-0815C | 6/1/2015 | | 15654362.86 | 1399206.86 | 630.0 | II26-W | base | <0.010 | <0.013 | <0.010 | <0.0057 | <0.0057 |
| VB-0816C | 6/1/2015 | | 15654352.86 | 1399206.60 | 630.5 | II27-W | base | <0.011 | 0.027 | <0.011 | <0.0058 | 0.027 |

*Notes:*

shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil)
additional soil removal and subsequent additional verification sample collection conducted at this location

[1] total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area)

[2] total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area)

[3] total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion)

refer to laboratory reports in Appendix 5 for data qualifiers

* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table

** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VB-0817C | 6/1/2015 | on-Site (south-central portion of former building footprint) | 15654245.70 | 1399098.84 | 640.3 | X38 | base | <0.50 | 1.3 | <0.50 | <0.27 | 2.9 |
| VB-5817C* | 6/1/2015 | | 15654245.70 | 1399098.84 | 640.3 | X38 | base | <0.50 | 2.9 | <0.50 | <0.27 | |
| VB-0818C | 6/1/2015 | | 15654255.69 | 1399099.09 | 638.3 | X37 | base | <2.6 | 890 | <2.6 | <1.4 | 890 [3] |
| VB-0819C | 6/1/2015 | | 15654255.44 | 1399109.09 | 638.3 | Y37 | base | <0.51 | 0.86 | <0.51 | <0.28 | 0.86 |
| VB-0820C | 6/1/2015 | | 15654245.44 | 1399108.84 | 640.3 | Y38 | base | <0.50 | 73 | <0.50 | 7.0 | 80.0 [2] |
| VW-0821C | 6/1/2015 | | 15654240.70 | 1399098.84 | 641.5 | X38-S | sidewall | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VW-0822C | 6/1/2015 | | 15654240.44 | 1399108.84 | 641.5 | Y38-S | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-0823C | 6/1/2015 | | 15654245.70 | 1399092.34 | 641.0 | X38-W | sidewall | <0.49 | 27 | <0.49 | 2.8 | 29.8 [2] |
| VW-0824C | 6/1/2015 | | 15654245.44 | 1399111.84 | 641.0 | Y38-E | sidewall | <0.44 | 54 | <0.44 | 5.3 | 59.3 [2] |
| VB-0825C | 6/1/2015 | | 15654293.69 | 1399077.62 | 640.0 | V33 | base | <0.50 | 130 | <0.50 | 29 | 159 [3] |
| VB-0826C | 6/1/2015 | | 15654296.44 | 1399070.12 | 640.0 | U33 | base | <0.46 | 26 | <0.46 | <0.25 | 26 |
| VB-0827C | 6/1/2015 | | 15654286.45 | 1399069.87 | 640.0 | U34 | base | <0.50 | 43 | <0.50 | <0.27 | 43 |
| VB-0828C | 6/1/2015 | | 15654278.95 | 1399069.61 | 640.0 | U35 | base | <0.49 | 52 | <0.49 | <0.27 | 52 |
| VB-0829C | 6/1/2015 | | 15654286.19 | 1399079.86 | 640.0 | V34 | base | <0.51 | 88 | <0.51 | <0.28 | 88 |
| VB-0830C | 6/1/2015 | | 15654278.69 | 1399079.61 | 640.0 | V35 | base | <0.50 | 3.1 | <0.50 | <0.27 | 3.1 |
| VW-0831C | 6/1/2015 | | 15654296.44 | 1399066.62 | 641.5 | U33-W | sidewall | <2.5 | 750 | <2.5 | <1.4 | 750 [3] |
| VW-0832C | 6/1/2015 | | 15654286.45 | 1399065.87 | 641.5 | U34-W | sidewall | <0.49 | 24 | <0.49 | <0.27 | 24 |
| VW-0833C | 6/1/2015 | | 15654278.95 | 1399065.61 | 641.5 | U35-W | sidewall | <0.49 | 15 | <0.49 | <0.27 | 15 |
| VW-0834C | 6/1/2015 | | 15654276.45 | 1399069.61 | 641.5 | U35 | sidewall | <0.50 | 21 | <0.50 | <0.27 | 21 |
| VW-0835C | 6/1/2015 | | 15654276.19 | 1399079.61 | 641.0 | V35 | sidewall | <0.49 | 180 | <0.49 | <0.27 | 180 [3] |
| VB-0836C | 6/1/2015 | | 15654365.91 | 1399091.89 | 634.0 | W26 | base | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VB-0837C | 6/1/2015 | | 15654355.91 | 1399091.64 | 634.0 | W27 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-0838C | 6/1/2015 | | 15654345.92 | 1399091.39 | 634.0 | W28 | base | <0.51 | 1.5 | <0.51 | <0.28 | 1.5 |
| VB-0839C | 6/1/2015 | | 15654335.92 | 1399091.13 | 634.0 | W29 | base | <0.54 | <0.65 | <0.54 | <0.29 | <0.29 |
| VB-0840C | 6/1/2015 | | 15654325.92 | 1399090.88 | 634.0 | W30 | base | <0.53 | 3.9 | <0.53 | <0.29 | 3.9 |
| VB-0841C | 6/1/2015 | | 15654315.93 | 1399090.62 | 634.0 | W31 | base | <0.53 | 9.3 | <0.53 | <0.29 | 9.3 |
| VB-0842C | 6/1/2015 | | 15654305.93 | 1399090.37 | 633.0 | W32 | base | <0.52 | 9.0 | <0.52 | <0.29 | 9.0 |
| VB-0843C | 6/1/2015 | | 15654295.93 | 1399090.12 | 633.0 | W33 | base | <0.52 | 5.0 | <0.52 | <0.29 | 5.0 |
| VB-0844C | 6/1/2015 | | 15654336.18 | 1399081.14 | 634.0 | V29 | base | <0.54 | 0.82 | <0.54 | <0.29 | 0.82 |
| VB-0845C | 6/1/2015 | | 15654326.18 | 1399080.88 | 633.5 | V30 | base | <0.54 | <0.65 | <0.54 | <0.29 | <0.29 |
| VB-0846C | 6/1/2015 | | 15654316.18 | 1399080.63 | 634.0 | V31 | base | <0.54 | 13 | <0.54 | <0.30 | 13 |
| VB-0847C | 6/1/2015 | | 15654345.66 | 1399101.38 | 633.7 | X28 | base | <0.50 | 150 | <0.50 | <0.27 | 150 [3] |
| VB-0848C | 6/1/2015 | | 15654335.67 | 1399101.13 | 634.0 | X29 | base | <0.52 | 7.4 | <0.52 | <0.28 | 16 |
| VB-5848C* | 6/1/2015 | | 15654335.67 | 1399101.13 | 634.0 | X29 | base | <0.52 | 16 | <0.52 | <0.29 | |
| VB-0849C | 6/1/2015 | | 15654325.67 | 1399100.87 | 634.0 | X30 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-0850C | 6/1/2015 | | 15654305.68 | 1399100.37 | 633.0 | X32 | base | <0.50 | 270 | <0.50 | <0.27 | 270 [3] |
| VB-0851C | 6/1/2015 | | 15654295.68 | 1399100.11 | 633.0 | X33 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-0852C | 6/1/2015 | | 15654285.68 | 1399099.86 | 632.5 | X34 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-0853C | 6/1/2015 | | 15654345.41 | 1399111.38 | 634.0 | Y28 | base | <2.5 | 880 | <2.5 | <1.4 | 1,100 [3] |
| VB-5853C* | 6/1/2015 | | 15654345.41 | 1399111.38 | 634.0 | Y28 | base | <2.5 | 1,100 | <2.5 | <1.4 | |
| VB-0854C | 6/1/2015 | | 15654325.42 | 1399110.87 | 634.0 | Y30 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-0855C | 6/1/2015 | | 15654315.42 | 1399110.62 | 634.0 | Y31 | base | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VB-0856C | 6/1/2015 | | 15654305.42 | 1399110.36 | 633.0 | Y32 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-0857C | 6/1/2015 | | 15654324.91 | 1399130.86 | 633.0 | AA30 | base | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VB-0858C | 6/1/2015 | | 15654304.91 | 1399130.36 | 633.0 | AA32 | base | <0.50 | 0.77 | <0.50 | <0.27 | 0.77 |
| VW-0859C | 6/1/2015 | on-Site (west re-location area) | 15654301.02 | 1398892.18 | 641.0 | C33 | sidewall | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additiona soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VB-0860C | 6/2/2015 | on-Site (central portion of former building footprint) | 15654366.17 | 1399081.90 | 634.0 | V26 | base | <0.48 | <0.57 | <0.48 | <0.26 | <0.26 |
| VB-0861C | 6/2/2015 | | 15654356.17 | 1399081.64 | 634.0 | V27 | base | <0.49 | 4.8 | <0.49 | <0.27 | 4.8 |
| VB-0862C | 6/2/2015 | | 15654346.17 | 1399081.39 | 634.0 | V28 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-0863C | 6/2/2015 | | 15654375.65 | 1399102.15 | 634.0 | X25 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-0864C | 6/2/2015 | | 15654365.66 | 1399101.89 | 634.0 | X26 | base | <0.52 | 3.3 | <0.52 | <0.28 | 3.3 |
| VB-0865C | 6/2/2015 | | 15654355.66 | 1399101.64 | 632.0 | X27 | base | <0.52 | <0.63 | <0.52 | <0.29 | <0.29 |
| VB-0866C | 6/2/2015 | | 15654375.40 | 1399112.14 | 632.0 | Y25 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-0867C | 6/2/2015 | | 15654365.40 | 1399111.89 | 632.0 | Y26 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-0868C | 6/2/2015 | | 15654355.41 | 1399111.63 | 632.0 | Y27 | base | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VB-0869C | 6/2/2015 | | 15654375.15 | 1399122.14 | 632.0 | Z25 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-0870C | 6/2/2015 | | 15654365.15 | 1399121.89 | 632.0 | Z26 | base | <0.52 | 260 | <0.52 | <0.29 | 260 [3] |
| VB-0871C | 6/2/2015 | | 15654355.15 | 1399121.63 | 632.3 | Z27 | base | <0.52 | <0.63 | <0.52 | <0.29 | <0.29 |
| VB-0872C | 6/2/2015 | | 15654345.16 | 1399121.38 | 632.3 | Z28 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-0873C | 6/2/2015 | | 15654335.16 | 1399121.12 | 632.0 | Z29 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-0874C | 6/2/2015 | | 15654374.89 | 1399132.14 | 632.0 | AA25 | base | <0.49 | 29 | <0.49 | <0.27 | 29 |
| VB-0875C | 6/2/2015 | | 15654364.89 | 1399131.88 | 632.0 | AA26 | base | <5.1 | 1,800 | <5.1 | <2.8 | 1,800 [3] |
| VB-0876C | 6/2/2015 | | 15654354.90 | 1399131.63 | 629.0 | AA27 | base | <0.50 | 1.1 | <0.50 | <0.27 | 1.1 |
| VB-0877C | 6/2/2015 | | 15654374.64 | 1399142.13 | 632.0 | BB25 | base | <0.48 | 33 | <0.48 | <0.26 | 33 |
| VB-0878C | 6/2/2015 | | 15654364.64 | 1399141.88 | 632.0 | BB26 | base | <0.48 | 290 | <0.48 | <0.26 | 290 [3] |
| VB-0879C | 6/2/2015 | | 15654354.64 | 1399141.62 | 632.0 | BB27 | base | <5.0 | 2,400 | <5.0 | <2.8 | 2,400 [3] |
| VW-0880C | 6/2/2015 | | 15654375.33 | 1399080.32 | 638.5 | V25 | sidewall | <0.50 | 240 | <0.50 | <0.27 | 240 [3] |
| VW-0881C | 6/2/2015 | | 15654366.42 | 1399075.40 | 638.5 | U26 | sidewall | <0.50 | 240 | <0.50 | <0.28 | 400 [3] |
| VW-5881C* | 6/2/2015 | | 15654366.42 | 1399075.40 | 638.5 | U26 | sidewall | <0.50 | 400 | <0.50 | <0.27 | |
| VW-0882C | 6/2/2015 | | 15654383.91 | 1399094.15 | 637.0 | W25-N | sidewall | <0.50 | <0.61 | <0.50 | <0.27 | <0.27 |
| VW-0883C | 6/2/2015 | | 15654377.91 | 1399087.15 | 637.0 | W25-W | sidewall | <0.50 | 280 | <0.50 | <0.27 | 280 [3] |
| VW-0884C | 6/2/2015 | | 15654382.65 | 1399102.15 | 637.0 | X25-N | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VW-0885C | 6/2/2015 | | 15654383.40 | 1399112.14 | 636.0 | Y25-N | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VW-0886C | 6/2/2015 | | 15654381.65 | 1399122.14 | 637.0 | Z25-N | sidewall | <4.9 | 1,000 | <4.9 | <2.7 | 1,000 [3] |
| VW-5886C* | 6/2/2015 | | 15654381.65 | 1399122.14 | 637.0 | Z25-N | sidewall | <0.49 | 360 | <0.49 | <0.27 | |
| VW-0887C | 6/2/2015 | | 15654379.89 | 1399132.14 | 637.0 | AA25-N | sidewall | <5.1 | 1,500 | <5.1 | <2.8 | 1,500 [3] |
| VW-0888C | 6/2/2015 | | 15654381.64 | 1399142.13 | 637.0 | BB25-N | sidewall | <2.4 | 750 | <2.4 | <1.3 | 750 [3] |
| VW-0889C | 6/2/2015 | | 15654379.38 | 1399152.13 | 637.0 | CC25-N | sidewall | <0.49 | 69 | <0.49 | <0.27 | 69 |
| VB-0890C | 6/2/2015 | | 15654374.38 | 1399152.13 | 632.0 | CC25 | base | <4.9 | 1,000 | <4.9 | <2.7 | 1,000 [3] |
| VB-0891C | 6/2/2015 | | 15654364.39 | 1399151.88 | 632.5 | CC26 | base | <4.9 | 1,200 | <4.9 | <2.7 | 1,200 [3] |
| VB-0892C | 6/2/2015 | | 15654354.39 | 1399151.62 | 632.5 | CC27 | base | <0.50 | 37 | <0.50 | <0.27 | 37 |
| VB-0893C | 6/2/2015 | | 15654374.13 | 1399162.13 | 633.0 | DD25 | base | <0.51 | 0.75 | <0.51 | <0.28 | 0.75 |
| VB-0894C | 6/2/2015 | | 15654364.13 | 1399161.87 | 633.0 | DD26 | base | <0.49 | 5.2 | <0.49 | <0.27 | 5.2 |
| VB-0895C | 6/2/2015 | | 15654373.87 | 1399172.12 | 632.0 | EE25 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-0896C | 6/2/2015 | | 15654363.88 | 1399171.87 | 633.0 | EE26 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-0897C | 6/2/2015 | | 15654353.88 | 1399171.61 | 633.0 | EE27 | base | <0.49 | <0.60 | <0.49 | <0.27 | <0.27 |
| VB-0898C | 6/3/2015 | on-Site (sewer lateral area along northeast side of former building footprint) | 15654372.86 | 1399207.11 | 630.0 | II25-W | base | <0.0098 | 0.021 | <0.0098 | <0.0053 | 0.021 |
| VB-0918C | 6/3/2015 | on-Site (west-central portion of former building footprint) | 15654334.94 | 1399054.14 | 640.0 | S29-E | base | <0.54 | <0.65 | <0.54 | <0.29 | <0.29 |
| VB-0919C | 6/3/2015 | | 15654333.44 | 1399048.14 | 640.0 | S29-S | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-0920C | 6/3/2015 | | 15654344.93 | 1399054.40 | 640.0 | S28-E | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-0921C | 6/3/2015 | | 15654345.19 | 1399046.40 | 640.0 | R28-E | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VW-0922C | 6/3/2015 | | 15654328.94 | 1399055.89 | 641.5 | S30-E | sidewall | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VW-0923C | 6/3/2015 | on-Site (west-central portion of former building footprint) | 15654328.94 | 1399045.89 | 641.5 | S30-W | sidewall | <0.52 | <0.63 | <0.52 | <0.29 | <0.29 |
| VW-0924C | 6/3/2015 | | 15654351.93 | 1399056.40 | 641.5 | S28-N | sidewall | <0.51 | 9.4 | <0.51 | <0.28 | 9.4 |
| VW-0925C | 6/3/2015 | | 15654353.69 | 1399046.40 | 641.5 | R28-N | sidewall | <0.51 | 4.6 | <0.51 | <0.28 | 4.6 |
| VW-0926C | 6/3/2015 | | 15654334.69 | 1399042.15 | 641.5 | R29 | sidewall | <0.51 | 22 | <0.51 | <0.28 | 22 |
| VW-0927C | 6/3/2015 | | 15654345.19 | 1399042.40 | 641.5 | R28 | sidewall | <0.50 | <0.61 | <0.50 | <0.27 | <0.27 |
| VB-0928C | 6/3/2015 | on-Site (southeast portion of former building footprint) | 15654203.93 | 1399167.80 | 635.0 | EE42 | base | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VW-0929C | 6/3/2015 | | 15654199.93 | 1399167.80 | 639.0 | EE42-S | sidewall | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VW-0930C | 6/3/2015 | | 15654203.93 | 1399162.80 | 639.0 | EE42-W | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-0931C | 6/3/2015 | | 15654203.67 | 1399177.80 | 634.0 | FF42 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-0932C | 6/3/2015 | | 15654213.42 | 1399188.05 | 631.7 | GG41 | base | <0.50 | <0.61 | <0.50 | <0.27 | <0.27 |
| VB-0933C | 6/3/2015 | | 15654203.42 | 1399187.79 | 634.5 | GG42 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-0934C | 6/3/2015 | | 15654223.16 | 1399198.30 | 632.5 | HH40 | base | <0.49 | <0.58 | <0.49 | <0.26 | <0.26 |
| VB-0935C | 6/3/2015 | | 15654213.16 | 1399198.05 | 633.0 | HH41 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VW-0936C | 6/3/2015 | | 15654213.16 | 1399203.05 | 635.0 | HH41-E | sidewall | <0.50 | <0.61 | <0.50 | <0.28 | <0.28 |
| VW-0937C | 6/3/2015 | | 15654203.17 | 1399202.79 | 636.0 | HH42-E | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-0938C | 6/3/2015 | | 15654203.17 | 1399197.79 | 638.0 | HH42 | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | 0.63 |
| VB-5938C* | 6/3/2015 | | 15654203.17 | 1399197.79 | 638.0 | HH42 | sidewall | <0.50 | 0.63 | <0.50 | <0.27 | |
| VB-0939C | 6/3/2015 | | 15654222.91 | 1399205.80 | 632.5 | II40 | base | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VW-0940C | 6/3/2015 | | 15654222.91 | 1399208.30 | 635.0 | II40 | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-0941C | 6/3/2015 | | 15654217.91 | 1399205.80 | 635.0 | II40-S | sidewall | <0.52 | 1.3 | <0.52 | <0.28 | 1.3 |
| VB-0942C | 6/3/2015 | | 15654223.41 | 1399188.30 | 631.5 | GG40 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-0943C | 6/4/2015 | on-Site (north-central) | 15654558.86 | 1399076.73 | 642.0 | U7 | base | <0.54 | <0.66 | <0.54 | <0.30 | <0.30 |
| VW-0944C | 6/4/2015 | | 15654556.36 | 1399076.73 | 643.5 | U7 | sidewall | <0.56 | <0.67 | <0.56 | <0.30 | <0.30 |
| VW-0945C | 6/4/2015 | | 15654561.36 | 1399076.73 | 643.5 | U7-N | sidewall | <0.54 | <0.66 | <0.54 | <0.30 | <0.30 |
| VW-0946C | 6/4/2015 | | 15654558.86 | 1399081.73 | 643.5 | U7-E | sidewall | <0.55 | <0.66 | <0.55 | <0.30 | <0.30 |
| VB-0947C | 6/4/2015 | on-Site (north side of former building footprint) | 15654455.63 | 1399104.18 | 638.0 | X17 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-0948C | 6/4/2015 | | 15654455.37 | 1399112.18 | 638.0 | Y17 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-0949C | 6/4/2015 | | 15654450.63 | 1399104.18 | 639.0 | X17-S | south wall | <0.51 | 0.77 | <0.51 | <0.28 | 0.77 |
| VW-0950C | 6/4/2015 | | 15654455.37 | 1399114.18 | 639.0 | Y17 | east wall | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VW-0951C | 6/4/2015 | | 15654468.63 | 1399104.43 | 639.0 | X16-N | west wall | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VW-0952C | 6/4/2015 | | 15654465.63 | 1399100.93 | 639.0 | X16-W | west wall | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VW-0953C | 6/4/2015 | | 15654455.63 | 1399100.18 | 639.0 | X17-W | west wall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-0954C | 6/4/2015 | | 15654465.37 | 1399111.93 | 638.0 | Y16 | base | <0.51 | 0.63 | <0.51 | <0.28 | 0.63 |
| VW-0955C | 6/4/2015 | | 15654465.37 | 1399114.43 | 639.0 | Y16 | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-0956C | 6/4/2015 | | 15654465.63 | 1399104.43 | 638.0 | X16 | sidewall | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VW-0957C | 6/4/2015 | | 15654450.37 | 1399112.18 | 639.0 | Y17-S | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-5957C* | 6/4/2015 | | 15654450.37 | 1399112.18 | 639.0 | Y17-S | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | |
| VB-0958C | 6/5/2015 | on-Site (north-central portion of former building footprint) | 15654406.66 | 1399062.92 | 641.5 | T22 | base | <0.51 | 36 | <0.51 | 9.1 | 45.1 [2] |
| VB-0959C | 6/5/2015 | | 15654416.66 | 1399063.18 | 641.5 | T21 | base | <0.53 | 1.6 | <0.53 | 2.3 | 3.9 |
| VB-0960C | 6/5/2015 | | 15654426.66 | 1399063.43 | 641.5 | T20 | base | <0.52 | 43 | <0.52 | 12 | 55 [2] |
| VB-0961C | 6/5/2015 | | 15654395.90 | 1399092.66 | 641.5 | W23 | base | <0.48 | 340 | <0.48 | <0.26 | 340 [3] |
| VB-0962C | 6/5/2015 | | 15654396.66 | 1399062.67 | 641.5 | T23 | base | <0.51 | 0.82 | <0.51 | <0.28 | 0.82 |
| VB-0963C | 6/5/2015 | | 15654396.41 | 1399072.66 | 641.5 | U23 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-0964C | 6/5/2015 | | 15654402.89 | 1399112.91 | 640.0 | Y22 | base | <0.52 | 2.1 | <0.52 | <0.28 | 2.1 |
| VB-0965C | 6/5/2015 | | 15654403.14 | 1399102.91 | 640.0 | X22 | base | <0.52 | 4.9 | <0.52 | 1.8 | 6.7 |
| VB-0966C | 6/5/2015 | | 15654406.41 | 1399072.92 | 641.5 | U22 | base | <0.52 | 0.86 | <0.52 | <0.28 | 0.86 |
| VB-0967C | 6/5/2015 | | 15654396.16 | 1399082.66 | 641.5 | V23 | base | <0.52 | 59 | <0.52 | <0.29 | 59 |
| VB-0968C | 6/5/2015 | | 15654427.16 | 1399043.44 | 642.0 | R20 | base | <0.50 | <0.61 | <0.50 | <0.28 | <0.28 |
| VB-0969C | 6/5/2015 | | 15654426.91 | 1399053.43 | 642.0 | S20 | base | <0.51 | 1.5 | <0.51 | <0.28 | 1.5 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VB-0970C | 6/5/2015 | on-Site (north-central portion of former building footprint) | 15654417.17 | 1399043.18 | 642.0 | R21 | base | <0.50 | <0.61 | <0.50 | <0.28 | <0.28 |
| VB-0971C | 6/5/2015 | | 15654397.17 | 1399042.67 | 642.0 | R23 | base | <0.51 | 7.1 | <0.51 | <0.28 | 7.1 |
| VB-0972C | 6/5/2015 | | 15654406.92 | 1399052.92 | 642.0 | S22 | base | <0.51 | 0.63 | <0.51 | <0.28 | 0.63 |
| VB-0973C | 6/5/2015 | | 15654407.17 | 1399042.93 | 642.0 | R22 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-0974C | 6/5/2015 | | 15654396.92 | 1399052.67 | 642.0 | S23 | base | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VB-0975C | 6/5/2015 | | 15654416.91 | 1399053.18 | 642.0 | S21 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VW-0976C | 6/5/2015 | | 15654417.17 | 1399040.68 | 643.0 | R21-W | sidewall | <0.53 | 4.0 | <0.53 | <0.29 | 4.0 |
| VW-0977C | 6/5/2015 | | 15654427.16 | 1399042.44 | 643.0 | R20-W | sidewall | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |
| VW-0978C | 6/5/2015 | | 15654398.90 | 1399092.66 | 642.0 | W23-N | sidewall | <0.48 | 350 | <0.48 | <0.26 | 350 [3] |
| VW-0979C | 6/5/2015 | | 15654419.66 | 1399068.18 | 643.0 | T21-E | sidewall | <0.49 | 270 | <0.49 | <0.27 | 270 [3] |
| VW-0980C | 6/5/2015 | | 15654404.39 | 1399112.91 | 641.0 | Y22 | sidewall | <5.1 | 1,400 | <5.1 | <2.8 | 1,700 [3] |
| VW-5980C* | 6/5/2015 | | 15654404.39 | 1399112.91 | 641.0 | Y22 | sidewall | <5.0 | 1,700 | <5.0 | <2.7 | |
| VW-0981C | 6/5/2015 | | 15654405.64 | 1399104.91 | 641.0 | X22-E | sidewall | <2.0 | 480 | <2.0 | <1.1 | 480 [3] |
| VW-0982C | 6/5/2015 | | 15654402.14 | 1399119.90 | 641.0 | Z22-W | sidewall | <0.51 | 5.7 | <0.51 | 1.2 | 6.9 |
| VW-0983C | 6/5/2015 | | 15654409.41 | 1399074.42 | 642.0 | U22-N | sidewall | <0.50 | 65 | <0.50 | 15 | 80 |
| VW-0984C | 6/5/2015 | | 15654404.14 | 1399102.91 | 641.0 | X22 | sidewall | <2.1 | 630 | <2.1 | 500 | 1,130 [3] |
| VW-0985C | 6/5/2015 | | 15654395.14 | 1399119.65 | 641.5 | Z23-W | sidewall | <0.54 | 16 | <0.54 | 5.0 | 21 |
| VW-0986C | 6/5/2015 | | 15654426.66 | 1399066.43 | 642.0 | T20-E | sidewall | <0.51 | 39 | <0.51 | 10 | 49 |
| VW-0987C | 6/5/2015 | | 15654405.15 | 1399082.91 | 642.0 | V22 | sidewall | <0.49 | 350 | <0.49 | 87 | 437 [3] |
| VB-0993C | 6/5/2015 | on-Site (central portion of former building footprint) | 15654305.68 | 1399100.37 | 631.0 | X32 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VW-0994C | 6/5/2015 | | 15654310.68 | 1399100.37 | 632.0 | X32-N | sidewall | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VW-0995C | 6/5/2015 | | 15654300.68 | 1399100.37 | 632.0 | X32-S | sidewall | <0.51 | 2.0 | <0.51 | <0.28 | 2.0 |
| VW-0996C | 6/5/2015 | | 15654305.68 | 1399105.37 | 632.0 | X32-E | sidewall | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VW-0997C | 6/5/2015 | | 15654305.68 | 1399095.37 | 632.0 | X32-W | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-0998C | 6/5/2015 | | 15654315.16 | 1399120.61 | 629.5 | Z31 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VW-0999C | 6/5/2015 | | 15654315.16 | 1399115.61 | 631.0 | Z31-W | sidewall | <0.52 | <0.63 | <0.52 | <0.29 | <0.29 |
| VW-1000C | 6/5/2015 | | 15654310.16 | 1399120.61 | 631.0 | Z31-S | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-1001C | 6/5/2015 | | 15654320.16 | 1399120.61 | 631.0 | Z31-N | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-1002C | 6/5/2015 | | 15654310.16 | 1399120.61 | 631.0 | Z31-S | sidewall | <0.50 | <0.61 | <0.50 | <0.27 | <0.27 |
| VB-1003C | 6/5/2015 | | 15654365.15 | 1399121.89 | 630.0 | Z26 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-1004C | 6/5/2015 | | 15654364.89 | 1399131.88 | 630.0 | AA26 | base | <0.52 | 0.65 | <0.52 | <0.28 | 0.65 |
| VB-1005C | 6/5/2015 | | 15654364.64 | 1399141.88 | 630.0 | BB26 | base | <0.51 | 65 | <0.51 | <0.28 | 65 |
| VB-1006C | 6/5/2015 | | 15654364.39 | 1399151.88 | 630.0 | CC26 | base | <0.52 | 46 | <0.52 | <0.28 | 46 |
| VB-1007C | 6/5/2015 | | 15654354.64 | 1399141.62 | 630.0 | BB27 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-1008C | 6/5/2015 | | 15654345.66 | 1399101.38 | 631.0 | X28 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-51008C* | 6/5/2015 | | 15654345.66 | 1399101.38 | 631.0 | X28 | base | <0.48 | <0.58 | <0.48 | <0.26 | |
| VB-1009C | 6/5/2015 | | 15654345.41 | 1399111.38 | 631.0 | Y28 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VW-1010C | 6/5/2015 | | 15654350.66 | 1399101.38 | 630.0 | X28-N | sidewall | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VW-1011C | 6/5/2015 | | 15654340.66 | 1399101.38 | 630.0 | X28-S | sidewall | <0.50 | <0.61 | <0.50 | <0.27 | <0.27 |
| VW-1012C | 6/5/2015 | | 15654345.66 | 1399096.38 | 630.0 | X28-W | sidewall | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VW-1013C | 6/5/2015 | | 15654350.41 | 1399111.38 | 630.0 | Y28-N | sidewall | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VW-1014C | 6/5/2015 | | 15654340.41 | 1399111.38 | 630.0 | Y28-S | sidewall | <0.54 | 3.0 | <0.54 | <0.29 | 3.0 |
| VW-1015C | 6/5/2015 | | 15654345.41 | 1399116.38 | 630.0 | Y28-E | sidewall | <0.54 | <0.65 | <0.54 | <0.30 | <0.30 |
| VW-1016C | 6/5/2015 | | 15654372.15 | 1399121.89 | 631.0 | Z26-N | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VW-1017C | 6/5/2015 | | 15654365.15 | 1399116.89 | 631.0 | Z26-W | sidewall | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VW-1018C | 6/5/2015 | | 15654360.15 | 1399121.89 | 631.0 | Z26-S | sidewall | <0.50 | 18 | <0.50 | <0.27 | 18 |
| VW-1019C | 6/5/2015 | | 15654371.89 | 1399131.88 | 631.0 | AA26-N | sidewall | <0.52 | 1.4 | <0.52 | <0.29 | 1.4 |
| VW-1020C | 6/5/2015 | | 15654354.64 | 1399136.62 | 631.0 | BB27-W | sidewall | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VW-1021C | 6/5/2015 | | 15654359.89 | 1399131.88 | 631.0 | AA26-S | sidewall | <0.53 | 14 | <0.53 | <0.29 | 14 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers

* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table

** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VW-1022C | 6/5/2015 | on-Site (central portion of former building footprint) | 15654354.64 | 1399146.62 | 631.0 | BB27-E | sidewall | <0.50 | 0.66 | <0.50 | <0.27 | 0.66 |
| VW-1023C | 6/5/2015 | | 15654371.64 | 1399141.88 | 631.0 | BB26-N | sidewall | <0.51 | 16 | <0.51 | <0.28 | 16 |
| VW-1024C | 6/5/2015 | | 15654371.39 | 1399151.88 | 631.0 | CC26-N | sidewall | <0.49 | 44 | <0.49 | <0.27 | 44 |
| VW-1025C | 6/5/2015 | | 15654359.39 | 1399151.88 | 631.0 | CC26-S | sidewall | <2.5 | 950 | <2.5 | <1.3 | 950 [3] |
| VW-1026C | 6/5/2015 | | 15654364.39 | 1399155.88 | 631.0 | CC26-E | sidewall | <1.9 | 540 | <1.9 | <1.0 | 540 [3] |
| VB-1028C | 6/8/2015 | | 15654385.14 | 1399122.39 | 632.0 | Z24 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-1029C | 6/8/2015 | | 15654384.89 | 1399132.39 | 632.0 | AA24 | base | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VB-1030C | 6/8/2015 | | 15654384.63 | 1399142.39 | 632.0 | BB24 | base | <0.49 | 1.2 | <0.49 | <0.27 | 1.2 |
| VB-1031C | 6/8/2015 | | 15654383.87 | 1399172.38 | 632.0 | EE24 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VW-1032C | 6/8/2015 | | 15654385.14 | 1399117.39 | 636.0 | Z24-W | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-1033C | 6/8/2015 | | 15654390.14 | 1399122.39 | 636.0 | Z24-N | sidewall | <0.51 | 6.0 | <0.51 | <0.28 | 6.0 |
| VW-1034C | 6/8/2015 | | 15654389.89 | 1399132.39 | 636.0 | AA24-N | sidewall | <0.49 | 14 | <0.49 | <0.27 | 14 |
| VW-1035C | 6/8/2015 | | 15654389.63 | 1399142.39 | 636.0 | BB24-N | sidewall | <0.49 | 430 | <0.49 | <0.27 | 430 [3] |
| VW-1036C | 6/8/2015 | | 15654384.63 | 1399147.39 | 636.0 | BB24-E | sidewall | <4.9 | 1,100 | <4.9 | <2.7 | 1,100 [3] |
| VB-1037C | 6/9/2015 | on-Site (south-central portion of former building footprint) | 15654316.44 | 1399070.63 | 634.0 | U31 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-1038C | 6/9/2015 | | 15654336.43 | 1399071.14 | 634.0 | U29 | base | <0.48 | <0.57 | <0.48 | <0.26 | <0.26 |
| VB-1039C | 6/9/2015 | | 15654326.43 | 1399070.88 | 633.5 | U30 | base | <0.47 | <0.57 | <0.47 | <0.26 | <0.26 |
| VB-1040C | 6/9/2015 | | 15654336.68 | 1399061.14 | 634.0 | T29 | base | <0.47 | <0.57 | <0.47 | <0.26 | <0.26 |
| VB-1041C | 6/9/2015 | | 15654346.68 | 1399061.40 | 634.0 | T28 | base | <0.47 | <0.57 | <0.47 | <0.26 | <0.26 |
| VB-1042C | 6/9/2015 | | 15654346.43 | 1399071.39 | 634.0 | U28 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-1043C | 6/9/2015 | | 15654356.42 | 1399071.65 | 634.0 | U27 | base | <0.48 | <0.57 | <0.48 | <0.26 | <0.26 |
| VB-1044C | 6/9/2015 | | 15654362.92 | 1399075.40 | 634.0 | U26 | base | <0.48 | 6.6 | <0.48 | <0.26 | 6.6 |
| VB-1045C | 6/9/2015 | | 15654285.94 | 1399089.86 | 639.0 | W34 | base | <2.7 | 830 | <2.7 | <1.5 | 830 [3] |
| VB-1046C | 6/9/2015 | | 15654275.94 | 1399089.61 | 639.0 | W35 | base | <2.0 | 520 | <2.0 | <1.1 | 520 [3] |
| VB-1047C | 6/9/2015 | | 15654306.44 | 1399070.38 | 633.0 | U32 | base | <0.47 | <0.57 | <0.47 | <0.26 | <0.26 |
| VW-1048C | 6/9/2015 | | 15654358.42 | 1399069.15 | 637.0 | U27-W | sidewall | <1.9 | 480 | <1.9 | <1.0 | 480 [3] |
| VW-51048C* | 6/9/2015 | | 15654358.42 | 1399069.15 | 637.0 | U27-W | sidewall | <0.49 | 340 | <0.49 | <0.27 | |
| VW-1049C | 6/9/2015 | | 15654336.68 | 1399058.14 | 637.0 | T29 | sidewall | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VW-1050C | 6/9/2015 | | 15654346.68 | 1399059.40 | 637.0 | T28 | sidewall | <0.50 | 44 | <0.50 | <0.27 | 44 |
| VW-1051C | 6/9/2015 | | 15654308.44 | 1399068.38 | 637.0 | U32 | sidewall | <0.51 | 100 | <0.51 | <0.28 | 100 [3] |
| VW-1052C | 6/9/2015 | | 15654296.19 | 1399080.12 | 639.0 | V33 | sidewall | <2.1 | 510 | <2.1 | <1.1 | 510 [3] |
| VW-1053C | 6/9/2015 | | 15654275.94 | 1399084.61 | 639.5 | W35-W | sidewall | <0.52 | 400 | <0.52 | <0.29 | 400 [3] |
| VW-1054C | 6/9/2015 | | 15654275.94 | 1399094.61 | 637.0 | W35-E | sidewall | <0.53 | 1.4 | <0.53 | <0.29 | 1.4 |
| VW-1055C | 6/9/2015 | | 15654285.94 | 1399084.86 | 639.5 | W34-W | sidewall | <2.1 | 570 | <2.1 | <1.1 | 570 [3] |
| VW-1056C | 6/9/2015 | | 15654306.44 | 1399065.38 | 637.0 | U32-W | sidewall | <0.50 | 3.7 | <0.50 | <0.27 | 3.7 |
| VW-1057C | 6/9/2015 | | 15654285.94 | 1399094.86 | 637.0 | W34-E | sidewall | <0.53 | 11 | <0.53 | <0.29 | 11 |
| VW-1058C | 6/9/2015 | | 15654316.44 | 1399066.63 | 637.0 | U31-W | sidewall | <0.50 | 33 | <0.50 | <0.27 | 33 |
| VW-1059C | 6/9/2015 | | 15654323.43 | 1399067.88 | 637.0 | U30-W | sidewall | <0.52 | 1.3 | <0.52 | <0.28 | 1.3 |
| VW-1060C | 6/9/2015 | | 15654364.42 | 1399073.90 | 637.0 | U26 | sidewall | <0.49 | 48 | <0.49 | <0.27 | 48 |
| VW-1063C | 6/9/2015 | on-Site (north-central re-location area) | 15654541.36 | 1399076.48 | 642.5 | U8-S | sidewall | <0.58 | 9.7 | <0.58 | <0.32 | 9.7 |
| VW-1064C | 6/9/2015 | | 15654546.36 | 1399081.48 | 642.5 | U8-E | sidewall | <0.51 | 1.8 | <0.51 | <0.28 | 1.8 |
| VB-1065C | 6/9/2015 | | 15654546.36 | 1399076.48 | 641.5 | U8 | base | <0.50 | 1.5 | <0.50 | <0.28 | 1.5 |
| VB-1066C | 6/10/2015 | on-Site (north-central portion of former building footprint) | 15654426.66 | 1399063.43 | 640.0 | T20 | base | <0.49 | 4.4 | <0.49 | <0.27 | 4.4 |
| VB-1067C | 6/10/2015 | | 15654406.66 | 1399062.92 | 640.0 | T22 | base | <0.50 | 4.8 | <0.50 | <0.27 | 4.8 |
| VB-1068C | 6/10/2015 | | 15654405.64 | 1399102.91 | 640.0 | X22 | base | <0.52 | 1.8 | <0.52 | <0.28 | 3.1 |
| VB-51068C* | 6/10/2015 | | 15654405.64 | 1399102.91 | 640.0 | X22 | base | <0.52 | 3.1 | <0.52 | <0.29 | |
| VB-1069C | 6/10/2015 | | 15654405.90 | 1399092.91 | 638.7 | W22 | base | <0.52 | 250 | <0.52 | <0.28 | 250 [3] |
| VB-1070C | 6/10/2015 | | 15654406.15 | 1399082.91 | 638.7 | V22 | base | <0.50 | 250 | <0.50 | <0.27 | 250 [3] |
| VB-1071C | 6/10/2015 | | 15654395.90 | 1399092.66 | 638.7 | W23 | base | <0.51 | 82 | <0.51 | 11 | 93 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** | | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| | | | NORTHING | EASTING | | | | | | | | |
| VB-1072C | 6/10/2015 | on-Site (north-central portion of former building footprint) | 15654396.16 | 1399082.66 | 638.7 | V23 | base | <0.52 | 170 | <0.52 | 51 | 221 [3] |
| VW-1073C | 6/10/2015 | | 15654413.15 | 1399082.91 | 639.7 | V22-N | sidewall | <0.49 | 300 | <0.49 | 35 | 335 [3] |
| VW-1074C | 6/10/2015 | | 15654406.66 | 1399069.92 | 641.0 | T22-E | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-1075C | 6/10/2015 | | 15654426.66 | 1399057.43 | 641.0 | T20-W | sidewall | <0.50 | 11 | <0.50 | <0.27 | 11 |
| VW-1076C | 6/10/2015 | | 15654426.66 | 1399068.43 | 641.0 | T20-E | sidewall | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |
| VW-1077C | 6/10/2015 | | 15654406.66 | 1399056.92 | 641.0 | T22-W | sidewall | <0.50 | <0.61 | <0.50 | <0.27 | <0.27 |
| VW-1078C | 6/10/2015 | | 15654401.66 | 1399062.92 | 641.0 | T22-S | sidewall | <0.50 | 8.8 | <0.50 | 2.4 | 11.2 |
| VW-1079C | 6/10/2015 | | 15654410.64 | 1399102.91 | 641.0 | X22-N | sidewall | <0.50 | 140 | <0.50 | 13 | 153 [3] |
| VW-1080C | 6/10/2015 | | 15654396.16 | 1399077.66 | 640.0 | V23-W | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VW-1081C | 6/10/2015 | | 15654405.90 | 1399097.91 | 639.5 | W22-E | sidewall | <0.51 | 9.9 | <0.51 | 2.0 | 11.9 |
| VW-1082C | 6/10/2015 | | 15654391.16 | 1399082.66 | 640.0 | V23-S | sidewall | <0.51 | 140 | <0.51 | <0.28 | 140 [3] |
| VW-1083C | 6/10/2015 | | 15654406.15 | 1399077.91 | 640.0 | V22-W | sidewall | <0.51 | 37 | <0.51 | 8.6 | 45.6 |
| VW-1084C | 6/10/2015 | | 15654390.90 | 1399092.66 | 639.5 | W23-S | sidewall | <2.5 | 500 | <2.5 | <1.4 | 500 [3] |
| VW-1085C | 6/10/2015 | | 15654395.90 | 1399097.66 | 639.5 | W23-E | sidewall | <0.50 | 36 | <0.50 | 5.0 | 41 |
| VW-1086C | 6/10/2015 | | 15654410.90 | 1399092.91 | 640.0 | W22-N | sidewall | <0.49 | 56 | <0.49 | <0.27 | 56 |
| VB-1087C | 6/10/2015 | on-Site (west re-location area) | 15654381.21 | 1398962.19 | 643.5 | J25 | base | <0.0097 | 0.41 | <0.0097 | 0.087 | 0.497 |
| VB-1088C | 6/10/2015 | | 15654389.46 | 1398952.45 | 643.5 | I24 | base | <0.0097 | 0.046 | <0.0097 | <0.0053 | 0.046 |
| VB-1089C | 6/10/2015 | | 15654389.72 | 1398944.45 | 643.5 | H24 | base | <0.0098 | <0.012 | <0.0098 | <0.0053 | <0.0053 |
| VB-1090C | 6/10/2015 | | 15654381.72 | 1398944.20 | 643.5 | H25 | base | <0.0098 | <0.012 | <0.0098 | <0.0053 | <0.0053 |
| VB-1091C | 6/10/2015 | | 15654399.46 | 1398952.70 | 643.5 | I23 | base | <0.0098 | 0.061 | <0.0098 | <0.0053 | 0.061 |
| VB-1092C | 6/10/2015 | | 15654399.72 | 1398944.71 | 643.5 | H23 | base | <0.0099 | 0.71 | <0.0099 | 0.15 | 0.86 [1] |
| VB-1093C | 6/10/2015 | | 15654389.21 | 1398962.44 | 643.5 | J24 | base | <0.0098 | 0.52 | <0.0098 | 0.17 | 0.69 |
| VB-51093C* | 6/10/2015 | | 15654389.21 | 1398962.44 | 643.5 | J24 | base | <0.0097 | 0.41 | <0.0097 | 0.13 | |
| VB-1094C | 6/10/2015 | | 15654381.47 | 1398952.19 | 643.5 | I25 | base | <0.0098 | <0.012 | <0.0098 | <0.0054 | <0.0054 |
| VB-1095C | 6/10/2015 | | 15654399.21 | 1398962.70 | 643.5 | J23 | base | <0.0097 | 0.42 | <0.0097 | 0.11 | 0.53 |
| VW-1096C | 6/10/2015 | | 15654382.22 | 1398940.20 | 645.0 | H25-W | sidewall | <0.0098 | <0.012 | <0.0098 | <0.0053 | <0.0053 |
| VW-1097C | 6/10/2015 | | 15654399.21 | 1398967.70 | 644.5 | J23-E | sidewall | <0.0097 | 0.42 | <0.0097 | 0.11 | 0.53 |
| VW-1098C | 6/10/2015 | | 15654379.21 | 1398967.19 | 644.0 | J25-E | sidewall | <0.0096 | <0.012 | <0.0096 | <0.0053 | <0.0053 |
| VW-1099C | 6/10/2015 | | 15654404.46 | 1398952.70 | 644.5 | I23-N | sidewall | <0.0097 | <0.012 | <0.0097 | <0.0053 | <0.0053 |
| VW-1100C | 6/10/2015 | | 15654404.72 | 1398945.21 | 644.5 | H23-N | sidewall | <0.0097 | 0.33 | <0.0097 | 0.17 | 0.50 |
| VW-1101C | 6/10/2015 | on-Site (west re-location area) | 15654405.21 | 1398962.70 | 644.0 | J23-N | sidewall | <0.0093 | 1.2 | <0.0093 | 0.34 | 1.54 [1] |
| VW-1102C | 6/10/2015 | | 15654378.72 | 1398944.70 | 644.5 | H25 | sidewall | <0.0098 | <0.012 | <0.0098 | <0.0053 | <0.0053 |
| VW-1103C | 6/10/2015 | | 15654379.47 | 1398952.19 | 644.0 | I25 | sidewall | <0.0098 | <0.012 | <0.0098 | <0.0053 | <0.0053 |
| VW-1104C | 6/10/2015 | | 15654378.21 | 1398962.19 | 644.0 | J25 | sidewall | <0.0097 | 1.0 | <0.0097 | 0.19 | 1.19 [1] |
| VW-1105C | 6/10/2015 | | 15654389.21 | 1398967.44 | 644.0 | J24-E | sidewall | <0.0097 | 0.48 | <0.0097 | 0.11 | 0.59 |
| VW-1106C | 6/10/2015 | | 15654389.72 | 1398942.45 | 644.5 | H24 | sidewall | <0.0098 | <0.012 | <0.0098 | <0.0053 | <0.0053 |
| VW-1107C | 6/10/2015 | | 15654399.72 | 1398942.71 | 644.5 | H23 | sidewall | <0.0097 | <0.012 | <0.0097 | <0.0053 | <0.0053 |
| VW-1108C | 6/10/2015 | on-Site (north portion of former building footprint) | 15654420.38 | 1399114.41 | 641.0 | Y20-S | sidewall | <0.46 | 88 | <0.46 | 28 | 116 [3] |
| VW-1109C | 6/10/2015 | | 15654420.38 | 1399114.41 | 638.0 | Y20-S | sidewall | <0.48 | 4.2 | <0.48 | <0.26 | 4.2 |
| VB-1110C | 6/10/2015 | | 15654420.38 | 1399118.41 | 636.5 | Y20-S | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-1111C | 6/10/2015 | | 15654425.38 | 1399118.41 | 639.5 | Y20-E | sidewall | <5.1 | 1,400 | <5.1 | 62 | 1,462 [3] |
| VB-1112C | 6/10/2015 | | 15654419.88 | 1399136.41 | 634.0 | AA20-S | base | <0.51 | 39 | <0.51 | 2.3 | 99.1 |
| VB-51112C* | 6/10/2015 | | 15654419.88 | 1399136.41 | 634.0 | AA20-S | base | <0.50 | 94 | <0.50 | 5.1 | |
| VB-1113C | 6/10/2015 | | 15654409.88 | 1399135.65 | 634.0 | AA21-S | base | <2.5 | 570 | <2.5 | 23 | 593 [3] |
| VW-1114C | 6/10/2015 | | 15654426.12 | 1399143.40 | 636.0 | BB20 | sidewall | <0.50 | 150 | <0.50 | 34 | 184 [3] |
| VB-1115C | 6/10/2015 | | 15654415.62 | 1399145.90 | 634.0 | BB20-S | base | <2.0 | 910 | <2.0 | <1.1 | 910 [3] |
| VW-1116C | 6/10/2015 | | 15654420.62 | 1399147.40 | 636.0 | BB20-E | sidewall | <2.1 | 52 | <2.1 | <1.1 | 52 |
| VW-1117C | 6/10/2015 | | 15654424.62 | 1399147.40 | 641.0 | BB20-E | sidewall | <7.9 | 2,700 | <7.9 | 400 | 3,100 [3] |
| VB-1118C | 6/10/2015 | | 15654409.62 | 1399145.65 | 634.0 | BB21-S | base | <2.0 | 510 | <2.0 | <1.1 | 510 [3] |

*Notes:*

shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location

[1] total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area)

[2] total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area)

[3] total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion)

