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ENVIRONMENT

Mrs. Amy Hadiaris
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Subject:
Technical Memorandum
Temporary Sediment Retention Ponds
Ford Twin Cities Assembly Plant, St. Paul, Minnesota
MPCA VIC Project Number VP23530
MPCA PBP Project Number PB3682

Date:
July 11, 2014

Contact:
Angharad Pagnon

Phone:
612.373.0223

Email:
apagnon@arcadis-us.com

Our ref:
DE000372.0004

Dear Mrs. Hadiaris:

This letter report provides a description of the environmental action which will be implemented by ARCADIS, on behalf of Ford Motor Company (Ford), at the Twin Cities Assembly Plant (TCAP) in St. Paul, Minnesota (Figure 1) during installation of a temporary sediment retention pond in an area of known soil impacts. Completion of the temporary sediment retention pond is currently scheduled to begin the week of July 14, 2014, in support of the on-going demolition activities being completed at TCAP.

As discussed during a July 10, 2014 telephone conversation between Ford, ARCADIS, and Minnesota Pollution Control Agency (MPCA), this document is specific to the temporary sediment retention pond and ARCADIS will provide an Interim Soil Response Action Plan for the entire Site at a later date. The Interim Soil Response Action Plan will incorporate the scope of work described in this document.

Site Location

The TCAP is located at 966 South Mississippi River Boulevard in St. Paul, Ramsey County, Minnesota at the approximate easting coordinate 484562.5 meters (m) and northing coordinate 4973822.5 m. The TCAP is located in a mixed industrial-, commercial-, and residential-use area on the eastern shore of the Mississippi River, along the east side of South Mississippi River Boulevard, south of Ford Parkway and west of South Cleveland Avenue, in St. Paul, Minnesota (Figure 1).

Sediment Retention Pond Location and Investigation

The proposed temporary sediment retention pond is located within the southeast portion of the site, in proximity to the property boundary shared with Soo Line Railroad as depicted on Figure 2. Through the implementation of the Exterior Investigation Work Plan, Supplemental Exterior Investigation Work Plan, and Subsurface Investigation: Work Element 1, twenty-six soil borings were completed within and surrounding the extent of the proposed temporary sediment retention pond (Figure 3). Field screening and analytical results collected during the completion of these borings is presented on Tables 1 and 2, respectively. An additional 17 soil borings were completed in June 2014 to delineate the lateral extent of impacts through the collection of photoionization detector (PID) readings. These borings were completed to bedrock and the field screening results are presented in Table 1.

Sediment Retention Pond Installation

Data collected to date indicates the presence of volatile organic compounds (VOCs), semi-volatile organics (SVOCs), and metal constituents in the area of the retention pond at concentrations greater than their respective Tier II Industrial soil reference value. Consequently, the extent of the proposed sediment retention pond was re-evaluated and an over-excavation within the area is proposed to address these subsurface impacts. Figure 3 depicts the current layout of the sediment retention pond.

Throughout installation activities ARCADIS will be present to implement the following environmental monitoring plan to confirm the required vertical and horizontal extent of excavation, as well as monitor excavated soils.

Environmental Monitoring Plan

An ARCADIS representative will be present during the soil excavation to monitor and inspect the soil as it is exposed and/or removed. The soil will be screened with a PID (11.7 eV lamp) and visually inspected for indication of impact to determine the presence and extent of potential impacts associated with historical features in the area. Furthermore, the field screening will be utilized to determine whether any excavated soil should be segregated or available for re-use on-site.

Field screening will be conducted a minimum of once for every 10 cubic yards of excavated soil, with the implementation of more frequent screening if any of the following are observed:

- a change in stratigraphy or other areas of transition;
- excavations are extended in proximity to an identified Feature; or
- to delineate areas with visual impacts or high PID readings.

After excavation is complete, exposed soil on the excavation sidewalls will be screened once for every 25 lateral feet at 4-foot vertical intervals from below the ground surface (i.e. 0 to 4, 4 to 8, etc.). Additionally, exposed soil will be screened once for every 100 square feet along the excavation base. Screening of the soil with the PID will be conducted in accordance with MPCA Petroleum Remediation Program Guidance Document 4-04 *Soil Sample Collection and Analysis Procedures*.