refer to laboratory reports in Appendix 5 for data qualifiers

* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table

** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram

PCBs - polychlorinated biphenyls

VB - verification base sample

VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VW-1119C | 6/10/2015 | on-Site (north portion of former building footprint) | 15654406.63 | 1399144.40 | 641.0 | BB22 | sidewall | <1.9 | 240 | <1.9 | <1.0 | 240 [3] |
| VW-1120C | 6/10/2015 | | 15654406.63 | 1399144.40 | 636.0 | BB22 | sidewall | <2.1 | 22 | <2.1 | <1.2 | 22 |
| VW-1121C | 6/10/2015 | | 15654414.62 | 1399146.15 | 636.0 | BB21-E | sidewall | <2.0 | 21 | <2.0 | <1.1 | 21 |
| VW-1122C | 6/10/2015 | | 15654399.36 | 1399187.88 | 638.0 | GG22-W | sidewall | <2.1 | 3.2 | <2.1 | <1.2 | 3.2 |
| VW-1123C | 6/10/2015 | | 15654414.62 | 1399146.15 | 641.0 | BB21-E | sidewall | <1.9 | 84 | <1.9 | 12 | 96 |
| VW-1124C | 6/10/2015 | | 15654403.36 | 1399197.88 | 638.0 | GG22-E | sidewall | <1.9 | 660 | <1.9 | 150 | 810 [3] |
| VB-1125C | 6/10/2015 | | 15654403.36 | 1399192.88 | 635.5 | GG22 | base | <2.1 | 6.9 | <2.1 | <1.1 | 6.9 |
| VW-1126C | 6/10/2015 | | 15654393.36 | 1399187.63 | 638.0 | GG23-W | sidewall | <2.1 | 20 | <2.1 | <1.1 | 20 |
| VB-1127C | 6/10/2015 | | 15654383.36 | 1399192.37 | 635.5 | GG24 | sidewall | <2.0 | 370 | <2.0 | <1.1 | 370 [3] |
| VW-1128C | 6/10/2015 | | 15654383.36 | 1399197.37 | 638.0 | GG24-E | sidewall | <1.9 | 95 | <1.9 | <1.1 | 95 |
| VW-1129C | 6/10/2015 | | 15654393.36 | 1399197.63 | 638.0 | GG23-E | sidewall | <2.0 | 26 | <2.0 | <1.1 | 26 |
| VB-1130C | 6/10/2015 | | 15654393.36 | 1399192.63 | 635.5 | GG23 | base | <2.0 | 310 | <2.0 | <1.1 | 310 [3] |
| VW-1131C | 6/10/2015 | | 15654385.86 | 1399187.37 | 638.0 | GG24-W | sidewall | <2.0 | 80 | <2.0 | <1.1 | 80 |
| VB-1132C | 6/11/2015 | | 15654355.89 | 1399151.62 | 629.5 | CC27 | base | <0.54 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-1133C | 6/11/2015 | | 15654366.63 | 1399158.37 | 629.5 | DD26 | base | <0.51 | <0.63 | <0.53 | <0.29 | <0.29 |
| VW-1134C | 6/11/2015 | | 15654358.39 | 1399146.62 | 630.0 | CC27-W | sidewall | <0.53 | <0.65 | <0.54 | <0.29 | <0.29 |
| VW-1135C | 6/11/2015 | | 15654355.89 | 1399154.62 | 630.0 | CC27-E | sidewall | <0.54 | 3.8 | <0.54 | <0.29 | 3.8 |
| VW-1136C | 6/11/2015 | | 15654356.89 | 1399151.62 | 630.0 | CC27 | sidewall | <0.54 | 4.1 | <0.52 | <0.29 | 4.1 |
| VW-1137C | 6/11/2015 | | 15654366.13 | 1399155.87 | 630.0 | DD26 | sidewall | <0.52 | 99 | <0.51 | <0.28 | 99 |
| VW-1138C | 6/11/2015 | | 15654364.13 | 1399159.87 | 630.0 | DD26 | sidewall | <0.51 | 16 | <0.53 | <0.29 | 16 |
| VW-1139C | 6/11/2015 | | 15654359.13 | 1399158.37 | 630.0 | DD26-S | sidewall | <0.53 | 22 | <0.52 | <0.28 | 22 |
| VW-1140C | 6/11/2015 | on-Site (north-central re-location area) | 15654442.87 | 1399133.92 | 637.0 | AA18 | sidewall | <0.52 | <0.60 | <0.50 | <0.27 | <0.27 |
| VW-1141C | 6/11/2015 | | 15654443.12 | 1399123.92 | 637.0 | Z18 | sidewall | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VW-1142C | 6/11/2015 | | 15654432.13 | 1399123.66 | 637.0 | Z19-S | sidewall | <0.50 | 1.1 | <0.51 | <0.28 | 1.1 |
| VW-1143C | 6/11/2015 | | 15654436.62 | 1399143.66 | 637.0 | BB19 | sidewall | <0.51 | 15 | <0.51 | <0.28 | 15 |
| VW-1144C | 6/11/2015 | | 15654437.13 | 1399118.66 | 637.0 | Z19-W | sidewall | <0.51 | <0.61 | <0.50 | <0.28 | <0.28 |
| VW-1145C | 6/11/2015 | | 15654431.87 | 1399133.66 | 637.0 | AA19-S | sidewall | <0.50 | <0.63 | <0.53 | <0.29 | <0.29 |
| VW-51145C* | 6/11/2015 | | 15654431.87 | 1399133.66 | 637.0 | AA19-S | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | |
| VW-1146C | 6/11/2015 | | 15654431.62 | 1399143.66 | 637.0 | BB19-S | sidewall | <0.53 | 1.1 | <0.50 | <0.27 | 1.1 |
| VW-1147C | 6/11/2015 | | 15654441.11 | 1399143.91 | 637.0 | BB18-S | sidewall | <0.50 | 220 | <0.50 | 49 | 269 [3] |
| VW-1148C | 6/11/2015 | | 15654441.62 | 1399118.92 | 637.0 | Z18-W | sidewall | <0.50 | <0.61 | <0.50 | <0.27 | <0.27 |
| VW-1149C | 6/11/2015 | | 15654442.61 | 1399141.41 | 637.0 | BB18 | sidewall | <0.50 | <0.61 | <0.51 | <0.28 | <0.27 |
| VB-1150C | 6/11/2015 | | 15654434.62 | 1399141.16 | 635.0 | BB19 | base | <0.51 | <0.59 | <0.49 | <0.27 | <0.28 |
| VB-1151C | 6/11/2015 | on-Site (north-central re-location area) | 15654434.87 | 1399133.66 | 635.0 | AA19 | base | <0.49 | <0.62 | <0.52 | <0.28 | <0.27 |
| VB-1152C | 6/11/2015 | | 15654441.11 | 1399141.41 | 635.0 | BB18 | base | <0.52 | <0.59 | <0.49 | <0.27 | <0.28 |
| VB-1153C | 6/11/2015 | | 15654444.87 | 1399130.92 | 635.0 | AA18 | base | <0.49 | <0.63 | <0.52 | <0.28 | <0.27 |
| VB-1154C | 6/11/2015 | | 15654435.13 | 1399123.66 | 635.0 | Z19 | base | <0.52 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-1155C | 6/11/2015 | | 15654443.12 | 1399123.92 | 635.0 | Z18 | base | <0.51 | 5.1 | <0.51 | <0.28 | 5.1 |
| VB-1156C | 6/11/2015 | | 15654522.36 | 1399100.96 | 640.0 | W10-E | base | <0.51 | <0.65 | <0.54 | <0.29 | <0.28 |
| VB-51156C* | 6/11/2015 | | 15654522.36 | 1399100.96 | 640.0 | W10-E | base | <0.54 | <0.65 | <0.54 | <0.29 | |
| VB-1157C | 6/11/2015 | | 15654515.86 | 1399100.71 | 640.4 | W11-E | base | <0.55 | 1.2 | <0.55 | <0.30 | 1.2 |
| VB-1158C | 6/11/2015 | | 15654505.87 | 1399100.45 | 640.8 | W12-E | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-1159C | 6/11/2015 | | 15654526.86 | 1399100.96 | 641.0 | W10-E | sidewall | <0.49 | 5.2 | <0.49 | <0.27 | 5.2 |
| VW-1160C | 6/11/2015 | | 15654523.36 | 1399094.96 | 641.0 | W10 | sidewall | <0.50 | 62 | <0.50 | <0.27 | 62 [2] |
| VB-1161C | 6/11/2015 | on-Site (south-central portion of former building footprint) | 15654255.69 | 1399099.09 | 635.4 | X37 | base | <0.51 | 32 | <0.51 | <0.28 | 32 |
| VW-1162C | 6/11/2015 | | 15654260.69 | 1399099.09 | 636.5 | X37-N | sidewall | <0.50 | 45 | <0.50 | <0.27 | 45 |
| VW-1163C | 6/11/2015 | | 15654255.69 | 1399094.09 | 636.5 | X37-W | sidewall | <0.49 | 73 | <0.49 | <0.27 | 73 |
| VW-1164C | 6/11/2015 | | 15654255.69 | 1399104.09 | 636.5 | X37-E | sidewall | <0.50 | 14 | <0.50 | <0.27 | 14 |
| VW-1165C | 6/11/2015 | | 15654250.69 | 1399099.09 | 636.5 | X37-S | sidewall | <0.52 | 160 | <0.52 | <0.28 | 160 [3] |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** | | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| | | | NORTHING | EASTING | | | | | | | | |
| VB-1166C | 6/16/2015 | on-Site (north-central portion of former building footprint) | 15654415.39 | 1399113.16 | 635.5 | Y21 | base | <0.50 | <0.61 | <0.50 | <0.27 | 0.64 |
| VB-51166C* | 6/16/2015 | | 15654415.39 | 1399113.16 | 635.5 | Y21 | base | <0.51 | 0.64 | <0.51 | <0.28 | |
| VB-1167C | 6/16/2015 | | 15654418.14 | 1399103.16 | 641.0 | X21 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-1168C | 6/16/2015 | | 15654405.39 | 1399112.91 | 635.5 | Y22 | base | <0.51 | 8.6 | <0.51 | <0.28 | 8.6 |
| VB-1169C | 6/16/2015 | | 15654425.38 | 1399113.41 | 635.5 | Y20 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-1170C | 6/16/2015 | | 15654375.33 | 1399080.32 | 632.7 | V25 | base | <0.48 | 9.2 | <0.48 | <0.26 | 9.2 |
| VW-1171C | 6/16/2015 | | 15654417.89 | 1399108.16 | 637.0 | Y21-W | sidewall | <0.53 | 0.94 | <0.53 | <0.29 | 0.94 |
| VW-1172C | 6/16/2015 | | 15654405.39 | 1399107.91 | 637.5 | Y22-W | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VW-1173C | 6/16/2015 | | 15654420.64 | 1399103.16 | 640.0 | X21-N | sidewall | <0.53 | 61 | <0.53 | <0.29 | 61 |
| VW-1174C | 6/16/2015 | | 15654415.64 | 1399098.16 | 640.0 | X21-W | sidewall | <0.53 | 22 | <0.53 | <0.29 | 22 |
| VW-1175C | 6/16/2015 | | 15654380.33 | 1399080.32 | 635.0 | V25-N | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-1176C | 6/16/2015 | | 15654375.33 | 1399075.32 | 635.0 | V25-W | sidewall | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VW-1177C | 6/16/2015 | | 15654425.38 | 1399108.41 | 637.0 | Y20-W | sidewall | <0.50 | 31 | <0.50 | 10 | 41 |
| VW-51177C* | 6/16/2015 | | 15654425.38 | 1399108.41 | 637.0 | Y20-W | sidewall | <0.50 | 9.5 | <0.50 | 2.9 | |
| VB-1178C | 6/16/2015 | | 15654405.90 | 1399092.91 | 636.0 | W22 | base | <0.52 | 120 | <0.52 | <0.28 | 120 [3] |
| VB-1179C | 6/16/2015 | | 15654396.16 | 1399082.66 | 637.1 | V23 | base | <0.51 | 55 | <0.51 | 9.0 | 64 |
| VB-1180C | 6/16/2015 | | 15654406.15 | 1399082.91 | 636.0 | V22 | base | <0.52 | 7.2 | <0.52 | 2.1 | 9.3 |
| VB-1181C | 6/16/2015 | | 15654416.15 | 1399083.17 | 639.6 | V21 | base | <2.0 | 680 | <2.0 | 140 | 820 [3] |
| VB-1182C | 6/16/2015 | | 15654386.16 | 1399082.41 | 637.1 | V24 | base | <0.51 | 120 | <0.51 | <0.28 | 120 [3] |
| VB-1183C | 6/16/2015 | | 15654385.91 | 1399092.40 | 637.1 | W24 | base | <0.51 | 290 | <0.51 | <0.28 | 290 [3] |
| VW-1184C | 6/16/2015 | | 15654405.90 | 1399097.91 | 638.0 | W22-E | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VW-1185C | 6/16/2015 | | 15654406.15 | 1399077.91 | 638.5 | V22-W | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-1186C | 6/16/2015 | | 15654385.91 | 1399097.40 | 638.0 | W24-E | sidewall | <0.52 | 17 | <0.52 | <0.28 | 17 |
| VW-1187C | 6/16/2015 | | 15654396.16 | 1399077.66 | 638.5 | V23-W | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VW-1188C | 6/16/2015 | | 15654421.15 | 1399083.17 | 640.5 | V21-N | sidewall | <0.50 | 2.8 | <0.50 | <0.27 | 2.8 |
| VW-1189C | 6/16/2015 | | 15654395.90 | 1399097.66 | 638.0 | W23-E | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VW-1190C | 6/16/2015 | | 15654386.16 | 1399077.41 | 638.5 | V24-W | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VW-1191C | 6/16/2015 | | 15654411.15 | 1399082.91 | 638.0 | V22-N | sidewall | <0.50 | 52 | <0.50 | <0.27 | 52 |
| VW-1192C | 6/16/2015 | | 15654416.15 | 1399088.17 | 640.5 | V21-E | sidewall | <0.48 | 220 | <0.48 | <0.26 | 220 [3] |
| VW-1193C | 6/16/2015 | | 15654410.90 | 1399092.91 | 638.0 | W22-N | sidewall | <0.51 | 240 | <0.51 | <0.28 | 240 [3] |
| VW-1202C | 6/17/2015 | on-Site (north portion of former building footprint) | 15654394.63 | 1399137.64 | 636.0 | BB23-W | sidewall | <0.52 | 33 | <0.52 | <0.28 | 33 |
| VW-1203C | 6/17/2015 | | 15654392.13 | 1399142.64 | 636.0 | BB23 | sidewall | <0.52 | 140 | <0.52 | 33 | 173 [3] |
| VW-1204C | 6/17/2015 | | 15654394.63 | 1399147.64 | 636.0 | BB23-E | sidewall | <0.52 | 470 | <0.52 | <0.28 | 470 [3] |
| VB-1205C | 6/17/2015 | | 15654392.13 | 1399142.64 | 632.0 | BB23 | base | <0.50 | 1.5 | <0.50 | <0.27 | 1.5 |
| VW-1206C | 6/17/2015 | | 15654389.38 | 1399152.38 | 636.0 | CC24-N | sidewall | <0.50 | 190 | <0.50 | <0.27 | 190 [3] |
| VB-1207C | 6/17/2015 | | 15654384.38 | 1399152.38 | 632.0 | CC24 | base | <2.0 | 640 | <2.0 | <1.1 | 640 [3] |
| VB-1208C | 6/17/2015 | | 15654383.36 | 1399192.37 | 632.5 | GG24 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-1209C | 6/17/2015 | | 15654393.36 | 1399192.63 | 632.5 | GG23 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VW-1210C | 6/17/2015 | | 15654407.10 | 1399199.88 | 638.5 | HH22-N | sidewall | <0.50 | 61 | <0.50 | <0.27 | 61 |
| VW-1211C | 6/17/2015 | | 15654406.36 | 1399192.88 | 638.5 | GG22-N | sidewall | <0.53 | 140 | <0.53 | <0.29 | 140 [3] |
| VW-1212C | 6/17/2015 | on-Site (north-central portion of former building footprint) | 15654582.37 | 1399037.51 | 641.5 | Q4-S | sidewall | <0.56 | 9.8 | <0.56 | <0.31 | 9.8 |
| VW-1213C | 6/17/2015 | | 15654587.37 | 1399032.51 | 641.5 | Q4-W | sidewall | <0.54 | 98 | <0.54 | <0.29 | 98 [2] |
| VB-1214C | 6/17/2015 | | 15654587.37 | 1399037.51 | 638.5 | Q4 | base | <0.51 | 32 | <0.51 | <0.28 | 32 [2] |
| VW-1215C | 6/17/2015 | on-Site (north portion of former building footprint) | 15654404.37 | 1399157.89 | 640.5 | CC22-E | sidewall | <0.49 | 160 | <0.49 | <0.27 | 160 [3] |
| VW-51215C* | 6/17/2015 | | 15654404.37 | 1399157.89 | 640.5 | CC22-E | sidewall | <0.49 | 120 | <0.49 | <0.27 | |
| VB-1216C | 6/17/2015 | | 15654414.37 | 1399153.15 | 639.0 | CC21 | base | <0.48 | 36 | <0.48 | 5.6 | 41.6 |
| VB-1217C | 6/17/2015 | | 15654404.37 | 1399152.89 | 639.0 | CC22 | base | <0.48 | 160 | <0.48 | 32 | 192 [3] |
| VW-1218C | 6/17/2015 | | 15654400.37 | 1399152.89 | 640.5 | CC22-S | sidewall | <0.48 | 130 | <0.48 | 24 | 154 [3] |
| VW-1219C | 6/17/2015 | | 15654414.37 | 1399158.15 | 640.0 | CC21-E | sidewall | <0.49 | 160 | <0.49 | 24 | 184 [3] |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VW-1220C | 6/17/2015 | on-Site (north portion of former building footprint) | 15654424.37 | 1399158.40 | 640.0 | CC20-E | sidewall | <0.48 | 74 | <0.48 | 14 | 88 |
| VB-1221C | 6/17/2015 | | 15654424.37 | 1399153.40 | 639.0 | CC20 | base | <0.49 | 22 | <0.49 | 2.6 | 24.6 |
| VW-1222C | 6/17/2015 | on-Site (north-central re-location area) | 15654442.61 | 1399145.91 | 636.0 | BB18 | sidewall | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-1223C | 6/17/2015 | | 15654441.61 | 1399146.41 | 633.7 | BB18 | base | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VW-1224C | 6/17/2015 | | 15654441.11 | 1399148.91 | 636.0 | BB18-E | sidewall | <0.52 | 58 | <0.52 | 10 | 68 [2] |
| VB-1225C | 6/17/2015 | on-Site (north portion of former building footprint) | 15654404.63 | 1399145.40 | 639.0 | BB22 | base | <2.1 | 590 | <2.1 | <1.1 | 590 [3] |
| VB-1226C | 6/17/2015 | | 15654414.62 | 1399145.65 | 639.0 | BB21 | base | <2.0 | 720 | <2.0 | <1.1 | 720 [3] |
| VB-1227C | 6/17/2015 | | 15654424.62 | 1399150.90 | 639.0 | BB20-E | base | <2.0 | 920 | <2.0 | <1.1 | 920 [3] |
| VW-1228C | 6/18/2015 | on-Site (north-central portion of former building footprint) | 15654582.11 | 1399047.50 | 641.0 | R4-S | sidewall | <0.043 | 7.6 | <0.043 | <0.024 | 7.6 |
| VB-1229C | 6/18/2015 | | 15654587.11 | 1399047.50 | 638.5 | R4 | base | <0.040 | 9.6 | <0.040 | <0.022 | 9.6 |
| VW-1230C | 6/18/2015 | | 15654587.11 | 1399052.50 | 641.0 | R4-E | sidewall | <0.043 | 8.3 | <0.043 | <0.023 | 8.3 |
| VW-1250C | 6/18/2015 | on-Site (south-central portion of former building footprint) | 15654245.19 | 1399117.83 | 638.8 | Z38 | sidewall | <0.50 | 64 | <0.50 | <0.27 | 64 [2] |
| VW-1251C | 6/18/2015 | | 15654240.19 | 1399116.33 | 640.5 | Z38-S | sidewall | <0.51 | 0.89 | <0.51 | <0.28 | 0.89 |
| VW-1252C | 6/18/2015 | | 15654250.19 | 1399116.33 | 640.5 | Z38-N | sidewall | <0.51 | 29 | <0.51 | <0.28 | 29 [2] |
| VW-1253C | 6/18/2015 | | 15654240.44 | 1399108.84 | 640.5 | Y38-S | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-1254C | 6/18/2015 | | 15654291.44 | 1399073.62 | 637.0 | U33-S | sidewall | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VW-1255C | 6/18/2015 | | 15654296.44 | 1399071.62 | 637.0 | U33 | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VW-51255C* | 6/18/2015 | | 15654296.44 | 1399071.62 | 637.0 | U33 | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | |
| VW-1256C | 6/18/2015 | | 15654291.70 | 1399062.62 | 642.0 | T33-S | sidewall | <5.0 | 1,800 | <5.0 | <2.7 | 1,800 [3] |
| VW-1257C | 6/18/2015 | | 15654296.70 | 1399060.12 | 642.0 | T33 | sidewall | <0.50 | 390 | <0.50 | <0.27 | 390 [3] |
| VW-1258C | 6/18/2015 | | 15654301.70 | 1399062.62 | 642.0 | T33-N | sidewall | <0.50 | 0.82 | <0.50 | <0.27 | 0.82 |
| VW-1259C | 6/18/2015 | | 15654291.19 | 1399080.12 | 637.0 | V33-S | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-1260C | 6/18/2015 | | 15654296.19 | 1399075.12 | 637.0 | V33-W | sidewall | <0.52 | 2.1 | <0.52 | <0.28 | 2.1 |
| VW-1261C | 6/18/2015 | | 15654286.19 | 1399079.86 | 637.0 | V34 | sidewall | <0.51 | 23 | <0.51 | <0.28 | 23 |
| VW-1262C | 6/18/2015 | | 15654271.19 | 1399079.61 | 641.0 | V35-S | sidewall | <0.52 | 230 | <0.52 | <0.28 | 230 [3] |
| VW-1263C | 6/18/2015 | | 15654276.19 | 1399074.61 | 641.0 | V35-W | sidewall | <0.51 | 22 | <0.51 | <0.28 | 22 |
| VW-1264C | 6/18/2015 | | 15654276.19 | 1399079.61 | 637.0 | V35 | sidewall | <0.51 | 450 | <0.51 | <0.28 | 450 [3] |
| VW-1265C | 6/18/2015 | | 15654245.95 | 1399083.84 | 640.5 | W38-W | sidewall | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VW-1266C | 6/18/2015 | | 15654240.95 | 1399088.84 | 640.5 | W38-S | sidewall | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-1267C | 6/18/2015 | | 15654245.19 | 1399116.33 | 638.8 | Z38 | base | <0.51 | 15 | <0.51 | <0.28 | 15 |
| VB-1268C | 6/18/2015 | | 15654276.19 | 1399077.11 | 640.0 | V35 | base | <0.60 | 370 | <0.60 | <0.33 | 370 [3] |
| VB-1269C | 6/18/2015 | | 15654296.44 | 1399072.62 | 635.2 | U33 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-1270C | 6/18/2015 | | 15654296.19 | 1399080.12 | 635.2 | V33 | base | <0.52 | 25 | <0.52 | <0.28 | 25 |
| VB-1271C | 6/18/2015 | | 15654296.70 | 1399062.62 | 640.0 | T33 | base | <5.0 | 1,300 | <5.0 | <2.7 | 1,400 [3] |
| VB-51271C* | 6/18/2015 | | 15654296.70 | 1399062.62 | 640.0 | T33 | base | <5.0 | 1,400 | <5.0 | <2.7 | |
| VB-1272C | 6/18/2015 | | 15654275.94 | 1399089.61 | 635.1 | W35 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-1273C | 6/18/2015 | | 15654285.94 | 1399089.86 | 635.1 | W34 | base | <2.7 | 610 | <2.7 | <1.5 | 610 [3] |
| VB-1274C | 6/18/2015 | | 15654286.19 | 1399082.36 | 635.1 | V34 | base | <0.53 | 7.6 | <0.53 | <0.29 | 7.6 |
| VB-1275C | 6/18/2015 | | 15654245.95 | 1399088.84 | 638.8 | W38 | base | <0.52 | 2.2 | <0.52 | <0.28 | 2.2 |
| VW-1276C | 6/18/2015 | on-Site (north-central re-location area) | 15654515.61 | 1399105.71 | 640.0 | X11 | sidewall | <0.53 | 21 | <0.53 | <0.29 | 21 |
| VW-1277C | 6/18/2015 | | 15654495.36 | 1399121.19 | 639.0 | Y13-E | sidewall | <0.56 | 110 | <0.56 | <0.30 | 110 [3] |
| VW-1278C | 6/18/2015 | | 15654468.38 | 1399094.44 | 638.5 | W16 | sidewall | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VW-1279C | 6/18/2015 | | 15654505.61 | 1399105.45 | 639.0 | X12 | sidewall | <0.55 | 99 | <0.55 | <0.30 | 99 [2] |
| VW-1280C | 6/18/2015 | | 15654495.87 | 1399095.20 | 639.0 | W13 | sidewall | <0.54 | 0.82 | <0.54 | <0.30 | 0.82 |
| VW-1281C | 6/18/2015 | | 15654475.88 | 1399094.69 | 639.0 | W15 | sidewall | <0.50 | <0.61 | <0.50 | <0.27 | <0.27 |
| VW-1282C | 6/18/2015 | | 15654500.62 | 1399105.20 | 639.0 | X13-N | sidewall | <0.55 | 1.5 | <0.55 | <0.30 | 1.5 |
| VW-1283C | 6/18/2015 | | 15654505.87 | 1399094.45 | 639.0 | W12-W | sidewall | <0.54 | 0.77 | <0.54 | <0.30 | 0.77 |
| VW-1284C | 6/18/2015 | | 15654485.36 | 1399120.94 | 639.0 | Y14-E | sidewall | <0.52 | 5.2 | <0.52 | <0.28 | 5.2 |
| VW-1285C | 6/18/2015 | | 15654501.36 | 1399115.19 | 639.0 | Y13-N | sidewall | <0.53 | 59 | <0.53 | <0.29 | 59 [2] |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** | | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| | | | NORTHING | EASTING | | | | | | | | |
| VW-1286C | 6/18/2015 | on-Site (north-central re-location area) | 15654485.87 | 1399094.95 | 639.0 | W14 | sidewall | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VW-1287C | 6/18/2015 | | 15654519.86 | 1399094.71 | 640.5 | W11-W | sidewall | <0.53 | 60 | <0.53 | <0.29 | 60 [2] |
| VW-1288C | 6/18/2015 | | 15654467.37 | 1399119.43 | 638.8 | Y16-E | sidewall | <0.50 | 5.3 | <0.50 | <0.27 | 5.3 |
| VW-1289C | 6/18/2015 | | 15654472.87 | 1399119.68 | 639.0 | Y15-E | sidewall | <0.51 | 42 | <0.51 | <0.28 | 42 [2] |
| VW-1290C | 6/19/2015 | | 15654466.37 | 1399116.93 | 638.5 | Y16 | sidewall | <0.50 | 27 | <0.50 | <0.27 | 27 [2] |
| VW-1291C | 6/19/2015 | | 15654466.88 | 1399094.44 | 638.5 | W16 | sidewall | <0.49 | 47 | <0.49 | <0.27 | 47 [2] |
| VB-1292C | 6/19/2015 | | 15654495.87 | 1399097.70 | 638.2 | W13-E | base | <0.51 | 1.4 | <0.51 | <0.28 | 2.8 |
| VB-51292C* | 6/19/2015 | | 15654495.87 | 1399097.70 | 638.2 | W13-E | base | <0.52 | 2.8 | <0.52 | <0.28 | |
| VB-1293C | 6/19/2015 | | 15654495.62 | 1399105.20 | 638.3 | X13 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-1294C | 6/19/2015 | | 15654495.36 | 1399115.19 | 638.5 | Y13 | base | <0.52 | 1.5 | <0.52 | <0.28 | 1.5 |
| VB-1295C | 6/19/2015 | | 15654485.87 | 1399097.45 | 638.0 | W14-E | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-1296C | 6/19/2015 | | 15654485.62 | 1399104.94 | 638.2 | X14 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-1297C | 6/19/2015 | | 15654485.36 | 1399114.94 | 637.9 | Y14 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-1298C | 6/19/2015 | | 15654475.88 | 1399097.19 | 637.6 | W15-E | base | <0.51 | 14 | <0.51 | <0.28 | 14 |
| VB-1299C | 6/19/2015 | | 15654475.62 | 1399104.69 | 637.6 | X15 | base | <0.50 | 6.1 | <0.50 | <0.27 | 6.1 |
| VB-1300C | 6/19/2015 | | 15654475.37 | 1399114.68 | 637.7 | Y15 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-1301C | 6/19/2015 | | 15654468.38 | 1399096.94 | 637.5 | W16-E | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-1302C | 6/19/2015 | | 15654469.13 | 1399104.43 | 637.5 | X16 | base | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VB-1303C | 6/19/2015 | | 15654467.87 | 1399116.43 | 637.6 | Y16 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-1318C | 6/19/2015 | on-Site (northeast re-location area) | 15654471.34 | 1399169.67 | 637.5 | EE15-W | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-1319C | 6/19/2015 | | 15654463.85 | 1399169.41 | 637.5 | EE16-W | sidewall | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VW-1320C | 6/19/2015 | | 15654453.85 | 1399169.16 | 637.0 | EE17-W | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-1321C | 6/19/2015 | | 15654473.84 | 1399174.67 | 637.5 | EE15 | sidewall | <0.50 | 2.8 | <0.50 | <0.27 | 2.8 |
| VW-1322C | 6/19/2015 | | 15654447.85 | 1399174.16 | 637.0 | EE17-S | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VW-1323C | 6/19/2015 | | 15654473.59 | 1399184.66 | 637.0 | FF15 | sidewall | <0.51 | 35 | <0.51 | <0.28 | 35 [2] |
| VW-1324C | 6/19/2015 | | 15654447.59 | 1399184.15 | 637.0 | FF17-S | sidewall | <0.52 | <0.63 | <0.52 | <0.29 | <0.29 |
| VW-51324C* | 6/19/2015 | | 15654447.59 | 1399184.15 | 637.0 | FF17-S | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | |
| VW-1325C | 6/19/2015 | | 15654473.33 | 1399192.16 | 637.0 | GG15 | sidewall | <0.47 | <0.57 | <0.47 | <0.26 | <0.26 |
| VW-1326C | 6/19/2015 | | 15654463.34 | 1399196.91 | 637.0 | GG16-E | sidewall | <0.50 | <0.61 | <0.50 | <0.28 | <0.28 |
| VW-1327C | 6/19/2015 | | 15654447.34 | 1399194.15 | 637.0 | GG17-S | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-1328C | 6/19/2015 | | 15654463.08 | 1399204.40 | 637.0 | HH16 | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VW-1329C | 6/19/2015 | | 15654448.09 | 1399204.15 | 637.0 | HH17-S | sidewall | <0.51 | 1.1 | <0.51 | <0.28 | 1.1 |
| VB-1330C | 6/19/2015 | | 15654471.34 | 1399174.67 | 636.0 | EE15 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-1331C | 6/19/2015 | | 15654463.85 | 1399174.41 | 636.0 | EE16 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-1332C | 6/19/2015 | | 15654453.85 | 1399174.16 | 636.0 | EE17 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-1333C | 6/19/2015 | | 15654471.59 | 1399184.66 | 636.0 | FF15 | base | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VB-1334C | 6/19/2015 | | 15654463.59 | 1399184.41 | 636.0 | FF16 | base | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VB-1335C | 6/19/2015 | | 15654453.59 | 1399184.15 | 636.0 | FF17 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-1336C | 6/19/2015 | | 15654470.83 | 1399192.16 | 636.0 | GG15 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-1337C | 6/19/2015 | | 15654463.34 | 1399194.41 | 636.0 | GG16 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-1338C | 6/19/2015 | | 15654453.34 | 1399194.15 | 636.0 | GG17 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-1339C | 6/19/2015 | | 15654453.09 | 1399204.15 | 636.0 | HH17 | base | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |
| VB-1340C | 6/19/2015 | on-Site (north-central re-location area) | 15654523.36 | 1399093.46 | 640.0 | W10 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-1341C | 6/19/2015 | | 15654520.86 | 1399093.46 | 641.0 | W10-S | sidewall | <0.53 | 38 | <0.53 | <0.29 | 38 [2] |
| VW-1342C | 6/19/2015 | | 15654525.86 | 1399093.46 | 641.0 | W10 | sidewall | <0.54 | 10 | <0.54 | <0.29 | 10 |
| VW-1343C | 6/19/2015 | | 15654523.36 | 1399090.96 | 641.0 | W10-W | sidewall | <0.52 | 20 | <0.52 | <0.29 | 20 |
| VB-1344C | 6/22/2015 | on-Site (north-central portion of former building footprint) | 15654416.40 | 1399073.17 | 638.0 | U21 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-1345C | 6/22/2015 | | 15654416.15 | 1399083.17 | 638.0 | V21 | base | <0.51 | 37 | <0.51 | <0.28 | 37 |
| VB-1346C | 6/22/2015 | | 15654415.90 | 1399093.17 | 638.0 | W21 | base | <0.50 | 110 | <0.50 | <0.27 | 110 [3] |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VB-1347C | 6/22/2015 | on-Site (north-central portion of former building footprint) | 15654385.91 | 1399092.40 | 636.5 | W24 | base | <0.50 | 170 | <0.50 | <0.27 | 170 [3] |
| VB-1348C | 6/22/2015 | | 15654386.16 | 1399082.41 | 636.5 | V24 | base | <0.51 | 37 | <0.51 | <0.28 | 37 |
| VW-1349C | 6/22/2015 | | 15654421.40 | 1399073.17 | 639.0 | U21-N | sidewall | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VW-1350C | 6/22/2015 | | 15654416.40 | 1399068.17 | 639.0 | U21-W | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VW-1351C | 6/22/2015 | | 15654411.40 | 1399073.17 | 639.0 | U21-S | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VW-1352C | 6/22/2015 | | 15654421.15 | 1399083.17 | 639.0 | V21-N | sidewall | <0.51 | 79 | <0.51 | <0.28 | 79 |
| VW-1353C | 6/22/2015 | | 15654420.90 | 1399093.17 | 639.0 | W21-N | sidewall | <0.49 | 170 | <0.49 | <0.27 | 170 [3] |
| VW-1354C | 6/22/2015 | | 15654415.90 | 1399098.17 | 639.0 | W21-E | sidewall | <0.51 | 340 | <0.51 | 64 | 404 [3] |
| VW-1355C | 6/22/2015 | | 15654392.91 | 1399092.40 | 637.5 | W24-N | sidewall | <0.51 | 180 | <0.51 | 20 | 200 [3] |
| VW-1356C | 6/22/2015 | | 15654393.16 | 1399082.41 | 637.5 | V24-N | sidewall | <0.52 | <0.63 | <0.52 | <0.29 | <0.29 |
| VW-1357C | 6/22/2015 | | 15654386.16 | 1399075.41 | 638.0 | V24-W | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VB-1358C | 6/22/2015 | on-Site (north portion of former building footprint) | 15654394.38 | 1399152.64 | 632.0 | CC23 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VW-1359C | 6/22/2015 | | 15654394.38 | 1399157.64 | 632.5 | CC23-E | sidewall | <0.49 | 420 | <0.49 | <0.27 | 420 [3] |
| VB-1360C | 6/22/2015 | | 15654396.13 | 1399142.64 | 632.5 | BB23 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VW-1361C | 6/22/2015 | | 15654397.13 | 1399138.64 | 638.0 | BB23-W | sidewall | <0.51 | 39 | <0.51 | <0.28 | 39 |
| VB-1362C | 6/22/2015 | | 15654384.38 | 1399152.38 | 632.5 | CC24 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-1363C | 6/23/2015 | | 15654414.37 | 1399153.15 | 632.5 | CC21 | base | <0.49 | 180 | <0.49 | <0.27 | 180 [3] |
| VB-1364C | 6/23/2015 | | 15654424.62 | 1399143.40 | 632.5 | BB20 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-1365C | 6/23/2015 | | 15654414.12 | 1399160.64 | 632.5 | DD21 | base | <1.9 | 670 | <1.9 | <1.1 | 670 [3] |
| VB-1366C | 6/23/2015 | | 15654414.62 | 1399143.15 | 632.5 | BB21 | base | <0.48 | 55 | <0.48 | <0.26 | 55 |
| VB-1367C | 6/23/2015 | | 15654404.12 | 1399160.39 | 632.5 | DD22 | base | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VB-1368C | 6/23/2015 | | 15654404.37 | 1399152.89 | 632.5 | CC22 | base | <0.49 | 1.2 | <0.49 | <0.27 | 1.2 |
| VB-1369C | 6/23/2015 | | 15654407.13 | 1399142.90 | 632.5 | BB22 | base | <0.51 | 2.0 | <0.51 | <0.28 | 2.0 |
| VB-1370C | 6/23/2015 | | 15654422.38 | 1399118.41 | 635.0 | Y20-E | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-1371C | 6/23/2015 | | 15654414.62 | 1399139.15 | 636.0 | BB21-W | sidewall | <0.51 | 59 | <0.51 | <0.28 | 59 |
| VW-1372C | 6/23/2015 | | 15654404.12 | 1399161.89 | 636.0 | DD22-E | sidewall | <0.49 | 280 | <0.49 | <0.27 | 280 [3] |
| VW-1373C | 6/23/2015 | | 15654420.12 | 1399160.64 | 636.0 | DD21-N | sidewall | <2.0 | 660 | <2.0 | <1.1 | 660 [3] |
| VW-1374C | 6/23/2015 | | 15654424.62 | 1399139.40 | 636.0 | BB20-W | sidewall | <0.49 | 110 | <0.49 | <0.27 | 110 [3] |
| VW-1375C | 6/23/2015 | | 15654399.12 | 1399159.89 | 636.0 | DD22-S | sidewall | <0.50 | 120 | <0.50 | <0.27 | 120 [3] |
| VW-1376C | 6/23/2015 | | 15654424.62 | 1399148.40 | 636.0 | BB20-E | sidewall | <2.5 | 960 | <2.5 | <1.3 | 960 [3] |
| VW-1377C | 6/23/2015 | | 15654419.37 | 1399153.15 | 636.0 | CC21-N | sidewall | <2.4 | 800 | <2.4 | <1.3 | 880 [3] |
| VW-51377C* | 6/23/2015 | | 15654419.37 | 1399153.15 | 636.0 | CC21-N | sidewall | <2.4 | 880 | <2.4 | <1.3 | |
| VW-1378C | 6/23/2015 | | 15654404.63 | 1399138.90 | 636.0 | BB22-W | sidewall | <0.49 | 6.1 | <0.49 | <0.27 | 6.1 |
| VB-1379C | 6/23/2015 | on-Site (west re-location area) | 15654380.48 | 1398912.21 | 645.7 | E25 | base | <0.0097 | <0.012 | <0.0097 | <0.0053 | <0.0053 |
| VB-1380C | 6/23/2015 | | 15654383.24 | 1398902.21 | 645.7 | D25 | base | <0.0098 | <0.012 | <0.0098 | <0.0054 | <0.0054 |
| VW-1381C | 6/23/2015 | | 15654380.74 | 1398898.21 | 647.0 | D25-W | sidewall | <0.010 | 0.12 | <0.010 | <0.0055 | 0.12 |
| VW-1382C | 6/23/2015 | | 15654385.74 | 1398902.21 | 647.0 | D25-N | sidewall | <0.0098 | <0.012 | <0.0098 | <0.0053 | <0.0053 |
| VW-1383C | 6/23/2015 | | 15654385.48 | 1398912.21 | 647.0 | E25-N | sidewall | <0.0097 | <0.012 | <0.0097 | <0.0053 | <0.0053 |
| VB-1384C | 6/23/2015 | | 15654406.70 | 1398962.95 | 643.5 | J22 | base | <0.010 | 0.16 | <0.010 | <0.0055 | 0.16 |
| VW-1385C | 6/23/2015 | | 15654374.21 | 1398967.19 | 643.0 | J25-E | sidewall | <0.0097 | 0.28 | <0.0097 | <0.0053 | 0.28 |
| VW-1386C | 6/23/2015 | | 15654409.20 | 1398967.95 | 644.0 | J22-E | sidewall | <0.0095 | 0.46 | <0.0095 | <0.0052 | 0.46 |
| VW-1387C | 6/23/2015 | | 15654371.71 | 1398962.19 | 643.0 | J25-S | sidewall | <0.0098 | 0.15 | <0.0098 | <0.0053 | 0.15 |
| VW-1388C | 6/23/2015 | | 15654376.71 | 1398957.19 | 643.0 | J25-W | sidewall | <0.0098 | <0.012 | <0.0098 | <0.0053 | <0.0053 |
| VW-1389C | 6/23/2015 | | 15654409.20 | 1398957.95 | 644.0 | J22-W | sidewall | <0.0097 | <0.012 | <0.0097 | <0.0053 | <0.0053 |
| VW-1390C | 6/23/2015 | | 15654410.20 | 1398962.95 | 644.0 | J22 | sidewall | <0.0099 | <0.012 | <0.0099 | <0.0054 | <0.0054 |
| VW-1391C | 6/23/2015 | | 15654380.48 | 1398917.21 | 647.0 | E25-E | sidewall | <0.0098 | <0.012 | <0.0098 | <0.0053 | <0.0053 |
| VB-1392C | 6/23/2025 | on-Site (north-central portion of former building footprint) | 15654421.89 | 1399093.42 | 634.5 | W20 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-1393C | 6/23/2025 | | 15654415.90 | 1399093.17 | 634.5 | W21 | base | <0.51 | 1.9 | <0.51 | <0.28 | 2.0 |
| VB-51393C* | 6/23/2025 | | 15654415.90 | 1399093.17 | 634.5 | W21 | base | <0.51 | 2.0 | <0.51 | <0.28 | |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table

** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VB-1394C | 6/23/2025 | on-Site (north-central portion of former building footprint) | 15654405.90 | 1399092.91 | 634.5 | W22 | base | <0.49 | 11 | <0.49 | <0.27 | 11 |
| VB-1395C | 6/23/2025 | | 15654385.91 | 1399092.40 | 634.5 | W24 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-1396C | 6/23/2025 | | 15654415.64 | 1399099.16 | 634.5 | X21 | base | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VW-1397C | 6/23/2025 | | 15654422.89 | 1399093.42 | 636.0 | W20 | sidewall | <0.49 | 20 | <0.49 | <0.27 | 20 |
| VW-1398C | 6/23/2025 | | 15654405.90 | 1399098.91 | 636.0 | W22-E | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-1399C | 6/23/2025 | | 15654410.64 | 1399099.16 | 636.0 | X21-S | sidewall | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VW-1400C | 6/23/2025 | | 15654420.64 | 1399099.16 | 636.0 | X21-N | sidewall | <0.48 | 24 | <0.48 | <0.26 | 24 |
| VW-1401C | 6/23/2025 | | 15654415.64 | 1399100.16 | 636.0 | X21 | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VB-1402C | 6/23/2025 | on-Site (south-central portion of former building footprint) | 15654245.44 | 1399108.84 | 635.5 | Y38 | base | <0.52 | 3.0 | <0.52 | <0.28 | 3.0 |
| VB-1403C | 6/23/2025 | | 15654289.20 | 1399057.37 | 639.2 | T34 | base | <0.53 | 240 | <0.53 | <0.29 | 240 [3] |
| VW-1404C | 6/23/2025 | | 15654286.70 | 1399057.37 | 642.0 | T34 | sidewall | <0.51 | 24 | <0.51 | <0.28 | 24 |
| VB-1405C | 6/23/2025 | | 15654299.20 | 1399060.12 | 639.2 | T33 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VW-1406C | 6/23/2025 | | 15654286.70 | 1399054.87 | 642.0 | T34-W | sidewall | <0.50 | 2.2 | <0.50 | <0.27 | 2.2 |
| VW-1407C | 6/23/2025 | | 15654301.70 | 1399057.62 | 642.0 | T33-N | sidewall | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VW-1408C | 6/23/2025 | | 15654296.70 | 1399055.12 | 642.0 | T33-W | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VW-1409C | 6/23/2025 | | 15654273.69 | 1399074.61 | 639.5 | V35-W | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-1410C | 6/23/2025 | | 15654266.20 | 1399074.36 | 640.0 | V36-W | sidewall | <0.54 | <0.66 | <0.54 | <0.30 | <0.30 |
| VW-1411C | 6/23/2025 | | 15654266.20 | 1399079.36 | 640.0 | V36 | sidewall | <0.51 | 150 | <0.51 | <0.28 | 150 [3] |
| VW-1412C | 6/23/2025 | | 15654255.18 | 1399119.09 | 640.0 | Z37 | sidewall | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-1413C | 6/23/2025 | | 15654273.69 | 1399079.61 | 639.0 | V35 | base | <0.52 | 1.1 | <0.52 | <0.28 | 1.1 |
| VW-1414C | 6/23/2025 | | 15654268.70 | 1399079.36 | 639.0 | V36 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-1415C | 6/23/2025 | | 15654285.94 | 1399089.86 | 634.0 | W34 | base | <0.54 | 140 | <0.54 | <0.29 | 140 [3] |
| VW-1416C | 6/23/2025 | | 15654245.19 | 1399123.83 | 640.0 | Z38-E | sidewall | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-1417C | 6/23/2025 | | 15654245.70 | 1399098.84 | 635.5 | X38 | base | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VB-1418C | 6/23/2025 | | 15654359.18 | 1399061.65 | 632.5 | T27 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VW-1419C | 6/23/2025 | | 15654356.68 | 1399056.65 | 636.0 | T27-W | sidewall | <0.50 | 5.6 | <0.50 | <0.27 | 5.6 |
| VW-1420C | 6/23/2025 | on-Site (northeast portion of former building footprint) | 15654413.35 | 1399188.13 | 637.0 | GG21-W | sidewall | <0.54 | <0.65 | <0.54 | <0.29 | <0.29 |
| VW-1421C | 6/23/2025 | | 15654413.35 | 1399193.13 | 637.0 | GG21 | sidewall | <0.54 | 3.5 | <0.54 | <0.29 | 3.5 |
| VW-1422C | 6/23/2025 | | 15654410.85 | 1399198.13 | 637.0 | GG21-E | sidewall | <0.52 | 85 | <0.52 | <0.28 | 85 |
| VB-1423C | 6/23/2025 | | 15654410.85 | 1399193.13 | 635.5 | GG21 | base | <0.53 | 4.2 | <0.53 | <0.29 | 4.2 |
| VW-1424C | 6/23/2025 | on-Site (south-central | 15654363.68 | 1399061.65 | 636.0 | T27-N | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-1425C | 6/24/2015 | on-Site (north-central re-location area) | 15654470.11 | 1399122.18 | 637.7 | Z15-S | base | <0.010 | 2.0 | <0.010 | 0.15 | 2.15 |
| VW-1426C | 6/24/2015 | | 15654477.61 | 1399122.18 | 638.7 | Z15-N | sidewall | <0.010 | 0.32 | <0.010 | <0.0057 | 0.32 |
| VW-1427C | 6/24/2015 | | 15654467.61 | 1399124.68 | 638.7 | Z15-S | sidewall | <0.0095 | 1.1 | <0.0095 | 0.22 | 1.32 |
| VW-51427C* | 6/24/2015 | | 15654467.61 | 1399124.68 | 638.7 | Z15-S | sidewall | <0.0095 | 0.84 | <0.0095 | 0.11 | |
| VW-1428C | 6/24/2015 | | 15654467.62 | 1399119.43 | 638.7 | Z16-W | sidewall | <0.010 | 0.02 | <0.010 | <0.0054 | 0.020 |
| VW-1429C | 6/24/2015 | on-Site (northeast re-location area) | 15654476.09 | 1399179.66 | 637.0 | FF15-W | sidewall | <0.20 | 46 | <0.20 | 44 | 90 [2] |
| VW-1430C | 6/24/2015 | | 15654473.59 | 1399189.66 | 637.0 | FF15-E | sidewall | <0.010 | 0.085 | <0.010 | 0.04 | 0.125 |
| VW-1431C | 6/24/2015 | | 15654478.59 | 1399184.66 | 637.0 | FF15-N | sidewall | <0.010 | 0.076 | <0.010 | <0.0056 | 0.076 |
| VB-1441C | 6/24/2015 | on-Site (north-central portion of former building footprint) | 15654587.37 | 1399037.51 | 640.0 | Q4 | base | <0.010 | 31 | <0.010 | 1.0 | 32 [2] |
| VW-1443C | 6/24/2015 | | 15654582.62 | 1399027.51 | 640.0 | P4-S | sidewall | <0.53 | 19 | <0.53 | 1.9 | 20.9 |
| VB-1444C | 6/24/2015 | | 15654587.62 | 1399027.51 | 640.0 | P4 | base | <0.50 | 67 | <0.50 | 2.8 | 69.8 [2] |
| VB-1446C | 6/24/2015 | on-Site (north-central re-location area) | 15654505.36 | 1399115.45 | 638.5 | Y12 | base | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-1447C | 6/24/2015 | | 15654511.12 | 1399090.71 | 640.0 | V11-S | sidewall | <0.54 | 18 | <0.54 | <0.29 | 18 |
| VW-1448C | 6/24/2015 | | 15654495.11 | 1399130.19 | 639.5 | Z13-E | sidewall | <0.50 | 8.1 | <0.50 | <0.27 | 8.1 |
| VW-1449C | 6/24/2015 | | 15654500.11 | 1399125.19 | 639.5 | Z13-N | sidewall | <0.55 | 1.4 | <0.55 | <0.30 | 1.4 |
| VW-1450C | 6/24/2015 | | 15654516.12 | 1399085.71 | 640.0 | V11 | sidewall | <0.53 | 1.6 | <0.53 | <0.29 | 1.6 |
| VB-1451C | 6/24/2015 | | 15654515.86 | 1399090.71 | 638.5 | W11-W | base | <0.55 | 1.2 | <0.55 | <0.30 | 1.2 |
| VW-1452C | 6/24/2015 | | 15654505.36 | 1399110.45 | 639.5 | Y12-W | sidewall | <0.56 | 29 | <0.56 | <0.31 | 29 [2] |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers
* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table
** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** | | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| | | | NORTHING | EASTING | | | | | | | | |
| VW-1453C | 6/24/2015 | on-Site (north-central re-location area) | 15654505.36 | 1399120.45 | 639.5 | Y12-E | sidewall | <0.55 | 1.5 | <0.55 | <0.30 | 1.5 |
| VB-1454C | 6/24/2015 | | 15654495.11 | 1399122.69 | 638.5 | Z13 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VW-1455C | 6/24/2015 | | 15654490.11 | 1399125.19 | 639.5 | Z13-S | sidewall | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |
| VW-1456C | 6/24/2015 | | 15654510.36 | 1399115.45 | 639.5 | Y12-N | sidewall | <0.52 | <0.63 | <0.52 | <0.29 | <0.29 |
| VB-1457C | 6/25/2015 | on-Site (south-central portion of former building footprint) | 15654289.20 | 1399057.37 | 637.5 | T34 | base | <0.53 | 500 | <0.53 | 41 | 541 [3] |
| VB-1458C | 6/25/2015 | | 15654285.94 | 1399089.86 | 632.7 | W34 | base | <0.48 | <0.57 | <0.48 | <0.26 | <0.26 |
| VW-1459C | 6/25/2015 | | 15654266.20 | 1399074.36 | 640.0 | V36-W | sidewall | <0.50 | 0.85 | <0.50 | <0.27 | 0.85 |
| VW-1460C | 6/25/2015 | | 15654261.20 | 1399079.36 | 640.0 | V36-S | sidewall | <0.49 | 490 | <0.49 | 33 | 523 [3] |
| VB-1461C | 6/25/2015 | on-Site (north-central portion of former building footprint) | 15654589.36 | 1399057.50 | 638.0 | S4 | base | <0.0098 | 3.8 | <0.0098 | 0.16 | 3.96 |
| VB-1462C | 6/25/2015 | | 15654587.87 | 1399017.51 | 640.0 | O4 | base | <0.010 | 34 | <0.010 | 1.2 | 35.2 [2] |
| VW-1463C | 6/25/2015 | | 15654582.87 | 1399017.51 | 643.0 | O4-S | sidewall | <0.011 | 15 | <0.011 | 0.58 | 15.58 |
| VW-1464C | 6/25/2015 | | 15654587.87 | 1399012.51 | 643.0 | O4-W | sidewall | <0.010 | 66 | <0.010 | 2.7 | 68.7 [2] |
| VW-1466C | 6/25/2015 | | 15654586.86 | 1399062.50 | 641.0 | S4-E | sidewall | <0.011 | 0.13 | <0.011 | <0.0059 | 0.13 |
| VW-1467C | 6/25/2015 | | 15654585.36 | 1399057.50 | 641.0 | S4-S | sidewall | <0.011 | 4.1 | <0.011 | 0.19 | 4.29 |
| VB-1470C | 6/26/2015 | | 15654424.37 | 1399153.40 | 632.5 | CC20 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-51470C* | 6/26/2015 | | 15654424.37 | 1399153.40 | 632.5 | CC20 | base | <0.51 | <0.61 | <0.51 | <0.28 | |
| VB-1471C | 6/26/2015 | | 15654414.37 | 1399153.15 | 632.5 | CC21 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-1472C | 6/26/2015 | | 15654424.11 | 1399163.40 | 632.5 | DD20 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-1473C | 6/26/2015 | | 15654414.12 | 1399163.14 | 632.5 | DD21 | base | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VW-1474C | 6/26/2015 | | 15654429.11 | 1399163.40 | 636.0 | DD20-N | sidewall | <0.49 | 33 | <0.49 | 6.4 | 39.4 |
| VW-1475C | 6/26/2015 | | 15654394.12 | 1399162.63 | 632.5 | DD23 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-1476C | 6/26/2015 | | 15654424.88 | 1399133.41 | 632.5 | AA20 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VW-1477C | 6/26/2015 | | 15654414.12 | 1399168.14 | 636.0 | DD21-E | sidewall | <0.52 | 26 | <0.52 | 5.6 | 31.6 |
| VW-1478C | 6/26/2015 | | 15654404.12 | 1399167.89 | 636.0 | DD22-E | sidewall | <0.52 | 1.6 | <0.52 | <0.28 | 1.6 |
| VW-1479C | 6/26/2015 | | 15654394.12 | 1399167.63 | 636.0 | DD23-E | sidewall | <0.49 | <0.60 | <0.49 | <0.27 | <0.27 |
| VW-1480C | 6/26/2015 | | 15654424.11 | 1399168.40 | 636.0 | DD20-E | sidewall | <0.52 | 3,100 | <0.52 | 250 | 3,350 [3] |
| VB-1481C | 6/26/2015 | | 15654409.88 | 1399132.90 | 632.5 | AA22-N | base | <0.51 | 210 | <0.51 | 8.3 | 218.3 [3] |
| VB-1482C | 6/26/2015 | on-Site (south-central portion of former building footprint) | 15654286.70 | 1399057.37 | 635.0 | T34 | base | <0.53 | 48 | <0.53 | 4.1 | 52.1 |
| VW-1483C | 6/26/2015 | | 15654251.20 | 1399079.10 | 640.0 | V37-S | sidewall | <0.50 | 4.3 | <0.50 | <0.27 | 4.3 |
| VB-1484C | 6/26/2015 | | 15654258.70 | 1399079.10 | 639.0 | V37 | base | <0.52 | 72 | <0.52 | 6.8 | 78.8 [3] |
| VW-1485C | 6/26/2015 | | 15654256.20 | 1399074.10 | 640.0 | V37-W | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-1486C | 6/29/2015 | on-Site (north-central portion of former building footprint) | 15654588.13 | 1399007.52 | 637.6 | N4 | base | <0.47 | 6.9 | <0.47 | <0.26 | 6.9 |
| VB-1487C | 6/29/2015 | | 15654587.62 | 1399027.51 | 637.6 | P4 | base | <0.49 | 57 | <0.49 | <0.27 | 57 [2] |
| VB-1488C | 6/29/2015 | | 15654587.87 | 1399017.51 | 637.6 | O4 | base | <0.48 | 53 | <0.48 | <0.26 | 53 [2] |
| VB-1489C | 6/29/2015 | | 15654587.37 | 1399037.51 | 637.6 | Q4 | base | <0.50 | 44 | <0.50 | <0.27 | 44 [2] |
| VW-1490C | 6/29/2015 | | 15654588.13 | 1399002.52 | 641.0 | N4-W | sidewall | <0.51 | 13 | <0.51 | <0.28 | 13 |
| VW-1491C | 6/29/2015 | | 15654583.13 | 1399007.52 | 641.0 | N4-S | sidewall | <0.52 | 20 | <0.52 | <0.28 | 20 |
| VB-1492C | 6/30/2015 | | 15654407.42 | 1399032.93 | 641.5 | Q22 | base | <0.50 | <0.61 | <0.50 | <0.27 | <0.27 |
| VB-1493C | 6/30/2015 | | 15654397.43 | 1399032.68 | 641.5 | Q23 | base | <0.50 | 6.2 | <0.50 | 0.82 | 7.02 |
| VB-1494C | 6/30/2015 | | 15654387.18 | 1399042.42 | 642.0 | R24 | base | <0.51 | 60 | <0.51 | 7.2 | 67.2 [2] |
| VB-1495C | 6/30/2015 | | 15654386.92 | 1399052.42 | 642.0 | S24 | base | <0.52 | 1.8 | <0.52 | <0.28 | 1.8 |
| VB-1496C | 6/30/2015 | | 15654386.67 | 1399062.41 | 641.5 | T24 | base | <0.52 | 0.92 | <0.52 | <0.28 | 0.92 |
| VB-1497C | 6/30/2015 | | 15654386.41 | 1399072.41 | 641.5 | U24 | base | <0.52 | 34 | <0.52 | 3.7 | 37.7 [2] |
| VB-1498C | 6/30/2015 | | 15654377.18 | 1399042.17 | 642.0 | R25 | base | <0.51 | 6.4 | <0.51 | 0.83 | 7.23 |
| VB-1499C | 6/30/2015 | | 15654376.93 | 1399052.16 | 642.0 | S25 | base | <0.52 | 65 | <0.52 | 9.9 | 74.9 [2] |
| VB-1500C | 6/30/2015 | | 15654376.67 | 1399062.16 | 641.8 | T25 | base | <0.52 | <0.63 | <0.52 | <0.29 | <0.29 |
| VB-1501C | 6/30/2015 | | 15654376.42 | 1399072.16 | 641.5 | U25 | base | <0.51 | 1.4 | <0.51 | <0.28 | 1.4 |
| VB-1502C | 6/30/2015 | | 15654366.93 | 1399051.91 | 642.0 | S26 | base | <0.54 | 16 | <0.54 | 2.0 | 18 |
| VB-1503C | 6/30/2015 | | 15654356.93 | 1399051.65 | 642.0 | S27 | base | <0.52 | 38 | <0.52 | 4.6 | 42.6 [2] |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers

* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table

** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** | | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| | | | NORTHING | EASTING | | | | | | | | |
| VB-1504C | 6/30/2015 | on-Site (north-central portion of former building footprint) | 15654357.44 | 1399031.66 | 641.5 | Q27 | base | <0.51 | 36 | <0.51 | 3.6 | 39.6 [2] |
| VB-1505C | 6/30/2015 | | 15654366.67 | 1399061.90 | 641.5 | T26 | base | <0.52 | 6.3 | <0.52 | <0.29 | 6.3 |
| VB-1506C | 6/30/2015 | | 15654347.19 | 1399041.40 | 641.3 | R28 | base | <0.50 | 20 | <0.50 | 2.0 | 22 |
| VB-1507C | 6/30/2015 | | 15654357.19 | 1399041.66 | 641.3 | R27 | base | <0.52 | 12 | <0.52 | 2.1 | 14.1 |
| VB-1508C | 6/30/2015 | | 15654367.18 | 1399041.91 | 641.5 | R26 | base | <0.50 | 29 | <0.50 | 3.1 | 32.1 [2] |
| VB-1509C | 6/30/2015 | | 15654347.44 | 1399031.41 | 641.5 | Q28 | base | <0.50 | 110 | <0.50 | 11 | 121 [3] |
| VW-1510C | 6/30/2015 | | 15654407.42 | 1399027.93 | 642.5 | Q22-W | sidewall | <0.51 | 2.5 | <0.51 | <0.28 | 17.7 |
| VW-51510C* | 6/30/2015 | | 15654407.42 | 1399027.93 | 642.5 | Q22-W | sidewall | <0.50 | 15 | <0.50 | 2.7 | |
| VB-1511C | 7/1/2015 | on-Site (north portion of former building footprint) | 15654409.88 | 1399132.90 | 631.0 | AA22-N | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-1512C | 7/1/2015 | | 15654423.86 | 1399173.39 | 631.0 | EE20 | base | <0.48 | 1.2 | <0.48 | <0.26 | 1.2 |
| VW-1513C | 7/1/2015 | | 15654423.86 | 1399178.39 | 635.5 | EE20-E | sidewall | <0.50 | 2.9 | <0.50 | <0.27 | 2.9 |
| VW-1514C | 7/1/2015 | | 15654418.86 | 1399173.39 | 636.0 | EE20-S | sidewall | <0.51 | 1.5 | <0.51 | <0.28 | 1.5 |
| VW-1515C | 7/1/2015 | | 15654428.86 | 1399173.39 | 635.5 | EE20-N | sidewall | <0.50 | 8.3 | <0.50 | 2.2 | 10.5 |
| VB-1519C | 7/1/2015 | on-Site (north-central portion of former building footprint) | 15654433.90 | 1399073.68 | 636.0 | U19 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VW-1520C | 7/1/2015 | | 15654433.90 | 1399078.68 | 638.0 | U19-E | sidewall | <0.51 | 43 | <0.51 | 9.0 | 52 [2] |
| VW-1521C | 7/1/2015 | | 15654436.40 | 1399068.68 | 638.0 | U19-W | sidewall | <0.50 | 41 | <0.50 | <0.27 | 41 [2] |
| VW-1522C | 7/1/2015 | | 15654437.40 | 1399073.68 | 638.0 | U19 | sidewall | <0.49 | 120 | <0.49 | 20 | 140 [3] |
| VB-1523C | 7/1/2015 | on-Site (north-central re-location area) | 15654440.86 | 1399153.91 | 635.0 | CC18 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-1524C | 7/1/2015 | | 15654439.36 | 1399153.91 | 637.0 | CC18-S | sidewall | <0.52 | <0.63 | <0.52 | <0.28 | 1.8 |
| VW-51524C* | 7/1/2015 | | 15654439.36 | 1399153.91 | 637.0 | CC18-S | sidewall | <0.52 | 1.8 | <0.52 | <0.28 | |
| VW-1525C | 7/1/2015 | | 15654440.86 | 1399158.91 | 637.0 | CC18-E | sidewall | <0.53 | 1.0 | <0.53 | <0.29 | 1.0 |
| VW-1526C | 7/1/2015 | | 15654442.36 | 1399153.91 | 637.0 | CC18 | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-1527C | 7/2/2015 | on-Site (northeast re-location area) | 15654473.84 | 1399174.67 | 636.5 | EE15 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VW-1528C | 7/2/2015 | | 15654478.84 | 1399174.67 | 637.5 | EE15-N | sidewall | <0.53 | 0.75 | <0.53 | <0.29 | 0.75 |
| VW-1529C | 7/2/2015 | | 15654473.84 | 1399179.67 | 637.5 | EE15-E | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-1530C | 7/2/2015 | | 15654476.34 | 1399169.67 | 637.5 | EE15-W | sidewall | <0.49 | 0.98 | <0.49 | 0.56 | 1.54 |
| VB-1531C | 7/2/2015 | on-Site (north-central re-location area) | 15654465.88 | 1399096.94 | 638.2 | W16 | base | <0.50 | 2.8 | <0.50 | <0.27 | 2.8 |
| VW-1532C | 7/2/2015 | | 15654460.88 | 1399096.94 | 639.0 | W16-S | sidewall | <0.49 | 27 | <0.49 | 3.1 | 30.1 [2] |
| VW-1533C | 7/2/2015 | | 15654465.88 | 1399094.44 | 639.0 | W16 | sidewall | <0.50 | 37 | <0.50 | 6.1 | 43.1 [2] |
| VW-1534C | 7/2/2015 | | 15654508.11 | 1399107.95 | 639.0 | X12-E | sidewall | <0.55 | <0.66 | <0.55 | <0.30 | <0.30 |
| VW-1537C | 7/2/2015 | on-Site (north-central portion of former building footprint) | 15654434.11 | 1399158.65 | 635.0 | DD19-W | sidewall | <0.49 | 43 | <0.49 | 6.7 | 49.7 |
| VB-1538C | 7/2/2015 | | 15654434.11 | 1399163.65 | 632.9 | DD19 | base | <0.49 | 2.1 | <0.49 | <0.27 | 2.1 |
| VW-1539C | 7/2/2015 | | 15654429.36 | 1399153.66 | 640.0 | CC19-S | sidewall | <0.48 | 89 | <0.48 | 15 | 104 [3] |
| VW-1540C | 7/2/2015 | | 15654437.11 | 1399163.65 | 635.0 | DD19-N | sidewall | <0.50 | 42 | <0.50 | <0.27 | 42 |
| VW-1541C | 7/2/2015 | | 15654434.11 | 1399168.65 | 635.0 | DD19-E | sidewall | <0.48 | 32 | <0.48 | <0.26 | 32 |
| VB-1542C | 7/2/2015 | | 15654377.69 | 1399022.17 | 641.3 | P25 | base | <0.51 | 32 | <0.51 | <0.28 | 32 [2] |
| VB-1543C | 7/2/2015 | | 15654367.69 | 1399021.92 | 641.3 | P26 | base | <0.50 | 110 | <0.50 | <0.27 | 110 [3] |
| VB-1544C | 7/2/2015 | | 15654387.43 | 1399032.42 | 641.3 | Q24 | base | <0.51 | 240 | <0.51 | <0.28 | 240 [3] |
| VB-1545C | 7/2/2015 | | 15654377.43 | 1399032.17 | 641.3 | Q25 | base | <0.51 | 35 | <0.51 | 8.0 | 43 [2] |
| VB-1546C | 7/2/2015 | | 15654367.44 | 1399031.91 | 641.3 | Q26 | base | <0.52 | 8.6 | <0.52 | <0.28 | 8.6 |
| VW-1547C | 7/2/2015 | | 15654441.40 | 1399073.68 | 637.0 | U19-N | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VW-1548C | 7/2/2015 | | 15654387.68 | 1399017.43 | 643.0 | P24-W | sidewall | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |
| VW-1549C | 7/2/2015 | | 15654377.69 | 1399017.17 | 643.0 | P25-W | sidewall | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VW-1550C | 7/2/2015 | | 15654367.69 | 1399016.92 | 643.0 | P26-W | sidewall | <0.51 | 1.6 | <0.51 | <0.28 | 1.6 |
| VW-1551C | 7/2/2015 | | 15654357.69 | 1399016.66 | 643.0 | P27-W | sidewall | <0.52 | 27 | <0.52 | <0.28 | 27 [2] |
| VW-1552C | 7/2/2015 | | 15654347.70 | 1399016.41 | 642.0 | P28-W | sidewall | <0.51 | 4.2 | <0.51 | <0.28 | 4.2 |
| VW-1553C | 7/2/2015 | | 15654337.70 | 1399016.15 | 642.0 | P29-W | sidewall | <0.50 | <0.61 | <0.50 | <0.28 | <0.28 |
| VW-1554C | 7/2/2015 | | 15654329.70 | 1399021.15 | 642.0 | P29-S | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VW-1555C | 7/2/2015 | | 15654397.68 | 1399022.68 | 643.0 | P23 | sidewall | <0.52 | <0.63 | <0.52 | <0.29 | <0.29 |

*Notes:*

| | |
|---|---|
| | shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location |
| [1] | total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area) |
| [2] | total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area) |
| [3] | total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion) |

refer to laboratory reports in Appendix 5 for data qualifiers

* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table

** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram
PCBs - polychlorinated biphenyls
VB - verification base sample
VW - verification wall sample

**TABLE 15B**

**SUMMARY OF POST-EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS - ON-SITE PCB-IMPACTED SOIL REMOVAL**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | | | | | | PCBs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GENERAL AREA | COORDINATES** NORTHING | COORDINATES** EASTING | SAMPLE ELEVATION** (feet Mean Sea Level) | GRID # | SIDEWALL/BASE | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| VW-1556C | 7/2/2015 | on-Site (north-central portion of former building footprint) | 15654329.95 | 1399031.15 | 642.0 | Q29-S | sidewall | <0.53 | <0.64 | <0.53 | <0.29 | <0.29 |
| VW-1557C | 7/2/2015 | | 15654329.69 | 1399041.15 | 642.0 | R29-S | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VB-1558C | 7/2/2015 | | 15654387.68 | 1399022.43 | 641.3 | P24 | base | <0.50 | 57 | <0.50 | <0.27 | 57 [2] |
| VB-1559C | 7/2/2015 | | 15654357.69 | 1399021.66 | 641.3 | P27 | base | <0.51 | 7.0 | <0.51 | <0.28 | 7.0 |
| VB-1560C | 7/2/2015 | | 15654347.70 | 1399021.41 | 641.3 | P28 | base | <0.53 | 100 | <0.53 | <0.29 | 100 [3] |
| VB-1561C | 7/2/2015 | | 15654337.70 | 1399021.15 | 641.3 | P29 | base | <0.54 | <0.66 | <0.54 | <0.30 | <0.30 |
| VB-1562C | 7/2/2015 | | 15654337.45 | 1399031.15 | 641.5 | Q29 | base | <0.54 | <0.65 | <0.54 | <0.29 | <0.29 |
| VB-1563C | 7/2/2015 | | 15654337.19 | 1399041.15 | 641.5 | R29 | base | <0.52 | <0.63 | <0.52 | <0.28 | <0.28 |
| VB-51563C* | 7/2/2015 | | 15654337.19 | 1399041.15 | 641.5 | R29 | base | <0.53 | <0.64 | <0.53 | <0.29 | |
| VB-1568C | 7/7/2015 | | 15654367.69 | 1399021.92 | 641.0 | P26 | base | <0.010 | 0.11 | <0.010 | <0.0055 | 0.11 |
| VB-1569C | 7/7/2015 | | 15654347.70 | 1399021.41 | 640.4 | P28 | base | <0.10 | 38 | <0.10 | <0.056 | 38 [2] |
| VB-1570C | 7/7/2015 | | 15654387.43 | 1399032.42 | 640.9 | Q24 | base | <0.010 | <0.012 | <0.010 | <0.0055 | <0.0055 |
| VB-1571C | 7/7/2015 | | 15654347.44 | 1399031.41 | 640.4 | Q28 | base | <0.011 | 3.7 | <0.011 | <0.0058 | 3.7 |
| VB-1572C | 7/7/2015 | | 15654578.13 | 1399007.26 | 637.6 | N5 | base | <0.0097 | <0.012 | <0.0097 | <0.0053 | <0.0053 |
| VB-1573C | 7/7/2015 | | 15654588.38 | 1399000.02 | 637.6 | M4 | base | <0.0096 | <0.012 | <0.0096 | <0.0052 | <0.0052 |
| VW-1574C | 7/7/2015 | | 15654588.38 | 1398997.52 | 641.0 | M4 | sidewall | <0.010 | 0.052 | <0.010 | <0.0055 | 0.052 |
| VW-1575C | 7/7/2015 | | 15654583.38 | 1399000.02 | 641.0 | M4-S | sidewall | <0.010 | 2.1 | <0.010 | 0.51 | 2.61 |
| VW-1576C | 7/7/2015 | | 15654578.13 | 1399012.26 | 641.0 | N5-E | sidewall | <0.052 | 22 | <0.052 | <0.028 | 22 |
| VW-1577C | 7/7/2015 | | 15654578.13 | 1399002.26 | 641.0 | N5-W | sidewall | <0.010 | 4.6 | <0.010 | <0.0057 | 4.6 |
| VW-1578C | 7/7/2015 | | 15654573.13 | 1399007.26 | 641.0 | N5-S | sidewall | <0.051 | 13 | <0.051 | <0.028 | 13 |
| VW-51578C* | 7/7/2015 | | 15654573.13 | 1399007.26 | 641.0 | N5-S | sidewall | <0.051 | 13 | <0.051 | <0.028 | |
| VB-1579C | 7/7/2015 | | 15654587.87 | 1399017.51 | 634.3 | O4 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-1580C | 7/7/2015 | | 15654587.62 | 1399027.51 | 634.3 | P4 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-1581C | 7/7/2015 | | 15654584.87 | 1399037.51 | 634.3 | Q4 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VB-1582C | 7/7/2015 | on-Site (north portion of former building footprint) | 15654431.86 | 1399153.66 | 632.1 | CC19 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VW-1583C | 7/7/2015 | | 15654434.36 | 1399153.66 | 636.0 | CC19 | sidewall | <0.49 | 70 | <0.49 | <0.27 | 70 |
| VW-1584C | 7/7/2015 | | 15654431.86 | 1399148.66 | 636.0 | CC19-W | sidewall | <0.51 | 30 | <0.51 | 6.1 | 36.1 |
| VB-1585C | 7/8/2015 | on-Site (northwest re-location area) | 15654399.72 | 1398942.71 | 640.8 | H23 | base | <0.0097 | <0.012 | <0.0097 | <0.0053 | <0.0053 |
| VB-1586C | 7/8/2015 | on-Site (north-central portion of former building footprint) | 15654377.69 | 1399022.17 | 641.2 | P25 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-1587C | 7/8/2015 | | 15654387.68 | 1399022.43 | 641.3 | P24 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VB-1588C | 7/8/2015 | | 15654357.95 | 1399014.17 | 639.9 | O27 | base | <0.48 | 0.63 | <0.48 | <0.26 | 0.63 |
| VW-1589C | 7/8/2015 | | 15654352.95 | 1399014.17 | 641.0 | O27-S | sidewall | <0.51 | 37 | <0.51 | <0.28 | 37 [2] |
| VW-1590C | 7/8/2015 | | 15654362.95 | 1399014.17 | 641.0 | O27-N | sidewall | <0.53 | <0.63 | <0.53 | <0.29 | <0.29 |
| VW-1591C | 7/8/2015 | | 15654357.95 | 1399011.67 | 641.0 | O27 | sidewall | <0.51 | 8.2 | <0.51 | <0.28 | 8.2 |
| VB-1592C | 7/8/2015 | | 15654357.44 | 1399031.66 | 640.2 | Q27 | base | <0.53 | 50 | <0.53 | <0.29 | 50 [2] |
| VB-1593C | 7/8/2015 | | 15654347.70 | 1399021.41 | 639.9 | P28 | base | <0.54 | 6.7 | <0.54 | <0.29 | 6.7 |
| VB-1594C | 7/8/2015 | | 15654377.43 | 1399032.17 | 640.7 | Q25 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-1595C | 7/8/2015 | | 15654376.93 | 1399052.16 | 640.9 | S25 | base | <0.51 | <0.62 | <0.51 | <0.28 | <0.28 |
| VB-1596C | 7/8/2015 | | 15654367.18 | 1399041.91 | 640.9 | R26 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-1597C | 7/8/2015 | | 15654387.18 | 1399042.42 | 640.4 | R24 | base | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-1598C | 7/8/2015 | on-Site (north-central re-location area) | 15654466.13 | 1399086.94 | 638.2 | V16 | base | <0.48 | <0.58 | <0.48 | <0.26 | <0.26 |
| VW-1599C | 7/8/2015 | | 15654471.13 | 1399086.94 | 639.0 | V16-N | sidewall | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VW-1600C | 7/8/2015 | | 15654466.13 | 1399084.44 | 639.0 | V16 | sidewall | <0.52 | <0.62 | <0.52 | <0.28 | <0.28 |
| VW-1601C | 7/8/2015 | | 15654455.88 | 1399096.68 | 637.5 | W17 | sidewall | <0.51 | <0.61 | <0.51 | <0.28 | <0.28 |
| VB-1602C | 7/9/2015 | on-Site (north-central portion of former building footprint) | 15654357.44 | 1399031.66 | 637.8 | Q27 | base | <0.49 | <0.59 | <0.49 | <0.27 | <0.27 |
| VB-51602C* | 7/9/2015 | | 15654357.44 | 1399031.66 | 637.8 | Q27 | base | <0.49 | <0.59 | <0.49 | <0.26 | |
| VB-1603C | 7/9/2015 | | 15654359.43 | 1399051.65 | 638.8 | S27 | base | <0.50 | <0.60 | <0.50 | <0.27 | <0.27 |
| VW-1604C | 7/9/2015 | | 15654347.95 | 1399013.91 | 640.0 | O28 | sidewall | <0.51 | 1.7 | <0.51 | <0.28 | 1.7 |
| VB-1654C | 7/14/2015 | on-Site (southeast discharge area) | 15654192.92 | 1399207.53 | 638.0 | II43 | base | <0.011 | 0.09 | <0.011 | 0.027 | 0.117 |
| VW-1656C | 7/14/2015 | | 15654187.92 | 1399207.53 | 639.0 | II43-S | sidewall | <0.011 | 0.037 | <0.011 | 0.035 | 0.072 |
| VW-1659C | 7/14/2015 | | 15654192.92 | 1399202.53 | 639.0 | II43-W | sidewall | <0.011 | 0.047 | <0.011 | <0.0057 | 0.047 |

*Notes:*

shading: verification sample concentration greater than on-Site soil removal criteria (or cap system criteria for re-located soil); additional soil removal and subsequent additional verification sample collection conducted at this location

[1] total PCBs > 0.744 mg/kg (greater than cap system criteria for Topsoil Cover Area for on-Site placement within Clay Cap Area)

[2] total PCBs > 25 mg/kg (greater than cap system criteria for Soil Cover Area for on-Site placement within Clay Cap Area)

[3] total PCBs > 100 mg/kg (greater than on-Site PCB-impacted soil removal criterion)

refer to laboratory reports in Appendix 5 for data qualifiers

* - field duplicate sample; the highest concentration detected between the field duplicate and parent sample is included in the table

** - horizontal coordinates referenced to UTM 16 North, vertical datum referenced to National Geodetic Vertical Datum (NGVD)1929

mg/kg - milligrams per kilogram

PCBs - polychlorinated biphenyls

VB - verification base sample

VW - verification wall sample

**TABLE 16**

**SUMMARY OF FOUNDATION CONCRETE CHARACTERIZATION SAMPLE ANALYTICAL RESULTS**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| SAMPLE ID | SAMPLE DATE | SAMPLE LOCATION | PCBs | | | | |
|---|---|---|---|---|---|---|---|
| | | | AROCLOR 1242 [mg/kg] | AROCLOR 1248 [mg/kg] | AROCLOR 1254 [mg/kg] | AROCLOR 1260 [mg/kg] | TOTAL [mg/kg] |
| CS-01-2015 | 5/27/2015 | east foundation wall | ND | 1.8 | ND | ND | 1.8 |
| CS-02-2015 | 5/29/2015 | east foundation wall | ND | 0.81 | ND | ND | 0.81 |
| CS-03-2015 | 6/4/2015 | east/southeast corner foundation wall | ND | 0.60 | ND | ND | 0.60 |
| CS-04-2015 | 6/4/2015 | west foundation wall | ND | 0.084 | ND | ND | 0.084 |
| CS-05-2015 | 6/10/2015 | concrete slurry material (interior UST) | ND | 0.098 | ND | ND | 0.098 |
| CS-06-2015 | 6/11/2015 | wall between trimming room and die cast area | ND | 2.3 | ND | ND | 2.3 |
| CS-07-2015 | 6/12/2015 | north foundation wall | ND | 1.5 | ND | ND | 1.5 |
| CS-08-2015 | 6/17/2015 | northeast foundation wall | ND | 1.3 | ND | ND | 1.3 |
| CS-09-2015 | 7/6/2015 | southeast foundation footing | ND | 0.14 | ND | ND | 0.14 |
| CS-10-2015 | 7/9/2015 | manholes and foundation footings | ND | 0.36 | ND | 0.12 | 0.48 |

*Notes:*

mg/kg - milligrams per kilogram

ND - not detected (refer to laboratory reports in Appendix 5 for reporting/detection limits and for data qualifiers)

PCBs - polychlorinated biphenyls

UST - underground storage tank

**TABLE 17**

**SUMMARY OF EXCAVATION WATER SAMPLE ANALYTICAL RESULTS**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| **Sample ID** | WC-W01 | WC-W02 | W-001 | W-002 | WC-W03 | W-003 | W-004 | W-005 | SW-01 | SW-02 | WC-W04 | WC-W05 | WC-W06 | WC-W07 | NR 140 PAL/on-Site discharge criteria (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date Sampled** | 4/10/2015 | 4/10/2015 | 4/16/2015 | 4/16/2015 | 5/27/2015 | 5/29/2015 | 6/4/2015 | 6/4/2015 | 6/24/2015 | 6/24/2015 | 7/6/2015 | 7/6/2015 | 7/6/2015 | 7/6/2015 | |
| **Location** | east off-Site | east off-Site | frac tank #1 | frac tank #2 | poly tanks (mid-central sewer lateral water) | frac tank #3 (northeast sewer lateral water) | south manhole (grid # N/O42) | north manhole (grid # Y16/17) | on-Site excavation #1 | on-Site excavation #1 | frac tank #1 | frac tank #2 | frac tank #3 | frac tank #4 | |
| **Detected RCRA Metals (µg/l)** | | | | | | | | | | | | | | | |
| Arsenic | **4.5** | **9.5** | -- | -- | 2.4 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1 |
| Barium | 25.7 | 53.6 | -- | -- | 31.2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 400 |
| Cadmium | ND | ND | -- | -- | ND | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.5 |
| Chromium | 4.1 | **11.9** | -- | -- | 0.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 10 |
| Lead | **9.7** | **12.7** | -- | -- | ND | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.5 |
| **VOCs (µg/l)** | | | | | | | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | **57.8** | **32** | **2,300** | **348** | **11** | **270** | **8.0** | 0.30 | **10** | 0.70 | ND | 0.66 | 0.76 | 7 |
| Tetrachloroethene | ND | **52.6** | **320** | **1,600** | **67.2** | **5.0** | **48** | **7.9** | 0.19 | **3.9** | **1.3** | **0.75** | **0.82** | **0.78** | 0.5 |
| Trichloroethene | ND | **15.0** | **9.5** | **560** | **899** | **1.7** | **880** | **2.0** | 0.24 | **49** | **3.5** | ND | **2.9** | **4.9** | 0.5 |
| Vinyl chloride | ND | **4.9** | ND | **150** | **6.9** | **1.3** | **20** | **0.97** | ND | **0.25** | ND | ND | ND | ND | 0.02 |
| **Detected PCBs (µg/l)** | | | | | | | | | | | | | | | |
| Aroclor 1242 | ND | ND | ND | ND | 1.2 | ND | ND | ND | ND | ND | 5.0 | 2.7 | 7.0 | 6.9 | -- |
| Aroclor 1248 | 0.84 | 12.8 | 3.4 | 2.2 | ND | 3.9 | 0.24 | 1.1 | 3.8 | 11 | ND | ND | ND | ND | -- |
| Aroclor 1254 | 0.46 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | -- |
| Aroclor 1260 | 0.24 | ND | 0.14 | 0.073 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | -- |
| Total PCBs | **1.54** | **12.8** | **3.54** | **2.273** | **1.2** | **3.9** | **0.24** | **1.1** | **3.8** | **11** | **5.0** | **2.7** | **7.0** | **6.9** | 0.003 |

*Notes:*

bold - concentration exceeds NR 140 PAL (on-Site discharge criteria)

boxed - concentration exceeds TSCA Regulatory Level of 3 µg/l

-- - not analyzed or not established

ND - not detected (refer to laboratory reports in Appendix 5 for reporting/detection limits and for data qualifiers)

NR 140 PAL - Wisconsin Administrative Code Chapter NR 140 preventive action limit

PCBs - polychlorinated biphenyls

RCRA - resource conservation and recovery act

TSCA - toxic substances control act

µg/l - micrograms per liter

VOCs - volatile organic compounds (primary VOCs of concern are included in the table)

**TABLE 18**

**EXCAVATION WATER DISPOSAL SUMMARY**

Milwaukee Die Casting Company (MDCC) Site
4132 North Holton Street
Milwaukee, Wisconsin

| Transport Date | Disposal Facility Waste Name | Waste Profile ID | Manifest Number | Quantity (Gallons) |
|---|---|---|---|---|
| **CLEAN HARBORS, CINCINNATI, OHIO (FACILITY EPA ID OHD000816629)** | | | | |
| 06/23/2015 | STORMWATER AND GROUNDWATER FROM SITE EXCAVATION | CH991020 | 679231WAS | 5,000 |
| 06/23/2015 | STORMWATER AND GROUNDWATER FROM SITE EXCAVATION | CH991020 | 678232WAS | 5,000 |
| 06/24/2015 | STORMWATER AND GROUNDWATER FROM SITE EXCAVATION | CH991020 | 678233WAS | 5,000 |
| 06/24/2015 | STORMWATER AND GROUNDWATER FROM SITE EXCAVATION | CH991020 | 678234WAS | 5,000 |
| 06/25/2015 | STORMWATER AND GROUNDWATER FROM SITE EXCAVATION | CH991020 | 678235WAS | 5,000 |
| 06/25/2015 | STORMWATER AND GROUNDWATER FROM SITE EXCAVATION | CH991020 | 678236WAS | 5,000 |
| 06/28/2015 | STORMWATER AND GROUNDWATER FROM SITE EXCAVATION | CH991020 | 678237WAS | 5,000 |
| 06/28/2015 | STORMWATER AND GROUNDWATER FROM SITE EXCAVATION | CH991020 | 678238WAS | 5,000 |
| 06/28/2015 | STORMWATER AND GROUNDWATER FROM SITE EXCAVATION | CH991020 | 678239WAS | 5,000 |
| 06/28/2015 | STORMWATER AND GROUNDWATER FROM SITE EXCAVATION | CH991020 | 678240WAS | 5,000 |
| 06/29/2015 | STORMWATER AND GROUNDWATER FROM SITE EXCAVATION | CH991020 | 678210WAS | 5,000 |
| 06/29/2015 | STORMWATER AND GROUNDWATER FROM SITE EXCAVATION | CH991020 | 678211WAS | 5,000 |
| 06/29/2015 | STORMWATER AND GROUNDWATER FROM SITE EXCAVATION | CH991020 | 678212WAS | 5,000 |
| 06/29/2015 | STORMWATER AND GROUNDWATER FROM SITE EXCAVATION | CH991020 | 678213WAS | 5,000 |
| 07/19/2015 | NON-RCRA STORM AND GROUNDWATER FROM SITE EXCAVATION | CH1030252 | 1993423 | 5,000 |
| 07/19/2015 | NON-RCRA STORM AND GROUNDWATER FROM SITE EXCAVATION | CH1030252 | 1993422 | 5,000 |
| 07/20/2015 | NON-RCRA STORM AND GROUNDWATER FROM SITE EXCAVATION | CH1030252 | 1993424 | 5,000 |
| 07/20/2015 | NON-RCRA STORM AND GROUNDWATER FROM SITE EXCAVATION | CH1030252 | 1993425 | 5,000 |
| 07/26/2015 | NON-RCRA STORM AND GROUNDWATER FROM SITE EXCAVATION | CH1030252 | 1993426 | 5,000 |
| 07/26/2015 | NON-RCRA STORM AND GROUNDWATER FROM SITE EXCAVATION | CH1030252 | 1993427 | 5,000 |
| 07/26/2015 | NON-RCRA STORM AND GROUNDWATER FROM SITE EXCAVATION | CH1030252 | 1993428 | 5,000 |
| 07/27/2015 | NON-RCRA STORM AND GROUNDWATER FROM SITE EXCAVATION | CH1030252 | 1993429 | 5,000 |
| 07/27/2015 | NON-RCRA STORM AND GROUNDWATER FROM SITE EXCAVATION | CH1030252 | 1993430 | 5,000 |
| 07/27/2015 | NON-RCRA STORM AND GROUNDWATER FROM SITE EXCAVATION | CH1030252 | 1993431 | 5,000 |
| 08/02/2015 | NON-RCRA STORM AND GROUNDWATER FROM SITE EXCAVATION | CH1030252 | 1993432 | 5,000 |
| 08/02/2015 | STORMWATER AND GROUNDWATER FROM SITE EXCAVATION | CH991020 | 694416WAS | 5,000 |
| **ADVANCED DISPOSAL EMERALD PARK LANDFILL, MUSKEGO, WISCONSIN (FACILITY EPA ID WIR000003012)** | | | | |
| 07/22/2015 | WATER | EPL2015- | 188312 | 5,000 |
| 07/22/2015 | WATER | EPL2015- | 188313 | 5,000 |
| | | | **TOTAL** | **140,000** |

*Notes:*
RCRA - Resource Conservation and Recovery Act

**TABLE 19**

**SUMMARY OF IMPORTED GRADING AND CAPPING MATERIAL INFORMATION**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| Borrow Material Type | Borrow Source | Sample ID | | Approximate Imported Volume (tons) | Number of Samples Collected | |
|---|---|---|---|---|---|---|
| | | Environmental | Geotechnical | | Environmental* | Geotechnical/Physical* |
| stone/granular fill | Lannon Stone (Richfield and Jackson Quarries) | Fill-01-15 to Fill-03-15 and LS-TA 1 to LS-TA-11 | Fill 01-2015, Base | 4,300 | 14 | 2 |
| common fill/clay | Advanced Disposal (Emerald Park) | Clay-01-15 to Clay-04-15 and EP-01 to EP-50 | Clay 01-2015, Fill 02-2015, Fill 03-2015 | 16,000 | 54 | 3 |
| clay cap | | | Clay Cap #2 and Clay Cap #4 | | | 2 |
| topsoil | Lueders Lawn Seeding & Trucking, Inc. | LTS-3, LTS-3A to LTS-3I and LTS-3K to LTS-3N, LTSM-1 to LTSM-4, and MF-1 to MF-4 | LTS, and LTS M | 6,400 | 21 | 2 |

*Notes:*

refer to Appendix 5 for environmental sample laboratory analytical reports and Appendix 11 for geotechnical sample laboratory testing reports

* laboratory testing confirmed the soil met the chemical and physical material specifications provided in the 3 March 2014 Second Work Plan

**TABLE 20**

**SUMMARY OF IMPORTED CLAY CAP MATERIAL DATA**

**Milwaukee Die Casting Company (MDCC) Site**
4132 North Holton Street
Milwaukee, Wisconsin

| **Clay Cap Compaction Criteria:** | | |
|---|---|---|
| Maximum Loose Lift Thickness | 8 | inches |
| Minimum Number of In-Place Density Tests | 5 | per acre per lift |
| Clay Cap Area | 29,811 | square feet (sf) |
| Clay Cap Area | 0.68 | acres |
| Minimum Number of Tests per Lift | 4 (1) | per lift |
| Minimum In-Place Density | 90% | % of Max Dry Density; Modified Proctor (ASTM 1557) |

| **Clay Laboratory Testing Data:** | | |
|---|---|---|
| Maximum Dry Density (ASTM 1557) | 126.5 | pounds per cubic foot (pcf) |

| **Cap System** | **Lift No.** | **Test Location (Site Grid)** | **Test Date** | **Loose Lift Thickness Measurement** (inches) | **Compacted Lift In-Place Density Testing** | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **Field Moisture (%)** | **Field Density (pcf)** | **Field Dry Density (pcf)** | **% Max Dry Density** | **Pass/Fail** |
| Clay Cap | 1 | X21 | 8/24/2015 | ≤ 8 | 14.8 | 138.9 | 121.0 | 95.7 | PASS |
| | | Y26 | 8/24/2015 | ≤ 8 | 15.0 | 139.5 | 121.3 | 95.9 | PASS |
| | | V36 | 8/24/2015 | ≤ 8 | 13.7 | 136.9 | 120.4 | 95.2 | PASS |
| | | EE34 | 8/25/2015 | ≤ 8 | 12.9 | 137.2 | 121.5 | 96.0 | PASS |
| | | HH22 | 8/25/2015 | ≤ 8 | 14.0 | 140.2 | 123.0 | 97.2 | PASS |
| | 2 | BB36 | 8/26/2015 | ≤ 8 | 16.3 | 134.7 | 115.8 | 91.5 | PASS |
| | | V30 | 8/26/2015 | ≤ 8 | 15.5 | 138.6 | 120.0 | 94.9 | PASS |
| | | BB28 | 8/26/2015 | ≤ 8 | 11.0 | 134.3 | 121.0 | 95.7 | PASS |
| | | HH27 | 8/26/2015 | ≤ 8 | 15.8 | 136.9 | 118.2 | 93.4 | PASS |
| | | CC21 | 8/26/2015 | ≤ 8 | 23.2 | 126.2 | 102.4 | 80.9 | FAIL (2) |
| | | CC21 | 8/27/2015 | ≤ 8 | 14.3 | 136.7 | 119.6 | 94.5 | PASS |
| | 3 | II29 | 8/27/2015 | ≤ 8 | 18.8 | 132.8 | 111.8 | 88.4 | FAIL (3) |
| | | W30 | 8/28/2015 | ≤ 8 | 17.2 | 132.4 | 113.0 | 89.3 | FAIL (3) |
| | | DD27 | 8/28/2015 | ≤ 8 | 20.5 | 132.3 | 109.8 | 86.8 | FAIL (3) |
| | | V33 | 9/2/2015 | ≤ 8 | 16.1 | 136.7 | 117.7 | 93.0 | PASS |
| | | W24 | 9/2/2015 | ≤ 8 | 15.1 | 134.7 | 117.0 | 92.5 | PASS |
| | | AA27 | 9/2/2015 | ≤ 8 | 14.1 | 137.0 | 120.1 | 94.9 | PASS |
| | | FF35 | 9/2/2015 | ≤ 8 | 15.8 | 136.4 | 117.8 | 93.1 | PASS |
| | | DD23 | 9/2/2015 | ≤ 8 | 16.2 | 137.2 | 118.1 | 93.4 | PASS |

(1) *five tests per lift were conducted in a general "dice" pattern*

(2) *lift area of failing test (8/26) was disced, recompacted, and retested (8/27)*

(3) *following three 3 failing tests for a portion of Lift No. 3 on 8/27 and 8/28, the entire Lift No. 3 was disced, recompacted, and retested on 9/2*

*Prepared for*

Pharmacia, LLC

# FINAL REPORT

## MILWAUKEE DIE CASTING COMPANY (MDCC) SITE
**4132 North Holton Street**
**Milwaukee, Wisconsin**

CERCLIS ID#WIN000510552
RCRA ID#WID006102305

*Prepared by*

Geosyntec consultants

10600 N. Port Washington Road, Suite 100
Mequon, Wisconsin 53092
Project Number CHW8271

June 7, 2018

**FINAL REPORT**

**MILWAUKEE DIE CASTING COMPANY (MDCC) SITE**
4132 North Holton Street
Milwaukee, Wisconsin

CERCLIS ID#WIN000510552
RCRA ID#WID006102305

*Prepared for*

Pharmacia, LLC

*Prepared by*

Geosyntec Consultants
10600 N. Port Washington Road, Suite 100
Mequon, Wisconsin 53092
Project Number CHW8271

June 7, 2018

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Certification statement moved from section 1.1, page 2 of 10-31-17 draft report.