Screening Criteria

Excavated soil will be characterized by soil screening results in the following manner (MPCA Petroleum Remediation Program Guidance Document 3-01, 5-01, and 5-03):

- PID readings below 10 ppm will be staged for potential re-use on site or within the excavated area
- PID readings above 10 ppm and below 100 ppm will be segregated and staged for sampling to determine if it could be designated for on-site use
- PID readings above 100 ppm will be segregated for sampling and staging in preparation for off-site disposal at an MPCA approved facility.

Soil screening samples will be logged according to MPCA Petroleum Remediation Program Guidance Document 3-01 *Excavation of Petroleum Contaminated Soil and Tank Removal Sampling*. Furthermore, the areal location of each sample will be recorded using a handheld GPS.

Sidewall and Excavation Base

If screening criteria limits are exceeded in samples collected from the sidewalls or base of the excavation, or if unexpected conditions, wastes, debris, clinkers, tar product, staining, etc. or any contaminated media are encountered during installation of the sediment retention pond, soil samples will be collected for laboratory analysis. Sampling parameters will include VOCs, SVOCs, RCRA metals, and TCLP lead.

Excavated Soil

If screening criteria are exceeded for excavated soil, samples will be collected from the staged soil. The number of samples will be dependent on the excavated soil volume and will be determined in accordance with MPCA Petroleum Remediation Program Guidance Document 4-04 *Soil Sample Collection and Analysis Procedures:*

Cubic yards of soil	Number of grab samples
Less than 50	1
51-500	2
501-1000	3
1001-2000	4
2001-4000	5
Each additional 2,000	One additional sample

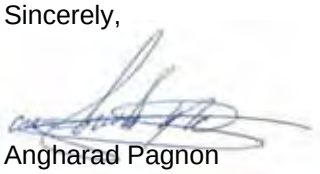
On-Site Staging and Off-Site Disposal

Any soil requiring on-site staging for off-site disposal or re-use will be relocated to the designated staging area on the main plant parcel. The stockpile will be placed on 6-milliliter (mil) reinforced plastic overlaying the concrete surface and covered with securely anchored 10-mil reinforced plastic. Excavated soil that is segregated for off-site disposal will be disposed of at a Ford-approved and MPCA-permitted off-site facility.

Conclusion

We appreciate your assistance with this project. If you have questions or need additional information, please call Angharad Pagnon of ARCADIS at your convenience.

Sincerely,



Angharad Pagnon
Project Environmental Specialist

Copies:
Mr. Charles Pinter, Ford Motor Company, Dearborn, Michigan
Mr. John Meyers, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

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Tables

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Table 1. **Field Screening Headspace Summary**
Twin Cities Assembly Plant, St. Paul, Minnesota

Completion Date	Location	Start Depth (ft)	Finish Depth (ft)	PID Reading (ppm)
6/5/2007	ASB-017	0	2	4.9
		2	4	4.8
		4	6	2.6
		6	8	2.8
		8	10	4.4
		10	12	4.1
6/29/2007	ASB-031	0	2	4
		2	4	6.3
		4	6	6.1
		6	8	3.8
		8	10	3.5
9/7/2011	ASB-171	0	2	0.8
		2	4	0.6
		4	6	0.7
		6	8	0.5
		8	10	0.7
		10	12	0.3
9/7/2011	ASB-172	0	2	4.5
		2	4	14.9
		4	8	212
		8	10	575.7
		10	12	0
9/7/2011	ASB-173	0	2	1
		2	4	2.5
		4	6	386.2
		6	8	398.3
		8	10	817.6
		10	12	373.7
9/7/2011	ASB-174	0	4	1
		4	6	1.1
		6	8	1
		8	12	0.4
9/8/2011	ASB-175	0	2	5.3
		2	4	730.5
		4	6	902.8
		6	8	18.1
		8	10	70.8
		10	12	7
9/8/2011	ASB-176	0	4	1.5
		4	8	1.6
		8	10	861.6
		10	12	840.5
10/30/2013	ASB-0402E	0	1	---
		1	2	7.5
		2	3	7.1
		3	4	7.1
		4	5	5
		5	8	0.3
		8	10	0.8
		10	12	0.3

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Table 1. **Field Screening Headspace Summary**
Twin Cities Assembly Plant, St. Paul, Minnesota