## CERTIFICATION

In accordance with Paragraph 22 of Section VIII of the Administrative Settlement Agreement and Order on Consent for Removal Action (AOC), Docket No. V-W-13-C-007, with the United States Environmental Protection Agency (USEPA), effective date March 12, 2013, the following certification statement is provided for this Final Report:

*"Under penalty of law, I certify to the best of my knowledge, after appropriate inquires of all relevant persons involved in the preparation of the report, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."*

Jeffrey Tracy, P.G.,
Project Coordinator for the Respondents
BSI Services and Solutions

Steven F. Kemp
Vice President
Pharmacia, LLC, on behalf of the Respondents

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(PROVIDED ELECTRONICALLY)

# 1. INTRODUCTION

Geosyntec Consultants (Geosyntec) has prepared this Final Report documenting removal action activities at the Milwaukee Die Casting Company (MDCC) site located at 4132 North Holton Street, Milwaukee, Wisconsin ("Site") on behalf of Pharmacia, LLC (Pharmacia). The Site has been owned by the Redevelopment Authority of the City of Milwaukee (RACM) since April 2013. The Site location is depicted on **Figure 1**.

Pharmacia is acting on behalf of the Respondents to the Administrative Settlement Agreement and Order on Consent for Removal Action (AOC), Docket No. V-W-13·C-007, with the United States Environmental Protection Agency (USEPA), effective date March 12, 2013.

This Final Report documents the actions taken by the Respondents as set forth in the AOC. The "Work to be Performed", as defined in Paragraph 16 of Section VIII of the AOC, was as follows:

a. Develop and implement Air Monitoring Plan, Emergency Contingency Plan, Site Security Plan, and Storm Water Management Plan.
b. Inspect, clean, and seal sewer laterals, and remove the mid-central lateral.
c. Identify and remove free product and sources of free product.
d. Excavate and dispose of off-site soils contaminated with polychlorinated biphenyls (PCBs) and chlorinated solvents in unsaturated soils.
e. Identify, remove, and properly dispose of asbestos containing materials.
f. Demolish the remnants of the building.
g. Decommission tunnel system beneath building.
h. Excavate and dispose of on-site unsaturated soils contaminated by chlorinated solvents.
i. Excavate and dispose of PCB bulk remediation waste not included in 16c and 16d.
j. Conduct post-excavation sampling to verify clean-up.
k. Establish a cap for the Site and restore vegetative cover.
l. Establish institutional controls.

A detailed summary and chronology of the removal action activities, and how the activities specifically relate to the work, are documented in the Monthly Progress Reports provided in **Appendix 1**.

## 1.1 Purpose and Certification

This Final Report was prepared in accordance with Paragraph 22 of Section VIII of the AOC ("Final Report"). This report was prepared in general conformance with "Exhibit 5. Outline of an OSC Report" in the USEPA guidance document entitled "Superfund Removal Procedures Removal Response Reporting: POLREPs and OSC Reports" (USEPA, 1994).

## 1.2 Contents

This Final Report provides a narrative summary of the completed removal action activities and includes the following supporting removal action documentation:

- Tabulated summary of removal action project plans and reports;
- Detailed monthly progress reports and a tabulated chronology of removal action activities;
- Photographs of removal action activities;
- Tabulated summary and copies of project permits and notifications; and copies of out-of-state waste shipment notifications;
- Tabulated ambient air monitoring information;
- Tabulated analytical data, and copies of data validation summary reports and laboratory analytical reports;
- North and mid-central storm sewer removal documentation;
- Tabulated waste disposal information (transport dates, disposal facility waste names, waste profile numbers, manifest numbers, and quantities); and copies of waste disposal profile documentation, manifests, and certificates of disposal and destruction;
- Groundwater monitoring well abandonment forms;
- Underground storage tank (UST) removal/closure documentation;
- Tabulated Clay Cap material geotechnical and field compaction testing data and copies of grading and capping geotechnical testing and field compaction reports;
- Figures depicting supplemental soil characterization sample locations; soil removal areas, depths, and post-excavation verification sample locations; sewer/piping and UST removal locations; and as-built Site cap systems; and
- Final stabilization (vegetative cover) documentation.

This Final Report includes a summary of the pre-removal action Site conditions, a description of the removal action effectiveness, a summary of the resources committed to complete the removal action, a summary of the problems encountered during the removal action and the resolutions implemented, and stakeholder and community

involvement. This Final Report does not reiterate the removal action procedures or methods. The removal action activities were conducted in accordance with the procedures and methods documented in USEPA-approved project plans summarized in **Table 1**.

## 1.3 Report Organization

The Final Report narrative is organized as follows:

- Section 1: an introduction, including the purpose, content, and organization of the report;
- Section 2: pre-removal action Site conditions;
- Section 3: summary of removal action activities;
- Section 4: removal action effectiveness;
- Section 5: resources committed;
- Section 6: problems encountered and resolutions;
- Section 7: stakeholder and community involvement; and
- Section 8: report references.

# 2. PRE-REMOVAL ACTION SITE CONDITIONS

This section provides a summary of salient pre-removal action background information including physical Site conditions and historical Site characterization and environmental response activities. Detailed Site background information, including pre-removal action Site conditions, is detailed in the project plans and reports listed in **Table 1**.

## 2.1 Pre-Removal Action Physical Site Conditions

Prior to Site removal action activities, the approximately 3.7-acre Site was developed with a centrally-located, approximately 70,000-square-foot industrial building. The building was constructed in 1952 with an addition constructed in 1964. Areas north and south of the building were predominantly asphalt-paved drives and parking areas. A maintained grass area was located on the west and south-west sides of the building and a tree and brush covered area (designated the "disturbed soil area") was located in the northeast portion of the Site.

The former building consisted of three general areas: (i) a Die Cast Area, which historically contained the die casting machines, generally comprised the east half of the building; (ii) a Trimming Room generally comprised the west half of the building; and (iii) an Office Area was located west of the Trimming Room. The Die Cast Area included a sub-floor tunnel system. A boiler room and loading dock were located on the south side of the Trimming Room. The Office Area was comprised of an upper level (offices, reception, and storage) and a lower level (cafeteria, first aid room, and men's and women's locker rooms).

Die casting operations ceased in 1997. Per historical reports, die casting operations utilized phosphate ester oil (PEO) hydraulic fluids, which contained PCBs, prior to 1981. Per the AOC, PEO was used "...in the hydraulic lines running to the die casting machines at the Site," and, "After 1972, the Milwaukee Die Casting Company purchased non-PCB containing oil to replace PEO; however, EPA alleges that the PEO was not flushed from the die casting machines until 1980 and not removed from the Site until 1991" (USEPA, 2013). The virgin PEO was stored in an UST formerly located near the northeastern corner of the building. Spent PEO was stored in an aboveground storage tank (AST) formerly located along the northern exterior wall of the building.

The Die Cast Area tunnel system consisted of two main north-south tunnel segments (the west main tunnel and east main tunnel) that were approximately 175 feet in length and connected on the southern ends by an east-west approximately 50-foot long tunnel

segment (the south main tunnel). Three east-west lateral tunnel segments branched from the east main tunnel to the east. At the eastern end of the south east-west lateral was an approximately 15-foot by 15-foot vault. The main tunnel system depth was measured to be approximately 8 to 9 feet with a width that varied from approximately 3 to 6 feet. The depth of the vault was approximately 14 feet.

There were two primary storm sewer laterals on the Site, designated the "north storm sewer" and the "mid-central storm sewer". Removal action activities included disconnecting the Site storm sewers from the public system and removal/ abandonment of the storm sewers (refer to Section 3.7). The sanitary sewer system associated with the former building was decommissioned and disconnected from the public system prior to the AOC (refer to Section 2.2).

Pre-removal action Site conditions are depicted on **Figure 2** (pre-demolition; April 2014 aerial photograph) and on **Figure 3** (Pre-Removal Action Site Conditions Map).

## 2.2 Historical Site Characterization and Response Activities

Historical Site characterization activities were conducted between approximately 1991 and 2012. These characterization activities revealed PCB impacts to the following:

- Building materials including concrete floors and block walls, steel columns, and various other building materials;
- Accumulated water in the Die Cast Area tunnel system;
- Mid-central storm sewer residual contents;
- On-Site soil; and
- Off-Site soil, proximate to the east and north Site boundaries.

Historical Site characterization activities also revealed chlorinated volatile organic compound (CVOC) impacts to on-Site soil and proximate Off-Site soil to the east. Historical Site characterization data are referenced and summarized in the project plans and reports listed in **Table 1**. Characterization data collected by the USEPA and Wisconsin Department of Natural Resources (WDNR) are documented in the WDNR Preliminary Assessment Report (WDNR, 2012a) and WDNR Screening Site Inspection Report (WDNR, 2012b).

The following environmental response activities were conducted at the Site in 2008:

- Decommissioning and abandonment of all sanitary service connections;
- Removal of more than 100 drums and containers of waste;

- Abatement of select asbestos containing material (ACM) from the Die Cast Area and Trimming Room and isolation of the boiler room due to the presence of ACM;
- Removal of oil from the floor and trenches in the Die Cast Area;
- Pumping of residual liquids from, and cleaning of, the building sumps;
- Removal of oily water from the main tunnel and plugging of the tunnel system floor drains;
- Securing the building; and
- Installing a Site perimeter chain-link fence.

These environmental response activities are documented in a March 23, 2009 Immediate and Remedial Environmental Response Summary Report (ARCADIS, 2009).

Also, a geotextile fabric and stone cover were placed over the courtyard area east of the building in 2010 as documented in the AOC.

# 3. SUMMARY OF REMOVAL ACTION ACTIVITIES

This section provides a narrative summary of the actions undertaken by the Respondents in accordance with the AOC. The removal action activities were generally conducted between May 2013 and September 2015. The chronology of the primary removal action activities is summarized in **Table 2**. A detailed summary and chronology of the removal action activities are documented in the Monthly Progress Reports provided in **Appendix 1**.

Removal action photographs are included in **Appendix 2**. Aerial photographs taken during the period of removal action activities (April 2014, July 2014, and June 2015) are provided on **Figure 2**.

## 3.1 Site Access

Removal action activities were conducted on properties not owned by the Respondents. Pursuant to Section IX of the AOC, the following access agreements were executed between the Respondents and these property owners:

- Site Property (4132 North Holton Street): February 27, 2013 "Remediation, Long-Term Care and Access Agreement Among the Redevelopment Authority of the City of Milwaukee, Fisher Controls International LLC and Pharmacia LLC Regarding the Former Milwaukee Die Casting Site".
- Off-Site Property East of Site Property [4132 (R) N. Holton Street]: March 13, 2013 "Site Access Agreement" between Pharmacia and the City of Glendale (May 6, 2014, Phoenix Cudahy, LLC. Phoenix Cudahy, LLC/Pamida Seven, LLC agreed to the terms and conditions of the "Site Access Agreement" upon their purchase of the property from the City of Glendale).
- Off-Site Property East of Site Property (720 E. Capitol Drive): June 27, 2013 "Site Access Agreement" between Pharmacia and Journal Broadcast Group, Inc. (March 8, 2015, E.W. Scripps Company agreed to the terms and conditions of the "Site Access Agreement" upon their acquisition of Journal Broadcast Group, Inc.).
- Off-Site Properties North of Site Property [4198 and 4198 (AD) N. Holton Street]: March 26, 2013 "Site Access Agreement" between Pharmacia and Phoenix Cudahy, LLC.

## 3.2 Project Plans

The removal action activities were conducted in accordance with the procedures and methods documented in the USEPA-approved project plans. **Table 1** provides a listing of the project plans and associated reports and technical memoranda, including the applicable paragraph number of Section VIII of the AOC (i.e., 16, 17, 18, 19, and 20) and the title, author, date, and the USEPA approval date of the document.

## 3.3 Site Characterization

Site characterization activities were conducted between June 2013 and August 2014 to support the removal action. These activities included building material characterization, on-Site and off-Site soil characterization, asphalt pavement characterization, and mid-central sewer characterization.

The Site characterization activities, including data validation summary reports and laboratory analytical reports, were documented and provided to the USEPA in project plans and reports submitted in the course of conducting the work and listed in **Table 1**. Mid-central sewer characterization data is documented in the USEPA-approved September 12, 2013 revised North and Mid-Central Storm Sewer Removals Technical Memorandum (refer to Section 3.7). Building characterization data, including historical data, are compiled in the November 30, 2013 Building Material Characterization Report. Soil and asphalt pavement characterization data, including historical data and USEPA collected data, are compiled in the USEPA-approved September 30, 2014 Soil Removal and Grading Plan. Supplemental soil and asphalt pavement characterization information is documented in the June 13, 2014 Offsite Soil Boring and Sampling Technical Memorandum and the June 13, 2014 Asphalt Sampling and Analytical Results Technical Memorandum included in **Appendix 3**.

Groundwater characterization was also conducted in August and September 2013 to support a risk-based clean-up of bulk remediation waste in accordance with 40 CFR 761.61(c) as documented in a December 9, 2013 Risk-Based Removal Application (ARCADIS, 2013). The groundwater characterization procedures and results are summarized in the Risk-Based Removal Application and the June 13, 2014 761.61(c) Support Technical Memorandum included in **Appendix 3**. However, in a January 30, 2014 letter (which USEPA acknowledged via email on January 30, 2014), the Respondents notified the USEPA that the application was withdrawn, and that the Respondents intended to conduct a self-implementing cleanup of bulk remediation waste in accordance with 40 CFR 761.61(a).

## 3.4 Permits and Notifications

Removal action activities were conducted pursuant to applicable City of Milwaukee and WDNR permits and notifications. **Table 3** provides a summary of these permits and notifications including: the permit/notification name, identification number, issuing entity, applicant, and date of application, issuance, or approval. Copies of the permits and notifications are included in **Appendix 4**.

In accordance with Paragraph 23 of Section VIII of the AOC, out-of-state waste shipment notifications were made to the appropriate State environmental officials in the receiving facility's state and to the USEPA, prior to off-Site shipment of the waste. Copies of the out-of-state waste shipment notifications are included in **Appendix 4**.

## 3.5 Site and Environmental Monitoring and Controls

Site and environmental monitoring and controls were implemented during removal action activities in accordance with the USEPA-approved project plans. Removal action Site and environmental monitoring and controls generally consisted of the following:

- Site health and safety in accordance with the USEPA-approved July 17, 2013 and the subsequent March 17, 2014 Project Health and Safety Plan as amended March 20, 2015
- Site work contingency/response and spill/release prevention/response in accordance with July 17, 2013 Emergency Contingency Plan.
- Site security in accordance with the USEPA-approved April 19, 2013 Site Security Plan and subsequent Site security protocol updates. Security services were on-Site 24 hours a day, 7 days a week between May 17, 2013 and September 25, 2015.
- Air monitoring and dust control measures in accordance with the USEPA-approved July 17, 2013 Air Monitoring Plan.
- Storm water management, erosion control measures, and monitoring in accordance with the USEPA-approved July 17, 2013 Storm Water Management Plan (and the associated storm water plans listed in **Table 1**), the USEPA-approved April 4, 2014 Demolition Plan and subsequent addenda, the March 3, 2014 Second Work Plan, the USEPA-approved September 30, 2014 Soil Removal and Grading Plan and subsequent addenda, and the permits listed in **Table 3**.
- Equipment decontamination in accordance with the May 28, 2013 First Work Plan, the USEPA-approved April 4, 2014 Demolition Plan and subsequent

addenda, the March 3, 2014 Second Work Plan, and the USEPA-approved September 30, 2014 Soil Removal and Grading Plan and subsequent addenda.

**Table 4** provides a summary of removal action ambient air monitoring alarm information including the Site activity at the time of alarm, the monitor location with the alarm, the alarm type, the alarm time, the monitor reading, the cause of the alarm, resolution, and the alarm cleared time.

**Table 5** provides a summary of the removal action equipment decontamination verification sample analytical results. Equipment decontamination verification sample data validation summary reports and laboratory analytical reports are included in **Appendix 5**.

## 3.6 Initial Site Stabilization, Clearing, and Waste Removal

Initial Site stabilization, clearing, and waste removal activities were conducted between June and November 2013. These activities included the following:

- Secured building windows and doors; and made repairs to the perimeter fence in June 2013.
- Removed and transported abandoned tires to Advanced Disposal's Emerald Park Landfill in Muskego, Wisconsin (EPA ID WIR000003012). Advanced Disposal subsequently transported the tires to Liberty Tire Recycling in Auburndale, Wisconsin in June 2013.
- Removed and transported metal debris (abandoned trailer) to Midwest Forman Recycling in Milwaukee, Wisconsin in June 2013.
- Cleared and chipped areas of on-Site and off-Site vegetation and transported the vegetation to Advanced Disposal's Emerald Park Landfill in August 2013.
- Removed and transported miscellaneous Site non-regulated trash and debris to Advanced Disposal's Emerald Park Landfill in September 2013.
- Installed a temporary fence to secure the east off-Site cleared area in October 2013.
- Removed two drums of fluorescent light ballasts (containerized by a previous Site property owner/occupant) and transported to Veolia Environmental Services (VES) Port Arthur, Texas facility (EPA ID TXD000838896) for Toxic Substances Control Act (TSCA)-regulated waste incineration in November 2013.

Copies of waste treatment/disposal profile documentation, manifests, certificates of disposal/destruction, and land disposal restriction notification forms are included in **Appendix 6**.

## 3.7 North and Mid-Central Storm Sewer Removal

The north storm sewer was inspected, cleaned and abandoned on September 17, 2013 and the mid-central storm sewer was inspected, cleaned and removed between September 17 and 19, 2013 in accordance with the USEPA-approved September 12, 2013 revised North and Mid-Central Storm Sewer Removals Technical Memorandum.

The north and mid-central sewer abandonment and removal activities, including permits, procedures, photographs, figures, and disposal records are documented in the June 10, 2014 Storm Sewer Abandonment and Removal Technical Memorandum included in **Appendix 7** and in the October 10, 2013 Fourth Monthly Progress Report-September 2013 included in **Appendix 1**. Waste treatment/disposal profile documentation, manifests, certificates of disposal/destruction, and land disposal restriction notification forms are included in **Appendix 6**. A summary of the north and mid-central sewer removal permits, and ambient air monitoring information are included in **Table 3** and **Table 4**, respectively.

Impacted soil removal activities were conducted at the former mid-central sewer location in April, May and July 2015 in accordance with the USEPA-approved October 27, 2014 Soil Removal and Grading Plan Addendum No. 1. These activities are summarized in Section 3.11.

## 3.8 Building Demolition

Building demolition activities were conducted between November 2013 and August 2014 and included the following:

- Supplemental building material characterization;
- Pre-demolition waste removal, including asbestos abatement and Universal Waste and other regulated waste removal;
- Pre-demolition Site work; and
- Demolition, including razing the building to the slab and building slab removal (building foundation removal was conducted concurrently with impacted soil removal as described in Section 3.14).

These demolition activities are summarized in the following sections. Photographs depicting building demolition activities are included in **Appendix 2**.

### 3.8.1 Supplemental Building Material Characterization

Supplemental building material characterization samples were collected between November 2013 and May 2014. These supplemental building material characterization data were collected to further evaluate the building materials during the process of work implementation, and these supplemental data were in addition to planned data that were collected and documented in the project reports listed in **Table 1.** The supplemental building material characterization data (sample ID, date, material type, sample locations, and analytical results) are summarized in **Table 6A** (bulk samples), **Table 6B** (wipe samples), and **Table 7** (asbestos samples) as summarized below:

- **Table 6A** includes additional Office Area PCB characterization bulk sample, boiler room floor waste disposal characterization bulk sample, paint and caulk PCB and lead characterization bulk sample, roof PCB characterization bulk (composite) sample, and ACM PCB characterization bulk sample data collected between January and May 2014.
- **Table 6B** includes miscellaneous building material PCB characterization wipe sample, interior ceiling (steel lattice and beams) PCB characterization wipe sample, and Universal Waste and other regulated material PCB characterization and post-cleaning verification wipe sample data collected between February and May 2014.
- **Table 7** includes ACM characterization sample data collected between November 2013 and May 2014.

Supplemental building material characterization data validation summary reports and laboratory analytical reports are included in **Appendix 5.** Supplemental ACM characterization laboratory reports are included in **Appendix 8**.

### 3.8.2 Pre-Demolition Waste Removal

Pre-demolition waste removal activities included asbestos abatement and Universal waste and other regulated building material waste removal.

***Asbestos Abatement***

Pre-demolition asbestos abatement activities were conducted by Balestrieri Environmental & Development, Inc. (Balestrieri) between January and April 2014. Additional asbestos abatement was conducted by Integrity Environmental Services, Inc. (Integrity) during demolition activities in May 2014.

Asbestos abatement containment clearance sampling was conducted by LF Green Development, LLC (LF Green) in February and March 2014. **Table 8** provides a summary of asbestos abatement clearance sample analytical results. Asbestos abatement clearance sample laboratory reports are included in **Appendix 8**.

Asbestos waste was disposed as a TSCA-regulated waste (PCB-impacted friable asbestos waste and PCB-impacted non-friable asbestos waste) and non-TSCA regulated waste (friable asbestos waste and non-friable asbestos waste). The TSCA-regulated asbestos waste was transported to The Environmental Quality Company's (EQ's) Wayne Disposal Landfill in Belleville, Michigan (EPA ID MID048090633) for landfill disposal as summarized in **Table 9A**. The non-TSCA-regulated asbestos waste was transported to Advanced Disposal's Emerald Park Landfill for disposal as summarized in **Table 9B**. **Tables 9A** and **9B** summarize the transport date, disposal facility waste name, waste profile ID, manifest number, and the quantity for each transported load.

To facilitate asbestos abatement in the boiler room, storm water accumulated on the floor was removed by Balestrieri and treated (filtered for asbestos) by North Shore Environmental Construction (NSEC). Following treatment and verification, that asbestos was not detected and volatile organic compound (VOC) and PCB concentrations were less than the discharge criteria (refer to Section 3.10), the water was discharged to an USEPA-approved designated on-Site water discharge location (refer to Section 3.10). Boiler room water removal, treatment and discharge occurred from January through May 2014. Boiler room water pre-treatment characterization and post-treatment verification sample analytical data are summarized in **Table 10**.

***Universal Waste and Other Regulated Waste Removal***

Universal waste and other regulated building waste removal was conducted by DeNovo Constructors, Inc. (DeNovo) in March and April 2014 in accordance with the USEPA-approved February 10, 2014 Pre-Demolition Removal of Universal Wastes and Other Regulated Materials technical memorandum and the March 4, 2014 Characterization Plan for Remnant Interior Miscellaneous Materials. These removal activities also included flaking paint removal and general building surface cleaning conducted by DeNovo in April 2014 and remnant interior miscellaneous materials removal conducted by Balestrieri and DeNovo in January and April 2014.

Universal waste and other regulated building waste (excluding PCB waste) were transported to VES's Menomonee Falls, Wisconsin (EPA ID WID003967148) and Port Washington, Wisconsin (EPA ID WID988566543) facilities for treatment/disposal. Fluorescent bulbs impacted with PCBs were transported to Chemical Waste Management, Inc. (CWM) in Emelle, Alabama (EPA ID ALD000622464) for

treatment/disposal. Other PCB-containing materials, including waste generated by the USEPA during its Site investigation activities prior to the AOC, were transported to VES's Port Arthur, Texas facility (EPA ID TXD000838896) for incineration. Universal waste and other regulated building waste disposal is summarized in **Table 9C** (transport date, waste name, waste profile ID, manifest number, quantity, disposal facility, and disposal facility EPA ID).

Copies of pre-demolition waste treatment/disposal profile documentation, manifests, certificates of disposal/destruction, land disposal restriction notification forms, and certificates of acceptance for recycling (select Universal wastes) are included in **Appendix 6.**

### 3.8.3 Pre-Demolition Site Work

The on-Site groundwater monitoring wells were abandoned between April and June 2014 in accordance with the USEPA-approved April 4, 2014 Demolition Plan. The wells were abandoned in accordance with Chapter NR 141 of the Wisconsin Administrative Code. The approximate former on-Site groundwater monitoring well locations are depicted on **Figure 3**. Well abandonment forms are included in **Appendix 9**.

Utility abandonment activities were conducted in April 2014 (natural gas) and May 2014 (water) in accordance with the USEPA-approved April 4, 2014 Demolition Plan and the appropriate permits listed in **Table 3**. Copies of the permits are included in **Appendix 4**. The electrical service was previously disconnected by We Energies in November 2008. As indicated in Section 2, the sanitary service connections were previously decommissioned and abandoned in 2008 and as indicated in Section 3.7, the north storm sewer was abandoned, and the mid-central storm sewer was removed in September 2013.

### 3.8.4 Demolition

Building demolition was conducted by DeNovo between May and August 2014 in accordance with the USEPA-approved April 4, 2014 Demolition Plan and subsequent addenda. Building razing (to the slab) was conducted in May 2014. Building slab removal was conducted in multiple phases between June and August 2014 to allow for a working surface for demolition debris staging prior to transport and tunnel system decommissioning activities. The lower level of the Office Area was demolished in July 2014.

Demolition debris was disposed as TSCA-regulated waste and non-TSCA-regulated waste. The demolition debris, which was segregated based on characterization data (as TSCA-regulated or non-TSCA-regulated waste), generally included concrete building materials (floors, walls and ceiling panels), metal building components (structural steel columns and beams, sheet metal, and small-dimension steel bracing and lattice), built-up roofing, and miscellaneous materials (e.g., wood-block flooring, carpet, and other ancillary materials).

The TSCA-regulated demolition debris was transported to EQ's Wayne Disposal Landfill for landfill disposal as summarized in **Table 9A** and the non-TSCA-regulated demolition debris was transported to Advanced Disposal's Emerald Park Landfill for landfill disposal as summarized in **Table 9B**.

Copies of demolition debris disposal profile documentation, manifests, and certificates of disposal (TSCA-regulated waste) are included in **Appendix 6**.

## 3.9 Tunnel System Decommissioning

The decommissioning of the tunnel system in the former Die Cast Area was conducted by DeNovo following building razing in July and August 2014 in accordance with the USEPA-approved June 17, 2014 Demolition Plan Addendum No. 1 (tunnel system water removal, on-Site pre-treatment, and disposal plan) and the USEPA-approved July 23, 2014 Demolition Plan Addendum No. 2 (tunnel system structure removal and disposal plan).

Tunnel system decommissioning activities are summarized in the following sections. Photographs depicting tunnel system decommissioning activities are included in **Appendix 2**.

### 3.9.1 Water Removal, Treatment, and Disposal

Remnant water that collected in the tunnel system was removed and treated in an on-Site treatment system [weir tank, oil/water separator, bag filters, and granular activated carbon (GAC) adsorbers] supplied by DeNovo subcontractor ProAct Services Corporation and operated by DeNovo in July and August 2014 in accordance with the USEPA-approved June 17, 2014 Demolition Plan Addendum No. 1.

The treated water was contained in frac tanks. Samples of the treated water were collected and analyzed to verify that the treatment criteria [PCB concentrations less than 3 micrograms per liter (µg/L) and VOC concentrations less than NR 140 Enforcement Standards (ESs)] documented in the USEPA-approved June 17, 2014

Demolition Plan Addendum No. 1 were achieved to allow disposal at Advanced Disposal's Emerald Park Landfill.

The tunnel water post-treatment verification sampling results are summarized in **Table 11**. The data validation summary reports and laboratory analytical reports are included in **Appendix 5**.

Upon verification that the treatment criteria had been achieved, the treated water was pumped from the frac tanks and transported to Advanced Disposal's Emerald Park Landfill for disposal. **Table 12** provides a treated tunnel water disposal summary including the transport date, disposal facility waste name, waste profile ID, manifest number, and quantity for each transported load. Copies of treated tunnel water disposal profile documentation and manifests are included in **Appendix 6**.

Following the completion of water treatment, the tunnel water treatment system residuals (weir tank sediment and spent carbon) were contained in drums, and the equipment (weir tank, oil/water separator, GAC adsorbers, and frac tanks) was decontaminated by NSEC.

Verification wipe samples were collected from the tunnel water treatment system components following decontamination and analyzed for PCBs to verify that the decontamination criterion [less than or equal to 10 micrograms per 100 square centimeters ($\mu g/100cm^2$)] was achieved. If the verification sample results exceeded the decontamination criterion, the associated piece of equipment was re-cleaned and supplemental verification samples were collected and analyzed. The equipment decontamination verification sampling results are summarized in **Table 5**. The data validation summary reports and laboratory analytical reports are included in **Appendix 5**.

Tunnel water treatment system residuals and decontamination wastes were characterized for disposal. The characterization data validation summary reports and laboratory analytical reports are included in **Appendix 5**.

Water treatment system residuals and decontamination wastes were transported to VES's Port Arthur, Texas facility for incineration (TSCA-regulated waste) or Advanced Disposal's Emerald Park Landfill for landfill disposal (non-TSCA-regulated waste) as summarized in **Table 9C**. Copies of water treatment residual and decontamination waste treatment/disposal profile documentation, manifests, and certificates of destruction/disposal are included in **Appendix 6**.

### 3.9.2 Structure Removal and Disposal

The tunnel system structure (i.e., concrete floors and walls and remnant piping and conduit) was removed in accordance with the USEPA-approved July 23, 2014 Demolition Plan Addendum No. 2 in July and August 2014.

The tunnel system debris was transported to EQ's Wayne Disposal Landfill for landfill disposal as a TSCA-regulated waste. **Table 9A**, which provides a disposal summary including the transport date, disposal facility waste name, waste profile ID, manifest number, and quantity for each transported load, is inclusive of the tunnel system debris. Copies of tunnel system debris disposal profile documentation, manifests, and certificates of disposal are included in **Appendix 6**.

During the removal of a portion of the tunnel structure, residual liquid that remained in the tunnel system structure after pumping, drained from a pre-existing breach in the tunnel wall into a trench that was excavated adjacent to the tunnel during tunnel structure removal. The liquid was temporarily contained within the trench and pumped from the trench to the on-Site tunnel water treatment system. **Table 11** (Summary of Tunnel Water Post-Treatment Verification Sample Analytical Results) and **Table 12** (Tunnel Water Disposal Summary), as described in Section 3.9.1, are inclusive of this liquid.

## 3.10 Storm Water Collection, Treatment, and Discharge

Storm water was collected at the Site from September 2013 through May 2014 in accordance with the September 11, 2013 Interim Storm Water Management Plan. Storm water was collected from a storm sewer catch basin in the northeast portion of the Site (STMH 1) and a manhole in the south interior of the building (STMH 6). The former locations of STMH 1 and STMH 6 are depicted on **Figure 3**. The collected water was contained in frac tanks on-Site.

In November 2013, 10,185 gallons of storm water was pumped from the frac tanks and transported to Advanced Disposal's Emerald Park Landfill for disposal. Copies of the manifests were provided to the USEPA in the December 10, 2013 Sixth Monthly Progress Report - November 2013 (included in **Appendix 1**).

Following the November 2013 storm water removal event, a plan for the on-Site treatment and discharge of storm water was developed as a more cost and schedule-effective means of managing collected on-Site storm water. Subsequently, the contained storm water was treated with an on-Site mobile storm water treatment system (bag filters followed by GAC adsorbers) operated by NSEC and discharged to USEPA-

approved on-Site locations in accordance with the USEPA-approved December 10, 2013 Proposed Collected Storm Water Discharge Plan and subsequent addenda. The USEPA-approved discharge areas were designated the "northwest discharge area", the "northeast discharge area", and the "southeast discharge area."

Photographs depicting storm water collection, treatment, and discharge are included in **Appendix 2**.

Pre-treatment characterization sampling was periodically conducted during storm water collection and treatment, and post-treatment sampling was conducted to confirm that the discharge criteria [PCB and VOC concentrations less than NR 140 Preventive Action Limits (PALs)] established in the USEPA-approved December 10, 2013 Proposed Collected Storm Water Discharge Plan were achieved. The pre-treatment characterization and post-treatment storm water sampling results are summarized in **Table 10**. The pre-treatment characterization and post-treatment storm water sampling data validation summary reports and laboratory analytical reports are included in **Appendix 5**.

The collection of storm water was discontinued in May 2014 following the abandonment of STMH 1 and the installation of UltraTech Ultra-Filter Socks® (carbon filter socks) and hay bales on the eastern margin of the Site in accordance with the USEPA-approved April 14, 2014 Addendum to the Proposed Revision to Interim Storm Water Management Emergency Contingency Plan.

A total of approximately 317,500 gallons of treated storm water was discharged to the USEPA-approved on-Site discharge areas between March and July 2014 as documented in **Table 10** and the monthly progress reports included in **Appendix 1**.

Following the completion of storm water treatment, the on-Site mobile storm water treatment system residuals (spent carbon and bag filters) were contained in drums and the equipment (GAC adsorbers and frac tanks) was decontaminated by NSEC.

Verification wipe samples were collected from the storm water treatment system components following decontamination and analyzed for PCBs to verify that the decontamination criterion was achieved (refer to Section 3.9.1). The equipment decontamination verification sampling results are summarized in **Table 5**. The equipment decontamination verification sampling data validation summary reports and laboratory analytical reports are included in **Appendix 5**.

Water treatment system residuals and decontamination wastes were characterized for disposal. The characterization sampling data validation summary reports and laboratory analytical reports are included in **Appendix 5**.

Water treatment system residuals and decontamination wastes were transported to VES's Port Arthur, Texas facility for incineration (TSCA-regulated waste) or Advanced Disposal's Emerald Park Landfill for landfill disposal (non-TSCA-regulated waste) as summarized in **Table 9C**. Copies of the water treatment residual and decontamination waste treatment/disposal profile documentation, manifests, and certificates of destruction/disposal are included in **Appendix 6**.

## 3.11 Interim Stabilization and Pre-Soil Removal Activities

In August 2014, following the completion of tunnel system removal and in accordance with the USEPA-approved July 23, 2014 Demolition Plan Addendum No. 2, the remnant building footprint was covered with crushed aggregate by DeNovo to provide surface stabilization and to minimize the potential for dust generation and soil erosion during the interim period between the completion of building demolition and the beginning of soil removal activities.

To facilitate off-Site PCB and CVOC-impacted soil removal activities, two utility poles in the east off-Site area were relocated in August and September 2014. The new utility pole locations were pre-excavated and backfilled with imported crushed stone by DeNovo to allow the utility company (AT&T) to install the new poles in non-impacted soil. Two roll-off boxes of impacted soil were generated during the pre-excavation at the new pole locations. Based on existing soil characterization data, the roll-off box of soil generated from the south pole location was transported to Advanced Disposal's Emerald Park Landfill for disposal as a non-TSCA-regulated waste and the roll-off box of soil generated from the north pole location was transported to EQ's Wayne Disposal Landfill for disposal as a TSCA-regulated waste. Soil disposal is summarized in **Table 14A** (TSCA-regulated waste) and **Table 14D** (non-TSCA-regulated waste). Copies of the soil disposal profile documentation, manifests, and certificates of disposal are included in **Appendix 6**.

Preparation of the off-Site (east) television transmission tower guy wire anchor point soil removal area was conducted in March 2015. This preparation included vegetation clearing and grubbing, the locating and marking of the guy wire anchor point grounding ring, and installation of a temporary construction fence.

The off-Site groundwater monitoring wells were abandoned in April 2015. The wells were abandoned in accordance with Chapter NR 141 of the Wisconsin Administrative

Code. The approximate former off-Site groundwater monitoring well locations are depicted on **Figure 3**. The well abandonment forms are included in **Appendix 9**.

In March and April 2015, prior to impacted soil removal activities, storm water that had accumulated on the imported granular surface material that was placed on the remnant building footprint and storm water that collected in the loading dock area were pumped to the USEPA-approved discharge areas (refer to Section 3.10).

## 3.12 Soil Removal

Impacted soil removal was conducted by DeNovo between April and July 2015 in accordance with the USEPA-approved September 30, 2014 Soil Removal and Grading Plan and subsequent addenda (refer to **Table 1**). Impacted soil removal included the following components:

- Off-Site unsaturated PCB and CVOC-impacted soil removal;
- On-Site PCB-impacted soil removal; and
- On-Site unsaturated CVOC-impacted soil removal.

The following table provides a summary of the removal criteria and basis for the removal criteria for above soil removal components as documented in the May 28, 2013 First Work Plan, the January 30, 2014 Respondents letter notifying the USEPA that the Respondents intended to conduct a self-implementing cleanup of PCB bulk remediation waste in accordance with 40 CFR 761.61(a) removal criteria, the March 3, 2014 Second Work Plan, and the USEPA-approved September 30, 2014 Soil Removal and Grading Plan:

| Soil Removal Component | Removal Criteria | Basis for Removal Criteria |
|---|---|---|
| Off-Site unsaturated PCB and CVOC-impacted soil | total PCBs > 1 milligram per kilogram (mg/kg) | 40 CFR 761.61(a) cleanup level for high occupancy area documented in the May 28, 2013 First Work Plan |
| | tetrachloroethene (PCE) > 22 mg/kg<br>trichloroethene (TCE) > 0.910 mg/kg | USEPA residential regional screening levels (RSLs) documented in the May 28, 2013 First Work Plan |
| | maximum 4-foot depth (east off-Site area) | depth to groundwater documented in USEPA-approved September 30, 2014 Soil Removal and Grading Plan |
| | maximum 6-foot depth (north off-Site area) | |

| Soil Removal Component | Removal Criteria | Basis for Removal Criteria |
|---|---|---|
| On-Site PCB-Impacted Soil | total PCBs > 100 mg/kg | 40 CFR 761.61(a) cleanup level for low occupancy area with a cap, as specified in Paragraph 16(i) of Section VIII of the AOC and documented in the May 28, 2013 First Work Plan |
| On-Site unsaturated CVOC-impacted soil | PCE > 110 mg/kg<br>TCE > 6.4 mg/kg | USEPA industrial RSLs documented in the May 28, 2013 First Work Plan |
| | maximum 4-foot depth | depth to groundwater documented in USEPA-approved September 30, 2014 Soil Removal and Grading Plan |

Prior to soil removal action implementation, the soil removal areas were field marked (staked) by Geosyntec survey subcontractor TerraTec Engineering, LLC (TerraTec) based on the USEPA-approved September 30, 2014 Soil Removal and Grading Plan, USEPA-approved October 27, 2014 Soil Removal and Grading Plan Addendum No. 1, and supplemental soil characterization (refer to Section 3.12.1). The final horizontal and vertical extent of soil removal was based on verification sample data (refer to Section 3.13). The final horizontal and vertical extent of the soil removal areas were surveyed by TerraTec.

Photographs depicting soil removal activities are included in **Appendix 2**.

### 3.12.1 Supplemental Soil Characterization

Supplemental soil characterization sampling was conducted between November 2014 and July 2015. These supplemental soil characterization data were collected to further evaluate soil during the process of work implementation, and these supplemental data were in addition to planned data that were collected and documented in the project reports listed in **Table 1**. Supplemental soil characterization included the following:

- Off-Site soil sampling was conducted in November 2014 to refine the extent of CVOC-impacted soil to be managed as a Resource Conservation and Recovery Act (RCRA)-regulated waste.
- Off-Site soil sampling was conducted in April 2015 to refine the extent of CVOC-impacted soil with CVOC concentrations greater than 10 times (10x) the land disposal restriction (LDR) concentrations.
- On-Site soil sampling was conducted in May 2015 to refine the extent of soil impacts greater than the on-Site PCB-impacted soil removal criterion in the area disturbed by tunnel removal activities.
- On-Site soil sampling was conducted in July 2015 to characterize soil in the northwest and southeast storm water discharge areas (refer to Section 3.10).

Supplemental characterization of the northeast storm water discharge area was not conducted as the soil in this area was removed during impacted soil removal activities.

The supplemental soil characterization sample locations are depicted on **Figure 4**. The supplemental soil sampling locations and results are summarized in **Table 13** and the soil sample data validation summary reports and laboratory analytical reports are included in **Appendix 5**.

### 3.12.2 Off-Site Unsaturated PCB and CVOC-Impacted Soil Removal

Off-Site unsaturated PCB and CVOC-Impacted soil removal was conducted between April and July 2015 as summarized in the following table:

| Off-Site Unsaturated PCB and CVOC-Impacted Soil Removal Component | Disposal Facility (Waste Classification) / On-Site Placement Location | Removal Locations | Removal Date |
|---|---|---|---|
| PCB and CVOC-impacted soil (CVOC concentrations greater than 10x the LDRs) | VES Port Arthur, Texas facility for incineration (TSCA and RCRA-regulated waste) | east area | April 2015 |
| PCB and CVOC-impacted soil (CVOC concentrations less than 10x the LDRs) | Heritage Subtitle C Landfill, Roachdale, Indiana (TSCA-regulated waste) | east area | April 2015 |
| PCB-impacted soil (PCB concentrations greater than 50 mg/kg) | Heritage Subtitle C Landfill, Roachdale, Indiana (TSCA-regulated waste) | east area | May 2015 |
| | | north area | June 2015 |
| | | mid-central sewer area | April 2015<br>July 2015 |
| | | southeast area | July 2015 |
| PCB-impacted soil (PCB concentrations less than 50 mg/kg) | Placed within on-Site Clay Cap area in accordance with USEPA-approved 30 September 2014 Soil Removal and Grading Plan | east area (guy wire anchor area) | April 2015<br>May 2015 |
| | | east area | May 2015<br>June 2015 |
| | | north area | June 2015 |
| | | southeast area | July 2015 |

The horizontal extent and depths of off-Site unsaturated PCB and CVOC-Impacted soil removal are depicted on **Figure 5A** (overall soil removal extent summary map), **Figure 5B** (overall soil removal depth summary map), **Figure 6A** through **Figure 6F** (Off-Site Unsaturated PCB-Impacted Soil Removal Maps - East Area), **Figure 6G** and **Figure 6H** (Off-Site Unsaturated CVOC-Impacted Soil Removal Maps - East Area), and

**Figure 7A** and **Figure 7B** (Off-Site Unsaturated PCB-Impacted Soil Removal Maps - North Area).

Off-Site unsaturated PCB and CVOC-Impacted soil transport and disposal are summarized in **Table 14A** (TSCA-regulated waste) and **Table 14B** (TSCA and RCRA-regulated waste). These tables summarize the transport date, disposal facility waste name, waste profile ID, manifest number, and quantity for each transported load. Copies of off-Site unsaturated PCB and CVOC-impacted soil disposal profile documentation, manifests, and certificates of destruction/disposal, and land disposal restriction notification forms are included in **Appendix 6**.

### 3.12.3 On-Site PCB-Impacted Soil Removal

On-Site PCB-impacted soil removal was conducted between April and July 2015 as summarized in the following table:

| On-Site PCB-Impacted Soil Removal Component | Disposal Facility (Waste Classification) / On-Site Placement Location | Removal Locations | Removal Date |
|---|---|---|---|
| PCB-impacted soil (PCB concentrations greater than 100 mg/kg) | Heritage Subtitle C Landfill, Roachdale, Indiana (TSCA-regulated waste) | on-Site | April to July 2015 |
| | | on-Site mid-central sewer area | May 2015 |
| PCB-impacted soil (PCB concentrations less than 100 mg/kg and greater than cap system criteria) | Placed within on-Site Clay Cap area in accordance with USEPA-approved 30 September 2014 Soil Removal and Grading Plan | on-Site | June and July 2015 |

On-Site PCB-impacted soil removal for on-Site placement within the Clay Cap area was conducted to achieve the cap system criteria summarized in Section 3.20.3 (i.e., on-Site PCB impacted soil within the planned Soil Cover area with PCB concentrations greater than 25 mg/kg and less than or equal to 100 mg/kg was excavated and placed within the on-Site Clay Cap area and on-Site PCB-impacted soil within the planned Topsoil Cover area with PCB concentrations greater than 0.744 mg/kg and less than or equal to 100 mg/kg was excavated and placed within the on-Site Clay Cap area).

The horizontal extent and depths of on-Site PCB-impacted soil removal are depicted on **Figure 5A** (overall soil removal extent summary map), **Figure 5B** (overall soil removal depth summary map), and **Figure 8A** through **Figure 8N**.

On-Site PCB-impacted soil transport and disposal are summarized in **Table 14A** (TSCA-regulated waste). This table summarizes the transport date, disposal facility waste name, waste profile ID, manifest number, and quantity for each transported load.

Copies of on-Site PCB-impacted soil disposal profile documentation, manifests, and certificates of disposal are included in **Appendix 6**.

### 3.12.4 On-Site Unsaturated CVOC-Impacted Soil Removal

On-Site CVOC-impacted soil removal was conducted in May 2015 as summarized in the following table:

| On-Site Unsaturated CVOC-Impacted Soil Removal Component | Disposal Facility (Waste Classification) / On-Site Placement Location | Removal Locations | Removal Date |
|---|---|---|---|
| CVOC-impacted soil (CVOC concentrations greater than 10x the LDRs) | Heritage Incinerator Facility, East Liverpool, Ohio (RCRA-regulated waste) | southwest portion of Site | May 2015 |
| CVOC-impacted soil (CVOC concentrations less than 10x the LDRs) | Heritage Subtitle C Landfill, Roachdale, Indiana (RCRA-regulated waste) | southwest portion of Site | May 2015 |

The horizontal extent and depth of on-Site CVOC-impacted soil removal are depicted on **Figure 5A** (overall soil removal extent summary map), **Figure 5B** (overall soil removal depth summary map), and **Figure 9**.

On-Site CVOC-impacted soil transport and disposal are summarized in **Table 14C**. Copies of the on-site CVOC-impacted soil disposal profiles, manifests, certificates of disposal, and land disposal restriction notification forms are included in **Appendix 6.**

## 3.13 Post-Excavation Verification Sampling and Analysis

Post-Excavation verification sampling was conducted by Geosyntec between April and July 2015. Samples were collected and analyzed to verify that the removal criteria were achieved (refer to Section 3.12) in accordance with the USEPA-approved September 30, 2014 Soil Removal and Grading Plan and the USEPA-approved October 27, 2014 Soil Removal and Grading Plan Addendum No. 1.

Verification sampling was also conducted to verify the extent of off-Site unsaturated PCB-impacted soil requiring off-site disposal (greater than 50 mg/kg) versus placement in the on-Site Clay Cap area (greater than removal criteria and less than 50 mg/kg), to verify the cap system criteria were met for on-Site PCB-impacted soil removed and placed in on-Site Clay Cap area (refer to Section 3.12.3), and to verify the limits of off-Site and on-Site CVOC-impacted soil requiring incineration (CVOC concentrations greater than 10x the LDR) versus Subtitle C landfill disposal.

The post-excavation verification samples were analyzed in an on-Site mobile laboratory operated by Environmental Chemistry Consulting Services, Inc. (ECCS) in accordance with the USEPA-approved December 30, 2014 Addendum No. 1 to the USEPA-approved February 11, 2014 Quality Assurance Project Plan (QAPP).

If a verification sample analytical result indicated that the removal criteria were not achieved, additional soil removal was conducted, and supplemental verification samples were collected to verify that the removal criteria were achieved.

A total of 1,681 post-excavation verification soil samples were collected and analyzed by ECCS in the on-Site mobile laboratory during soil removal activities. A total of 1,257 soil samples were collected from on-Site soil removal areas and 424 samples were collected from off-Site soil removal areas. A total of 1,651 of the samples were analyzed for PCBs (composite samples) and a total of 30 samples (discrete samples) were analyzed for VOCs.

Verification sample locations are depicted on **Figure 6A** through **Figure 6F** (Off-Site Unsaturated PCB-Impacted Soil Removal Maps - East Area), **Figure 6G** and **Figure 6H** (Off-Site Unsaturated CVOC-Impacted Soil Removal Maps - East Area), **Figure 7A** and **Figure 7B** (Off-Site Unsaturated PCB-Impacted Soil Removal Maps - North Area), **Figure 8A** through **Figure 8N** (On-Site PCB-Impacted Soil Removal Maps), and **Figure 9** (On-Site Unsaturated CVOC-Impacted Soil Removal Map).

The post-excavation verification sample data is summarized in **Table 15A** (Off-Site Unsaturated PCB and CVOC-Impacted Soil Removal), **Table 15B** (On-Site PCB-Impacted Soil Removal), and **Table 15C** (On-Site Unsaturated CVOC-Impacted Soil Removal). These tables provide the sample ID, sample date, sample location, sample elevation, analytical result, and document whether the removal criteria were achieved, or the result triggered further soil removal.

The post-excavation verification sample data validation summary reports and laboratory analytical reports are included in **Appendix 5**.

### 3.14 Building Foundation Removal

Remnant building foundations were completely removed by DeNovo during on-Site soil removal between April and July 2015. Foundation removal, characterization, and transport were conducted in accordance with the USEPA-approved April 4, 2014 Demolition Plan, the USEPA-approved September 30, 2014 Soil Removal and Grading Plan, and the USEPA-approved February 20, 2015 Soil Removal and Grading Plan Addendum No. 2.

Foundation debris characterization sample analytical results are summarized in **Table 16**. The characterization data validation summary reports and laboratory analytical reports are included in **Appendix 5**.

The foundation debris was disposed at Advanced Disposal's Emerald Park Landfill as non-TSCA regulated waste as summarized in **Table 14D**. Copies of foundation disposal profile documentation and manifests are included in **Appendix 6**.

## 3.15 Pavement Removal

Supplemental asphalt pavement sampling was conducted in May 2014 to refine the extent of asphalt requiring disposal as a TSCA-regulated waste. The supplemental asphalt pavement sampling results are summarized in **Table 13** and the asphalt sample data validation summary reports and laboratory analytical reports are included in **Appendix 5**.

PCB-impacted asphalt removal was conducted by DeNovo between June and August 2015 in accordance with the USEPA-approved September 30, 2014 Soil Removal and Grading Plan. The following table summarizes asphalt removal activities:

| PCB-Impacted Asphalt Removal Component | Disposal Facility (Waste Classification) | Removal Dates |
|---|---|---|
| PCB-impacted asphalt (PCB concentrations greater than 50 mg/kg) | Heritage Subtitle C Landfill, Roachdale, Indiana (TSCA-regulated waste) | June 2015 |
| PCB-impacted asphalt (PCB concentrations less than 50 mg/kg) | Advanced Disposal Emerald Park Landfill, Muskego, Wisconsin (non-TSCA-regulated waste) | June to August 2015 |

PCB-impacted asphalt transport and disposal are summarized in **Table 14A** (TSCA-regulated waste) and **Table 14D** (non-TSCA-regulated waste). Copies of asphalt disposal profile documentation, manifests, and certificates of disposal (TSCA-regulated waste) are included **Appendix 6**.

## 3.16 Remnant Sewer/Piping and UST Removal

Remnant sewer/piping removal was conducted by DeNovo during soil removal activities between May and July 2015 in accordance with the USEPA-approved September 30, 2014 Soil Removal and Grading Plan and the USEPA-approved October 27, 2014 Soil Removal and Grading Plan Addendum No. 1.

The locations of the remnant sewer/piping that was removed was surveyed by TerraTec.

Remnant piping material (primarily clay tile) was consolidated with on-Site PCB-impacted soil for disposal as a TSCA-regulated waste. Manhole concrete debris was consolidated with foundation concrete for characterization and disposal (refer to Section 3.14).

In May 2015, an approximate 3,000-gallon steel UST was encountered during soil removal activities in the northeast portion of the former building footprint. The UST was found to be filled with concrete slurry (the former contents and use of the UST are unknown). In June 2015, the UST was removed/closed in general accordance with Chapter ATCP 93 of the Wisconsin Administrative Code by a Chapter SPS 305 Certified Tank Remover/Cleaner (NSEC). UST removal activities were verified by an inspector from the City of Milwaukee. UST removal/closure documentation is included in **Appendix 10**.

The UST concrete debris was consolidated with foundation concrete for characterization and disposal (refer to Section 3.14).

**Figure 10** depicts the locations of the former remnant sewer/piping and UST.

### 3.17 Excavation Water Management

Water that accumulated in soil excavations was managed as necessary to facilitate the completion of soil removal, verification sampling, and backfilling. In accordance with the USEPA-approved February 20, 2015 Soil Removal and Grading Plan Addendum No. 2, excavation water was primarily managed in place to reduce the quantity of water that was removed and treated/disposed.

Excavation water was removed on two occasions to facilitate soil removal and backfilling due to periods of heavy rain in April and June 2015. Water was also removed from several remnant sewer/piping excavations in April, June, and July 2015 to facilitate sewer/piping and manhole removal, or due to the visual presence of apparent free product.

The storm water removed from the excavations was pumped through a weir tank and bag filter into frac tanks. The exception was when apparent free-product was observed. In these cases, the water was pumped into, and stored in, poly tanks for separate characterization.

Water samples were collected from the frac tanks and poly tanks and analyzed for disposal/treatment characterization parameters. Excavation water characterization sample analytical results are summarized in **Table 17**. The excavation water characterization data validation summary reports and laboratory analytical reports are included in **Appendix 5**.

The following table provides a summary of the excavation water management activities:

| Excavation Water Components | Reason for Removal | Removal Date | Transport Date | Disposal Facility (Waste Classification) |
|---|---|---|---|---|
| storm water accumulated in open excavation areas pumped into frac tanks | heavy rain event | April 2015 | June 2015 | Clean Harbors, Cincinnati, Ohio (TSCA and RCRA-regulated waste) |
| water accumulated in mid-central sewer removal area pumped into poly tanks | visible apparent free product | May 2015 | | |
| water from the northeast lateral removal area pumped into frac tanks | excessive water volume | June 2015 | | |
| south loading dock manhole water pumped into frac tanks | manhole removal | June 2015 | | |
| storm water accumulated in open excavations pumped into frac tanks | rain events | June 2015 | July to August 2015 | Clean Harbors, Cincinnati, Ohio (TSCA-regulated and TSCA/RCRA-regulated waste)<br><br>Advanced Disposal Emerald Park Landfill, Muskego, Wisconsin (non-TSCA and non-RCRA - regulated waste) |
| water in manhole and piping excavation near the northwest corner of the former building pumped into poly tanks | visible apparent free product | July 2015 | | |

As documented in **Table 18**, approximately 130,000 gallons of excavation water was transported to Clean Harbors for treatment/disposal (TSCA-regulated waste and TSCA and RCRA-regulated waste) and approximately 10,000 gallons of excavation water was transported to Advanced Disposal's Emerald Park Landfill for disposal (non-TSCA and non-RCRA-regulated waste). Copies of excavation water disposal profile documentation, manifests, and certificates of disposal are included in **Appendix 6**.

## 3.18 Other Removal Activities

The carbon filter socks and hay bales [located adjacent to (immediately west of) the eastern silt fence] were removed in August 2015 after the Soil Cover and Clay Cap

subgrades were covered by imported soil (refer to Section 3.20) in accordance with the USEPA-approved July 30, 2015 Soil Removal and Grading Plan Addendum No. 3. Prior to removal, disposal characterization composite samples of the hay bale sediment and carbon filter socks (carbon) were collected in July and August 2015, respectively. The characterization sampling data validation summary reports and laboratory analytical reports are included in **Appendix 5**. In August 2015, the characterized hay bales and filter socks were transported to Advanced Disposal's Emerald Park Landfill for disposal as summarized in **Table 14D**. Copies of the disposal profile documentation and manifests are included in **Appendix 6**.