Completion Date	Location	Start Depth (ft)	Finish Depth (ft)	PID Reading (ppm)
10/30/2013	ASB-0402W	0	1	---
		1	2	9.7
		2	3	10.7
		3	4	15
		4	5	10.5
		5	7	0.4
		7	10	0.6
		10	11	0.2
10/29/2013	ASB-0405N	0	1	---
		1	2	3.3
		2	3	3.6
		3	4	4.8
		4	5	4.6
		5	10	3.1
10/29/2013	ASB-0405W	0	1	---
		1	2	4.1
		2	3	4.4
		3	4	3
		4	5	3.1
		5	7	0.3
		7	10	0.2
10/29/2013	ASB-0406E	0	1	---
		1	2	4.3
		2	3	2.1
		3	4	3.1
		4	5	---
		5	6	0.4
		6	7	---
		7	9	47.2
		9	10	952.8
		10	11	850.2
10/29/2013	ASB-0406S	0	1	10.2
		1	2	4.3
		2	3	6.3
		3	4	6.8
		4	5	5.7
		5	7	1.2
		7	10	4.1
10/28/2013	ASB-0406W	0	1	4.2
		1	2	4.2
		2	3	7.9
		3	4	6.9
		4	5	3.3
		5	7	0.3
		7	10	0.3

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Table 1. **Field Screening Headspace Summary**
Twin Cities Assembly Plant, St. Paul, Minnesota

Completion Date	Location	Start Depth (ft)	Finish Depth (ft)	PID Reading (ppm)
10/28/2013	ASB-0407E	0	1	2.2
		1	2	1.9
		2	3	2.7
		3	5	1.7
		5	8	1.4
		8	10	640.2
		10	11	1231
10/28/2013	ASB-0407N	0	1	2.9
		1	2	2
		2	3	1.1
		3	4	5
		4	5	2
		5	8	12.4
		8	10	1248
		10	11	704.9
10/28/2013	ASB-0407W	0	1	6
		1	2	11.2
		2	3	13.8
		3	4	22
		4	5	8
		5	8	2.3
		8	10	6.5
		10	11	117.4
10/25/2013	ASB-0702S	0	1	1.8
		1	2	1
		2	3	0.3
		3	4	6.9
		4	5	8.3
		5	7	0.3
		7	10	0.4
10/31/2013	ASB-0705E	0	1	---
		1	2	9.9
		2	3	10.2
		3	4	421.8
		4	5	703.8
		5	6	383.7
		6	8	36.6
		8	9.5	38
		9.5	11.6	1.7
10/30/2013	ASB-0705N	0	1	---
		1	2	7.3
		2	3	9.9
		3	3.5	14.4
		3.5	5	2.9
		5	6	15.5
		6	7.5	14.3
		7.5	8	39.4
		8	9	1525
		9	10	317.2
		10	12	1063

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Table 1. **Field Screening Headspace Summary**
Twin Cities Assembly Plant, St. Paul, Minnesota

Completion Date	Location	Start Depth (ft)	Finish Depth (ft)	PID Reading (ppm)
11/1/2013	ASB-0706W	0	1	1.7
		1	2	7.5
		2	3	3.1
		3	4	16
		4	5	10.8
		5	6	10
		6	8	208.3
		8	10	1207
		10	11.8	1334
10/30/2013	ASB-0707E	0	1	---
		1	2	7.9
		2	3	30.4
		3	4	411.6
		4	5	432.2
		5	7	34.7
		7	10	10.8
		10	11.8	1.4
10/29/2013	ASB-0707N	0	1	---
		1	2	7
		2	3	157.2
		3	4	490.9
		4	5	404.2
		5	7	276.2
		7	9	15.7
		9	10	284.7
		10	11	395.2
10/30/2013	ASB-0707W	0	1	---
		1	2	3.6
		2	3	664.6
		3	4	752.5
		4	5	820.8
		5	6	74.5
		6	10	7.3
1/15/2014	ASB-0606W	0	1	0.4
		1	2	0.7
		2	3	4.3
		3	4	1.7
		4	5	2.6
		5	10	0.7
		10	11	0.1
		11	12	0.1
5/20/2014	A3	0	1	---
		1	2	0.6
		2	3	217.1
		3	4	877.5
		4	5	507.5
		5	7	361.1
		7	8	24.4
		8	10	27.3
		10	12	921.2

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Table 1. **Field Screening Headspace Summary**
Twin Cities Assembly Plant, St. Paul, Minnesota