The tracking pad stone, clay berm soil (from the southeast storm water discharge area), and the northeast swale/discharge area berm soil were removed and transported to Advanced Disposal's Emerald Park Landfill for disposal in September 2015 as summarized in **Table 14D**. Copies of the disposal profile documentation and manifests are included in **Appendix 6**.

## 3.19 Removal Action Disposal Summary

The following table provides an overall removal action disposal summary including the disposal facility, waste type/classification, and quantity:

| Disposal Facility (EPA ID Number) | Waste Type/Classification | Quantity |
|---|---|---|
| EQ Wayne Disposal Landfill, Belleville, Michigan (EPA ID MID048090633) | soil generated during off-Site soil boring and groundwater monitoring well installation | 8.77 tons (25 drums) |
| | TSCA-regulated PCB-impacted mid-central sewer removal solid waste [sediment, piping, plastic sheeting, personal protective equipment (PPE)] | 23.60 tons (2 roll-off boxes, 5 drums) |
| | TSCA-regulated PCB-impacted building demolition debris, including PCB-impacted asbestos waste | 3,590 tons |
| | soil generated during USEPA soil boring activities (i.e., USEPA removal site assessment) | 0.11 tons (1 drum) |
| Advanced Disposal Emerald Park Landfill, Muskego, Wisconsin | vegetation waste generated during on-Site and off-Site clearing | 20.36 tons |
| | miscellaneous garbage and debris | 4.93 tons |
| | water generated during groundwater monitoring well development and sampling | 1,265 gallons (23 drums) |
| | boiler room floor sludge (asbestos waste) | 55 gallons (1 drum) |
| | non-TSCA-regulated building demolition debris, including asbestos waste | 3,468 tons |
| | storm water | 10,185 gallons |
| | treated tunnel system water | 246,875 gallons |
| | non-TSCA-regulated excavation water | 10,000 gallons |
| | non-TSCA-regulated utility pole relocation soil, foundation concrete, asphalt debris, carbon socks, hay bales, tracking pad stone, southeast discharge | 3,444.45 tons |

| Disposal Facility (EPA ID Number) | Waste Type/Classification | Quantity |
|---|---|---|
| | area clay berm soil, northeast swale/discharge area berm soil | |
| | decontamination water | 1,210 gallons (22 drums) |
| | erosion control materials (silt fence, inlet protection) | 0.19 tons |
| Advanced Disposal / Liberty Tire Recycling Auburndale, Wisconsin | tires | 19.66 tons |
| VES Menomonee Falls, WI (EPA ID WID003967148) | mercury-containing materials | 4 pounds |
| | hydraulic oil | 125 gallons |
| | tires | 450 pounds |
| VES Port Washington, WI (EPA ID WID988566543) | lead and nickel/cadmium batteries | 123 pounds |
| CWM Emelle, AL (EPA ID ALD000622464) | PCB-impacted fluorescent bulbs | 1,379 pounds |
| VES Incineration Facility, Port Arthur, TX (EPA ID TXD000838896) | TSCA-regulated PCB-impacted mid-central sewer removal liquid waste | 6,311.84 pounds |
| | PCB lab packs | 583.84 pounds |
| | PCB ballasts | 8,642.21 pounds |
| | PCB and lead-impacted floor sweepings | 5,229 pounds |
| | PCB-impacted water treatment residuals | 24,937.64 pounds |
| | TSCA and RCRA-regulated PCB and CVOC-impacted soil (CVOC concentrations greater than 10x the LDR) | 174.38 tons |
| Heritage Subtitle C Landfill, Roachdale, IN (EPA ID IND980503890) | TSCA-regulated utility pole relocation soil; TSCA-regulated PCB-impacted soil and asphalt debris; RCRA-regulated CVOC-impacted soil (CVOC concentrations less than 10x the LDRs) | 20,419.74 tons |
| Heritage Incinerator Facility, East Liverpool, OH (EPA ID OHD980613541) | RCRA-regulated CVOC-impacted soil (CVOC concentrations greater than 10x the LDRs) | 336.23 tons |
| Clean Harbors Cincinnati, Ohio (EPA ID OHD000816629) | RCRA-regulated excavation water and TSCA/RCRA-regulated excavation water | 130,000 gallons |

## 3.20 Grading and Capping

Site grading and capping were conducted by DeNovo between May and September 2015 in accordance with the March 3, 2014 Second Work Plan, the USEPA-approved September 30, 2014 Soil Removal and Grading Plan, the USEPA-approved October 27, 2014 Soil Removal and Grading Plan Addendum No. 1, the USEPA-approved February 20, 2015 Soil Removal and Grading Plan Addendum No. 2, and the USEPA-approved July 30, 2015 Soil Removal and Grading Plan Addendum No. 3.

Concurrent with grading and capping, the three Site driveway entrances were replaced with curbs and gutters to limit Site access, as discussed and agreed to with RACM, in

September 2015. Also, the City of Milwaukee raised three manhole covers on the east off-Site area to match the surrounding final grade (two manholes southwest of the guy wire anchor and one manhole north of the guy wire anchor) in October 2015.

### 3.20.1 Imported Material Testing

Laboratory testing of imported soil used for backfilling, grading, and capping was conducted to confirm the soil met the chemical and physical material specifications provided in the March 3, 2014 Second Work Plan and referenced in the USEPA-approved September 30, 2014 Soil Removal and Grading Plan. **Table 19** provides a summary of imported grading and capping material information including the borrow material type, borrow source, material testing sample IDs, imported volume (cubic yards), and number of samples collected.

The imported soil chemical testing data validation summary reports and laboratory analytical reports are included in **Appendix 5**. The imported soil physical (geotechnical) laboratory testing reports are included in **Appendix 11**. A summary of the imported Clay Cap material geotechnical testing data is provided in **Table 20**.

### 3.20.2 Backfilling and Grading

Off-Site and on-Site impacted soil removal area backfilling and on-Site cap subgrade grading (placement and compaction of imported soil and relocated off-Site and on-Site soil) were conducted between May and August 2015. The soil removal area backfilling primary occurred in May and June 2015, and cap subgrade construction primarily occurred in July and August 2015.

Backfilling and grading materials were placed in lifts and compacted in accordance with the specifications provided in the March 3, 2014 Second Work Plan and referenced in the USEPA-approved September 30, 2014 Soil Removal and Grading Plan. Field compaction testing was conducted to confirm that the compaction of the imported soil achieved the compaction specifications. Field compaction testing reports are included in **Appendix 11**. The placement and compaction of relocated off-Site and on-Site soil was consistent with imported material; however, field compaction testing of the relocated soil was not conducted due to the highly variable composition of this relocated material and the associated limitations in obtaining representative samples for laboratory compaction tests.

Construction quality assurance (CQA) surveying was performed by TerraTec on an ongoing basis during backfilling and grading activities. A pre-cap construction (top of cap subgrade) topographic survey (on approximately 25-foot centers) was completed

prior to cap construction. The top of cap subgrade survey information is provided in **Appendix 11**.

### 3.20.3 Capping

The Site cap was constructed as an assembly of three soil cap systems including: (i) a Clay Cap, (ii) a Soil Cover, and (iii) a Topsoil Cover. The cap systems were constructed by DeNovo between July and September 2015 in accordance with the cap material specifications and cap construction plan documented in the March 3, 2014 Second Work Plan and referenced in the USEPA-approved September 30, 2014 Soil Removal and Grading Plan.

The Clay Cap was constructed over areas of soil with residual PCB concentrations greater than 25 mg/kg and less than or equal to 100 mg/kg (removal criterion for on-Site PCB-impacted soil). The Clay Cap was constructed with a minimum of 2 feet of soil, including 1.5 feet of clay and 6 inches of topsoil. The clay component thickness of the constructed Clay Cap exceeded the minimum of 10-inch thickness of clay in accordance with 40 CFR 761.61(a)(7) cap requirements.

The Soil Cover was constructed over areas of soil with residual PCB concentrations greater than the WDNR industrial direct contact residual contaminant level (RCL) for PCBs of 0.744 mg/kg (for individual PCB Aroclors 1242, 1248, 1254, or 1260) and less than or equal to 25 mg/kg. The Soil Cover was constructed with a minimum thickness of 2 feet, including 1.5 feet of Common Fill, and 6 inches of topsoil. The Common Fill used for the Soil Cover was the same material (clay) that was used for the clay component of the Clay Cap.

The Topsoil Cover was placed over areas of soil with residual PCB concentration less than or equal to the WDNR industrial direct contact RCL for PCBs of 0.744 mg/kg (for individual PCB Aroclors 1242, 1248, 1254, or 1260). The Topsoil Cover was constructed with a minimum of 6 inches of topsoil.

Cap materials were placed in lifts and compacted in accordance with the specifications provided in the March 3, 2014 Second Work Plan and referenced in the USEPA-approved September 30, 2014 Soil Removal and Grading Plan. Field compaction testing was conducted to confirm that the compaction of imported soil met the compaction specifications. In accordance, with an August 27, 2015 email to USEPA and associated USEPA concurrence, the Common Fill component of the Soil Cover was compacted to 90% of the modified proctor maximum dry density consistent with the clay component of the Clay Cap clay (as the Common Fill utilized for the Soil Cover was the same clay as used for the Clay Cap). This was a variance from the compaction

specifications, which specified that the Soil Cover Common Fill would be compacted to 95% of the standard proctor maximum dry density. Field compaction testing reports are included in **Appendix 11**. A summary of Clay Cap field compaction testing data is provided in **Table 20**.

CQA surveying was conducted by TerraTec on an ongoing basis during cap construction to confirm cap system layer thicknesses and grades. Following the completion of each cap system layer a topographic survey was conducted (on approximately 25-foot centers) to document the topography of the top of the cap system layer and the as-constructed cap system layer thicknesses. The cap system construction CQA surveying data is included in **Appendix 11.**

A final as-built survey including the final top of cap elevation and the horizontal limits of the three capping systems was conducted by TerraTec on September 25, 2015. The final as-built Site cap systems map is included as **Figure 11**. The as-built Site cap systems map includes the Site property boundaries, the final ground surface topography (1-foot contours), and the horizontal limits and coordinates of the three capping systems.

### 3.20.4 Vegetative Cover

Post-cap construction vegetative cover establishment was conducted by DeNovo in September 2015 in accordance with the USEPA-approved February 20, 2015 Soil Removal and Grading Plan Addendum No. 2, including seeding, fertilizing and mulching as specified by RACM.

Vegetative cover inspection and maintenance were conducted until "Final Stabilization" of the Site was achieved in accordance with the March 4, 2015 Site storm water permit (Coverage under Wisconsin Pollutant Discharge Elimination System [WPDES] General Permit No. WI-S067831-04: Construction Site Storm Water Runoff). Final Stabilization of the Site was based on the consistent USEPA and WDNR definition of Final Stabilization that "all soil disturbing activities at the site have been completed and that a uniform perennial vegetative cover has been established with a density of 70% of the cover" (USEPA, 2012; WDNR, 2015).

Vegetative cover inspections were conducted weekly and within 24 hours after a rain precipitation event of 0.5 inches or greater unless frozen ground conditions existed. Based on these inspections, the following vegetative cover maintenance activities were conducted prior to Final Stabilization:

- Additional seed was placed on portions of the Site and around the three manholes located on the east off-Site area in October 2015.
- Minor silt fence repair was conducted in December 2015 and in April and May 2016.
- Fertilizing, mowing and minor topsoil crack filling were conducted in June 2016.
- Over-seeding was conducted in isolated Site areas of the Site in July 2016.

Final Stabilization was achieved in July 2016 as documented in Progress Report #38 - July 2018 dated August 8, 2016 (included in **Appendix 1**).

A Notice of Termination (Form 3400-162) was submitted to WDNR on 3 August 2016. The WDNR subsequently issued a "Termination of Coverage Under WPDES General Permit No. WI-S067831-04: Storm Water Discharges Associated with Land Disturbing Construction Activities" on August 8, 2016. Copies of the Notice of Termination and WDNR Termination of Coverage are included in **Appendix 12**.

The Site perimeter erosion controls were removed and transported to Advanced Disposal's Emerald Park Landfill for disposal in November 2016. Copies of the disposal profile documentation and manifests are included in **Appendix 6**.

The condition of the vegetative cover was observed monthly (and following a rain precipitation event of greater than 1-inch) after Final Stabilization. Based on these observations, the following vegetative cover maintenance activities were conducted following Final Stabilization:

- Vehicle track disturbance repair (raking the topsoil to infill the shallow tire tracks and re-seeding) was conducted in May 2017.
- The vegetation was mowed in July 2017.

## 3.21 Institutional Controls

Institutional controls are being established for the Site property pursuant to Paragraphs 16(l) ("establish institutional controls that limit future use of the property and establish cap maintenance requirements") and 20 ("Post-Removal Site Control") of Section VIII of the AOC. A "Post-Removal Site Control Plan" (including a "Cap Maintenance Plan") was submitted to USEPA on March 8, 2018. The USEPA conditionally approved the Post-Removal Site Control Plan on April 3, 2016. A final Post-Removal Site Control Plan, which addressed the USEPA conditions, was submitted to the USEPA on April 6, 2018. The Post-Removal Site Control Plan is included as **Appendix 13**.

The Respondents submitted "Notification of Residual Contamination and Proposed Continuing Obligations" letters to the impacted property owners identified in the Post-Removal Site Control Plan on April 6, 2018. The WDNR will prepare and send Continuing Obligations letters to the impacted property owners confirming their Continuing Obligation and register the Site on the Wisconsin Remediation and Redevelopment Database (WRRD) system based on the continuing obligations information submitted to WDNR by the Respondents. The WRRD database system lists properties on the Internet accessible WDNR soil and groundwater Geographic Information System (GIS) Registry to notify current and future Site owners, current and future impacted off-Site property owners, and the public of the presence of residual soil and groundwater impacts and associated Continuing Obligations.

# 4. EFFECTIVENESS OF REMOVAL ACTIONS

Pharmacia, acting on behalf of the Respondents, has fulfilled the requirements of the AOC. The removal action activities specified in Section VIII ("Work to be Performed") of the AOC were safely and effectively implemented at the Site in accordance with the USEPA-approved project plans. The effectiveness of the removal actions is summarized below:

| Section VIII of the AOC | | Implementation/Effectiveness |
|---|---|---|
| **16** | **Removal Activities** | |
| a. | Develop and implement Air Monitoring Plan, Emergency Contingency Plan, Site Security Plan, and Storm Water Management Plan. | These project plans were developed and implemented during the work as documented in **Table 1**.<br><br>The development and implementation of the project plans by the Respondents effectively achieved the requirements of Section 16.b. of the AOC. |
| b. | Inspect, clean, and seal sewer laterals, and remove the mid-central lateral | The mid-central storm sewer lateral (and the north storm sewer lateral) were inspected, cleaned and removed in September 2013 as documented in Section 3.7.<br><br>Site remnant sewer system manholes and piping and an UST encountered during soil removal were removed between May and July 2015 as documented in Section 3.16.<br><br>The activities implemented by the Respondents during the removal action effectively achieved the requirements of Section 16.b. of the AOC. |
| c. | Identify and remove free product and sources of free product. | Free-product and free product sources were completely removed as a component of surrounding soil or as components of tunnel water and excavation water removal, treatment and disposal as documented in Sections 3.9.1 and 3.17).<br><br>The activities implemented by the Respondents during the removal action effectively achieved the requirements of Section 16.c. of the AOC. |
| d. | Excavate and dispose of off-site soils contaminated with polychlorinated biphenyls (PCBs) and chlorinated solvents in unsaturated soils. | Off-Site unsaturated soil with PCB and CVOC concentrations exceeding the removal criteria described in the AOC was removed and disposed between April and July 2015 as documented in Section 3.12.2.<br><br>The activities implemented by the Respondents during the removal action effectively achieved the requirements of Section 16.d. of the AOC. |

| Section VIII of the AOC | | Implementation/Effectiveness |
|---|---|---|
| e. | Identify, remove, and properly dispose of asbestos containing materials. | Asbestos removal and proper disposal were completed between January and May 2014 as documented in Section 3.8.2. Asbestos containing materials were successfully removed prior to, or during, building demolition in accordance with all local, state and federal regulations.<br><br>The activities implemented by the Respondents during the removal action effectively achieved the requirements of Section 16.e. of the AOC. |
| f. | Demolish the remnants of the building. | The building and building foundations were completely removed and disposed between May and July 2014 and between April and July 2015, respectively, as documented in Sections 3.8.4 and 3.14.<br><br>The activities implemented by the Respondents during the removal action effectively achieved the requirements of Section 16.f. of the AOC. |
| g. | Decommission tunnel system beneath building. | The building tunnel system contents and structure were completely removed and disposed between July and August 2014 as documented in Section 3.9.<br><br>The activities implemented by the Respondents during the removal action effectively achieved the requirements of Section 16.g. of the AOC. |
| h. | Excavate and dispose of on-site unsaturated soils contaminated by chlorinated solvents. | On-Site soil with CVOC concentrations exceeding the removal criteria described in the AOC was removed and disposed in May 2015 as documented in Section 3.12.4.<br><br>The activities implemented by the Respondents during the removal action effectively achieved the requirements of Section 16.h. of the AOC. |
| i. | Excavate and dispose of PCB bulk remediation waste not included in 16c and 16d | On-Site soil with PCB concentrations exceeding the removal criteria described in the AOC was removed and disposed between April and July 2015 as documented in Section 3.12.3. PCB-impacted asphalt removal and disposal was completed between June and August 2015 as documented in Section 3.15. The soil and asphalt were classified as bulk remediation waste.<br><br>The activities implemented by the Respondents during the removal action effectively achieved the requirements of Section 16.d. of the AOC. |

| Section VIII of the AOC | | Implementation/Effectiveness |
|---|---|---|
| j. | Conduct post-excavation sampling to verify clean-up | A total of 1,681 verification soil samples were collected and analyzed between April and July 2015 to demonstrate the effectiveness of impacted soil removal as documented in Section 3.13. Post-excavation verification samples confirmed the removal action effectively achieved the removal criteria in the AOC.<br><br>The activities implemented by the Respondents during the removal action effectively achieved the requirements of Section 16.j. of the AOC. |
| k. | Establish a cap for the Site and restore vegetative cover | A Site cap was constructed (to prevent direct contact with residual soil impacts beneath the cap) and a vegetative cover was established (to prevent erosion of the Site cap) between July and September 2015 as documented in Section 3.20. The cap is preventing direct contact with soil beneath the cap, and the vegetative cover is reducing potential erosion of the cap.<br><br>The activities implemented by the Respondents during the removal action effectively achieved the requirements of Section 16.k. of the AOC. |
| l. | Establish institutional controls | Institutional controls are being established to restrict Site use and to ensure that the integrity and function of the Site cap is maintained in perpetuity as documented in Section 3.21. |

| Section VIII of the AOC | | Implementation/Effectiveness |
|---|---|---|
| **17** | **Work Plan and Implementation** | |
| a. | First Work Plan | The First Work Plan (and associated plans and reports) was developed and implemented as documented in **Table 1**.<br><br>The development and implementation of the project plans by the Respondents effectively achieved the requirements of Section 17.a. of the AOC. |
| b. | Second Work Plan | The Second Work Plan (and associated project plans and reports) was developed and implemented as documented in **Table 1**.<br><br>The development and implementation of the project plans by the Respondents effectively achieved the requirements of Section 17.b. of the AOC. |
| c. | Quality Assurance Project Plan (QAPP) | The QAPP was developed and implemented as documented in **Table 1**.<br><br>The development and implementation of the QAPP by the Respondents effectively ensured quality data and achieved the requirements of Section 17.c. of the AOC. |
| **18** | **Health and Safety Plan** | The Health and Safety Plan was developed, revised annually and with changes in conditions, and implemented as documented in **Table 1**.<br><br>The development and implementation of the Health and Safety Plan by the Respondents effectively ensured a safe working environment and achieved the requirements of Section 18 of the AOC. |
| **19** | **Quality Assurance and Sampling** | Sampling and analyses were completed in accordance with the USEPA-approved project plans and QAPP as documented in **Table 1**.<br><br>The development and implementation of the QAPP by the Respondents effectively ensured quality data and achieved the requirements of Section 19 of the AOC. |
| **20** | **Post-Removal Site Control** | A Post-Removal Site Control Plan, which was submitted to USEPA as documented in Section 3.21, is included as **Appendix 13**. |

| Section VIII of the AOC | | Implementation/Effectiveness |
|---|---|---|
| **21** | **Reporting** | Monthly progress reports were submitted to USEPA and are included in **Appendix 1**.<br><br>The development and submittal of the monthly progress reports by the Respondents effectively communicated all significant developments during the preceding period, including the actions performed and any problems encountered, analytical data received during the reporting period, and the developments anticipated during the next reporting period, including a schedule of actions to be performed, anticipated problems, and planned resolutions of past or anticipated problem," and achieved the requirements of Section 21 of the AOC. |
| **22** | **Final Report** | This Final Report was prepared pursuant to Paragraph 22 of Section VIII of the AOC.<br><br>This report prepared and submitted by the Respondents documents the removal action and achieves the requirements of Section 22 of the AOC. |
| **23** | **Off-Site Shipments** | The Respondents provided written notification to appropriate state agencies and USEPA for out-of-state waste shipments and obtained USEPA approval of waste disposal facilities pursuant to Paragraph 23 of Section VIII of the AOC.<br><br>The notification of waste shipment activities by the Respondents achieved the requirements of Section 23 of the AOC. |

# 5. RESOURCES COMMITTED

Pharmacia, acting on behalf of the Respondents, has expended the following resources to fulfill the requirements of the AOC:

| Project Activity | Resources Expended (as of September 31, 2017) |
|---|---|
| Pre-Demolition [1] | $1,881,306 |
| Building Demolition and Disposal [2] | $2,746,858 |
| Tunnel Removal and Disposal [3] | $359,120 |
| Soil Removal and Disposal [4] | $7,034,193 |
| Storm Water Collection, Treatment, and Disposal [5] | $746,370 |
| Project Reporting, Institutional Controls [6] | $63,161 |
| Project Management | $725,506 |
| USEPA Oversight | $292,406 |
| Total | $13,848,920 |

*Notes:*

[1] *Pre-Demolition*: off-Site access, First Work Plan and supporting documents, initial site stabilization, site infrastructure and security, north storm sewer abandonment and mid-central storm sewer removal, building material characterization, disposal facilities review and profiling, third party review of planned activities around the off-Site guy wire anchor, and Risk-Based Removal Application (including collection of additional data to support the application).

[2] *Building Demolition and Disposal:* Demolition Plan and supporting documents, asbestos abatement, Universal and other regulated waste removal, supplemental building material characterization, building demolition and waste disposal, air monitoring, additional disposal facilities review and profiling, Site security and project infrastructure, and project meetings and monthly reports.

[3] *Tunnel Removal and Disposal*: tunnel decommissioning plans; tunnel water removal, treatment, and disposal; tunnel structure removal and disposal; and air monitoring.

[4] *Soil Removal and Disposal:* Second Work Plan and supporting documents; excavate, transport, relocate, treat, or dispose of soil; collect and analyze verification soil samples; building foundation removal and disposal; pavement removal and disposal; sewer/piping and UST removal and disposal; grading and capping; vegetative cover; air monitoring; Site security and project infrastructure; and project meetings and monthly reports.

[5] *Storm Water Collection, Treatment, and Disposal*: Collect, treat, collect and analyze samples, and dispose of storm water collected during project activities (pre-demolition, demolition, and soil removal).

[6] *Project Reporting, Institutional Controls*: Final Report, Post-Removal Control Plan, Cap Maintenance Plan (establish and implement during interim period).

# 6. PROBLEMS ENCOUNTERED AND RESOLUTIONS

The problems encountered and resolved during the removal action are detailed in the monthly progress reports included in **Appendix 1**. This section provides a summary of the more salient problems encountered and associated resolutions.

In general, the problems encountered were primarily associated with inclement weather conditions that temporarily impacted work progress as summarized below:

- Extremely cold winter weather conditions occurred during pre-demolition activities (January through March 2014) that impacted work progress. Site work practices were adjusted as necessary to address problems related to these conditions.
- Heavy rain events in April 2014 impacted storm water management. Incremental storm water collection was required to address the increase in the storm water volume. As described in Section 3.10, USEPA-approved supplemental controls were implemented in May 2014 that allowed for the discontinuation of storm water sheetflow collection at the Site.
- Heavy rain events in June 2014 increased the volume of storm water that collected in the former lower level Office Area (cafeteria and locker rooms), boiler room, and loading dock area, which increased the storm water volume that was managed and treated on-site.
- As described in Section 3.17, due to periods of heavy rain in April 2015 and in June 2015 excavation water removal was conducted on these two occasions to facilitate soil removal and backfilling.
- Heavy rain events in August and September 2015 impacted the progress of Site cap material placement and compaction.

As the result of the annual maintenance shutdown of the planned tunnel system water treatment/disposal facility (VES, Port Arthur, Texas) in June 2014, an alternate USEPA-approved tunnel system water management plan was implemented (on-Site pre-treatment of the tunnel system water and transport of the treated water to Advanced Disposal's Emerald Park Landfill) as documented in Section 3.9.1.

Special provisions were required to complete the Off-site PCB-impacted soil removal in the vicinity of The E.W. Scripps Company [f.k.a., Journal Broadcast Group (JBG)] transmission tower guy wire anchor area east of the Site. The work progress was impacted by JBG specified work period maximum wind speed criteria, limitations on the size and time of open excavation, and backfill lift and compaction criteria.

# 7. STAKEHOLDER AND COMMUNITY INVOLVEMENT

The Project Coordinator met with project stakeholders generally on a weekly basis at the Site during the primary field efforts (i.e., building demolition, soil removal, and capping) to describe the past week activities and the upcoming planned activities. The Project Coordinator also described problems encountered during the previous week, if any, and resolutions to the problems. The project stakeholders that generally attended the meetings included the following: the USEPA On-Scene Coordinator (OSC), USEPA contract personnel, the WDNR, RACM, the Respondents' environmental consultant, site security retained by the Respondents, and the Respondents' waste contractor representative (during building demolition).

Community outreach was managed by the USEPA following a "Community Involvement Plan for Milwaukee Die Casting Site" which was prepared for the USEPA by Apex Direct, Inc. (APEX, 2014). The USEPA met with neighbors prior to and during the primary field efforts (building demolition, soil removal, capping); the Project Coordinator accompanied the USEPA during select meetings. The USEPA described activities that were completed, upcoming activities, anticipated schedule, and addressed neighbor concerns during the meetings. The Project Coordinator accompanied the USEPA to provide clarifications to, and answer questions from, neighbors during the meetings.

# 8. REFERENCES

Reference information for the removal action project plans and reports provided in **Table 1** is not reiterated herein. Also, because the monthly progress reports included in **Appendix 1,** the supplemental site characterization information included in **Appendix 3**, the data validation summary reports and laboratory analytical reports included in **Appendix 5**, and the Storm Sewer Abandonment and Removal Technical Memorandum included in **Appendix 7** are each provided in their entirety in this Final Report, references for those documents are not included herein.

APEX (2014). Community Involvement Plan for Milwaukee Die Casting Site, Milwaukee, Wisconsin; prepared for the USEPA by APEX Direct, Inc.; March 2014.

ARCADIS (2009). Immediate and Remedial Environmental Response Summary Report, Milwaukee Die Casting Company Site, prepared for Teresa Slyman, March 23, 2009.

ARCADIS (2013). Risk-Based Removal Application, Milwaukee Die Casting Site, prepared for Pharmacia LLC, December 9, 2013.

RACM (2013). Remediation, Long-Term Care, and Access Agreement among the Redevelopment Authority of the City of Milwaukee, Fisher Controls International LLC and Pharmacia LLC Regarding the Former Milwaukee Die Casting Site; February 27, 2013.

USEPA (1994). Superfund Removal Procedures Removal Response Reporting: POLREPs and OSC Reports, OSWER Publication 9360.3-03, EPA-540/R-94/023, PB93-963421, June 1994.

USEPA (2012). Appendix A - Definitions and Acronyms, Construction General Permit (CGP), National Pollutant Discharge Elimination System General Permit for Discharges from Construction Activities; February 16, 2012.

USEPA (2013). Administrative Settlement Agreement and Order on Consent for Removal Action, Milwaukee Die Casting Site, March 6, 2013.

WDNR (2012a). Preliminary Assessment Report, Milwaukee Die Casting Co., Inc.; Remediation and Redevelopment Program, Wisconsin Department of Natural Resources; February 24, 2012.

WDNR (2012b). Screening Site Inspection Report, Milwaukee Die Casting Co., Inc.; Remediation and Redevelopment Program, Wisconsin Department of Natural Resources; February 24, 2012.

WDNR (2015). Definitions, Storm water management (construction and industrial), on-line guidance, http://dnr.wi.gov/topic/SmallBusiness/Primer/StormWater/Definitions.html.