Completion Date	Location	Start Depth (ft)	Finish Depth (ft)	PID Reading (ppm)
5/20/2014	A4	0	1	153.4
		1	2	19.4
		2	3	3.8
		3	4	2.4
		4	5	0.9
		5	7	0.3
		7	8	0.3
		8	10	0.9
		10	11	28.2
5/20/2014	B2	0	1	0.9
		1	2	0.9
		2	3	4.4
		3	4	83.7
		4	5	127.3
		5	7	17.2
		7	9	4.2
		9	10	1557
		10	11	19.9
5/20/2014	B3	0	1	1.3
		1	2	2.8
		2	3	827.4
		3	4	1705
		4	5	1466
		5	6	1091
		6	8	640.1
		8	10	103.2
		10	11	1803
5/20/2014	B4	0	1	70.7
		1	2	13.3
		2	3	13.2
		3	4	12.2
		4	5	14.1
		5	7	12.3
		7	9	13.3
		9	10	972.3
		10	11	667.2
5/22/2014	B6	0	1	1.1
		1	2	1.2
		3	4	6.7
		4	5	83.4
		5	7	0.1
		7	9	0.1
		9	10	107.5
		10	11	142.3

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Table 1. **Field Screening Headspace Summary**
Twin Cities Assembly Plant, St. Paul, Minnesota

Completion Date	Location	Start Depth (ft)	Finish Depth (ft)	PID Reading (ppm)
5/20/2014	C1	0	1	2
		1	2	2.1
		2	3	15.1
		3	4	63.8
		4	5	80.2
		5	7	20.1
		7	9	2.7
		9	10	57.6
		10	11	2.3
5/20/2014	C2	0	1	2
		1	2	8.6
		2	3	3.9
		3	4	455.3
		4	5	461.3
		5	7	249.3
		7	9	37.6
		9	10	203.1
		10	11	4.1
5/22/2014	C5	0	1	18
		1	2	19.5
		2	3	17.5
		3	4	7.4
		4	5	5.5
		5	7	0.0
		7	9	0.0
		9	10	0.0
		10	11	687.5
5/21/2014	C6	0	1	1.5
		1	2	0.7
		2	3	1.1
		3	4	1.6
		4	5	1.1
		5	7	0.1
		7	9	0.2
		9	10	0.2
5/21/2014	D1	0	1	0.4
		1	2	0.5
		2	3	5.4
		3	4	95.2
		4	5	682.3
		5	7	422.6
		7	9	348.5
		9	10	363.4
		10	11	443.2
5/21/2014	D2	0	1	4.6
		1	2	1.3
		2	3	15.4
		3	4	3.9

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Table 1. **Field Screening Headspace Summary**
Twin Cities Assembly Plant, St. Paul, Minnesota

Completion Date	Location	Start Depth (ft)	Finish Depth (ft)	PID Reading (ppm)
5/21/2014	D3	0	1	0.4
		1	2	0.3
		2	3	0.2
		3	4	58.9
		4	5	372.6
		5	7	134.8
		7	9	2.0
		9	10	91.2
5/21/2014	D4	0	1	50.7
		1	2	36.6
		2	3	20.7
		3	4	3.7
		4	5	132.6
		5	7	136.2
		7	9	31.6
		9	10	190.2
		10	11	212.2
5/21/2014	D5	0	1	5.5
		1	2	24.8
		2	3	7
		3	4	1.4
		4	5	5.3
		5	7	0.5
		7	8	14.3
		8	10	1271
		10	11	1468
5/22/2014	D6	0	1	1.1
		1	2	209.5
		2	3	106.0
		3	4	73.9
		4	5	30.0
		5	7	0.2
		7	9	0.1
		9	10	0.2
		10	11	0.4
5/22/2014	D7	0	1	14.8
		1	2	15.1
		2	3	12.9
		3	4	14.3
		4	5	5.5
		5	7	0.0
		7	9	0.0
		9	10	0.0
		10	11	0.1

Acronyms and Abbreviations:

ASB	ARCADIS Soil Boring.
ft	Feet below ground surface.
ppm	Parts per million.
---	Not available or bedrock reading.
PID	Photoionization Detector.

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Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-171	ASB-174	ASB-176	ASB-172	ASB-173	ASB-175	ASB-0606W
Sample ID		Residential	Industrial	Criteria	ASB-171_1-3(20110907)	ASB-174_4-6(20110907)	ASB-176_8-10(20110908)	ASB-172_1-3(20110907)	ASB-173_1-3(20110907)	ASB-175_4-6(20110908)	ASB-0606W_10-12 (20140115)
Depth Interval	Unit	SRV	SRV		1 - 3	4 - 6	8 - 10	1 - 3	1 - 3	4 - 6	10 - 12
Sample Date					9/7/2011	9/7/2011	9/8/2011	9/7/2011	9/7/2011	9/8/2011	1/15/2014
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1 J	< 0.36
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1 J	< 0.36
1,1-Dichloroethane	mg/kg	34	55	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
1,1-Dichloroethene	mg/kg	20	60	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1	< 0.36
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1 J	< 0.36
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	< 0.27	< 0.28	**440**	**0.014 J**	< 0.27	< 1	< 0.36
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.54	< 0.57	< 42	< 0.54	< 0.55	< 2 J	< 0.72
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
1,2-Dichloroethane	mg/kg	4	6	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1	< 0.36
1,2-Dichloropropane	mg/kg	4	6	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1	< 0.36
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	< 0.27	< 0.28	< 21***	**0.0074 J**	< 0.27	< 1	< 0.36
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
1.3-Dichloropropane	mg/kg	NS	NS	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 1.1	< 1.1	< 83	< 1.1	< 1.1	< 4.1	< 1.4
2-Chlorotoluene	mg/kg	436	436	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
2-Hexanone	mg/kg	NS	NS	NA	< 1.1	< 1.1	< 83	< 1.1	< 1.1	< 4.1 J	< 1.4
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
Acetone	mg/kg	340	1000	NA	< 1.1	< 1.1	< 83	< 1.1	< 1.1	< 4.1	< 1.4
Allyl chloride	mg/kg	NS	NS	NA	< 0.54	< 0.57	< 42	< 0.54	< 0.55	< 2	< 0.72
Benzene	mg/kg	6	10	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1	< 0.36
Bromobenzene	mg/kg	NS	NS	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
Bromochloromethane	mg/kg	NS	NS	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
Bromodichloromethane	mg/kg	10	17	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1	< 0.36
Bromoform	mg/kg	370	650	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
Bromomethane	mg/kg	0.7	2	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1***	< 0.36
Butylbenzene	mg/kg	30	92	NA	< 0.27	< 0.28	**13 J**	< 0.27	< 0.27	**19**	< 0.36
Carbon disulfide	mg/kg	65	190	NA	**0.053 J**	< 0.28	< 21	< 0.27	**0.052 J**	**0.2 J**	< 0.36
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1***	< 0.36
Chlorobenzene	mg/kg	11	32	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1	< 0.36
Chlorodibromomethane	mg/kg	12	20	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1	< 0.36
Chloroethane	mg/kg	1000	3000	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
Chloroform	mg/kg	2.5	4	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1	< 0.36
Chloromethane	mg/kg	8	23	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1	< 0.36
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1	< 0.36
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
Cyclohexane	mg/kg	NS	NS	NA	< 0.54	< 0.57	**16 J**	< 0.54	< 0.55	**0.43 J**	< 0.72
Dibromomethane	mg/kg	260	1860	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1	< 0.36
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.54	< 0.57	< 42	< 0.54	< 0.55	< 2	< 0.72
Diethyl ether	mg/kg	NS	NS	NA	< 0.54	< 0.57	< 42	< 0.54	< 0.55	< 2	< 0.72
Ethylbenzene	mg/kg	200	200	NA	< 0.27	< 0.28	**43**	< 0.27	< 0.27	< 1	< 0.36
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1***	< 0.36
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1	< 0.36
Isopropylbenzene	mg/kg	30	87	NA	< 0.27	< 0.28	**28**	< 0.27	< 0.27	**3.8**	< 0.36
Methyl acetate	mg/kg	NS	NS	NA	< 0.54	**0.23 J**	< 42	< 0.54	< 0.55	**0.86 J**	**0.04 J**
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 1.1	< 1.1	< 83	< 1.1	< 1.1	< 4.1	< 1.4
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 1.1	< 1.1	< 83	< 1.1	< 1.1	< 4.1	< 0.36
Methylcyclohexane	mg/kg	NS	NS	NA	< 0.54	< 0.57	**83**	< 0.54	< 0.55	**14**	< 0.72

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-171	ASB-174	ASB-176	ASB-172	ASB-173	ASB-175	ASB-0606W
Sample ID		Residential	Industrial	Criteria	ASB-171_1-3(20110907)	ASB-174_4-6(20110907)	ASB-176_8-10(20110908)	ASB-172_1-3(20110907)	ASB-173_1-3(20110907)	ASB-175_4-6(20110908)	ASB-0606W_10-12 (20140115)
Depth Interval	Unit	SRV	SRV		1 - 3	4 - 6	8 - 10	1 - 3	1 - 3	4 - 6	10 - 12
Sample Date					9/7/2011	9/7/2011	9/8/2011	9/7/2011	9/7/2011	9/8/2011	1/15/2014
Methylene chloride	mg/kg	97	158	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
Naphthalene	mg/kg	10	28	NA	< 0.27	**0.012 J**	**41**	< 0.27	< 0.27	**14**	< 0.36
n-Propylbenzene	mg/kg	30	93	NA	< 0.27	< 0.28	**29**	< 0.27	< 0.27	**8.1**	< 0.36
p-Isopropyltoluene	mg/kg	NS	NS	NA	< 0.27	< 0.28	**16 J**	< 0.27	< 0.27	**2.1**	< 0.36
sec-Butylbenzene	mg/kg	25	70	NA	< 0.27	< 0.28	**24**	< 0.27	< 0.27	**9.9**	< 0.36
Styrene	mg/kg	210	600	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
Tert-butylbenzene	mg/kg	30	90	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
Tetrachloroethene	mg/kg	72	131	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
Tetrahydrofuran	mg/kg	NS	NS	NA	< 1.1	< 1.1	< 83	< 1.1	< 1.1	< 4.1	< 1.4
Toluene	mg/kg	107	305	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1	< 0.36
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
Trichloroethene	mg/kg	29	46	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
Vinyl chloride	mg/kg	0.8	2.2	NA	< 0.27	< 0.28	< 21***	< 0.27	< 0.27	< 1***	< 0.36
m-Xylene & p-Xylene*	mg/kg	NS	NS	NA	< 0.54	< 0.57	< 42	**0.013 J**	< 0.55	< 2	< 0.36
Xylene, -o*	mg/kg	NS	NS	NA	< 0.27	< 0.28	< 21	< 0.27	< 0.27	< 1	< 0.36
Total Xylenes*	mg/kg	45	130	NA	ND	ND	ND	**0.013 J**	ND	ND	ND
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
2,4-Dichlorophenol	mg/kg	48	230	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
2,4-Dimethylphenol	mg/kg	390	1925	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
2,4-Dinitrophenol	mg/kg	NS	NS	NA	< 4.7	NA	NA	NA	NA	NA	< 2.2
2,4-Dinitrotoluene	mg/kg	50	355	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
2,6-Dinitrotoluene	mg/kg	25	175	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
2-Chloronaphthalene	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
2-Chlorophenol	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
2-Methylnaphthalene	mg/kg	100	369	NA	**0.01 J**	NA	NA	NA	NA	NA	< 0.46
2-Methylphenol	mg/kg	75	352	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
2-Nitroaniline	mg/kg	NS	NS	NA	< 4.7	NA	NA	NA	NA	NA	< 2.2
2-Nitrophenol	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
3,3-Dichlorobenzidine	mg/kg	25	50	NA	< 4.7	NA	NA	NA	NA	NA	< 2.2
3-Nitroaniline	mg/kg	NS	NS	NA	< 4.7	NA	NA	NA	NA	NA	< 2.2
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	< 4.7	NA	NA	NA	NA	NA	< 2.2
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
4-Chloroaniline	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
4-Nitroaniline	mg/kg	NS	NS	NA	< 4.7	NA	NA	NA	NA	NA	< 2.2
4-Nitrophenol	mg/kg	NS	NS	NA	< 4.7	NA	NA	NA	NA	NA	< 2.2
Acenaphthene	mg/kg	1200	5260	NA	**0.11 J**	NA	NA	NA	NA	NA	< 0.46
Acenaphthylene	mg/kg	NS	NS	NA	**0.038 J**	NA	NA	NA	NA	NA	< 0.46
Acetophenone	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
Anthracene	mg/kg	7880	45400	NA	**0.61 J**	NA	NA	NA	NA	NA	< 0.46
Atrazine	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
Benzaldehyde	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	**0.45 J**	NA	NA	NA	NA	NA	< 0.46
Benzo(a)anthracene	mg/kg	NS	NS	NA	**1.3**	NA	NA	NA	NA	NA	< 0.46
Benzo(a)pyrene	mg/kg	2	3	NA	**0.93 J**	NA	NA	NA	NA	NA	< 0.46
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	**1.1**	NA	NA	NA	NA	NA	< 0.46
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	**0.46 J**	NA	NA	NA	NA	NA	< 0.46
Biphenyl	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
Butyl benzyl phthalate	mg/kg	580	3700	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-171	ASB-174	ASB-176	ASB-172	ASB-173	ASB-175	ASB-0606W
Sample ID		Residential	Industrial	Criteria	ASB-171_1-3(20110907)	ASB-174_4-6(20110907)	ASB-176_8-10(20110908)	ASB-172_1-3(20110907)	ASB-173_1-3(20110907)	ASB-175_4-6(20110908)	ASB-0606W_10-12 (20140115)
Depth Interval	Unit	SRV	SRV		1 - 3	4 - 6	8 - 10	1 - 3	1 - 3	4 - 6	10 - 12
Sample Date					9/7/2011	9/7/2011	9/8/2011	9/7/2011	9/7/2011	9/8/2011	1/15/2014
Caprolactam	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
Carbazole	mg/kg	700	1310	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
Chrysene	mg/kg	NS	NS	NA	**1.2**	NA	NA	NA	NA	NA	< 0.46
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	**0.15 J**	NA	NA	NA	NA	NA	< 0.46
Dibenzofuran	mg/kg	104	810	NA	**0.04 J**	NA	NA	NA	NA	NA	< 0.46
Dibutyl phthalate	mg/kg	2440	16300	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
Diethyl phthalate	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
Dimethyl phthalate	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
di-n-Octyl phthalate	mg/kg	520	3700	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
Fluoranthene	mg/kg	1080	6800	NA	**2.9**	NA	NA	NA	NA	NA	< 0.46
Fluorene	mg/kg	850	4120	NA	**0.2 J**	NA	NA	NA	NA	NA	< 0.46
Hexachlorobenzene	mg/kg	5	9	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
Hexachlorocyclopentadiene	mg/kg	2	6	NA	< 4.7***	NA	NA	NA	NA	NA	< 2.2
Hexachloroethane	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	**0.4 J**	NA	NA	NA	NA	NA	< 0.46
Isophorone	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	< 1.2	NA	NA	NA	NA	NA	< 0.56
Naphthalene	mg/kg	10	28	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
Nitrobenzene	mg/kg	NS	NS	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	< 0.96***	NA	NA	NA	NA	NA	< 0.46
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
Pentachlorophenol	mg/kg	80	120	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
Phenanthrene	mg/kg	NS	NS	NA	**2**	NA	NA	NA	NA	NA	< 0.46
Phenol	mg/kg	1500	20203	NA	< 0.96	NA	NA	NA	NA	NA	< 0.46
Pyrene	mg/kg	890	5800	NA	**2.3**	NA	NA	NA	NA	NA	< 0.46
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**1.352**	NA	NA	NA	NA	NA	ND
Metals											
Aluminum	mg/kg	30000	100000	NA	**7900**	**6900**	**8100**	**4900**	**5000**	**2800**	**9000**
Antimony	mg/kg	12	100	NA	< 1	< 0.97	**0.62 J**	**32**	< 1.3	**18 J**	< 1.3
Arsenic	mg/kg	9	20	NA	**600**	**6.8**	**2.7**	**6.5**	**4.6**	**7.7**	**3.6**
Barium	mg/kg	1100	18000	NA	**92**	**29**	**83**	**480**	**76**	**1100**	**34**
Beryllium	mg/kg	55	230	NA	**0.43 J**	**0.59**	**0.23 J**	**0.4 J**	**0.41 J**	< 0.59	**0.42 J**
Cadmium	mg/kg	25	200	NA	< 0.2	< 0.19	**0.15 J**	**1.3**	**0.16 J**	**0.77**	< 0.25
Calcium	mg/kg	NS	NS	NA	**6000**	**21000**	**9200**	**34000**	**30000**	**16000**	**8700**
Chromium**	mg/kg	NS	NS	NA	**12**	**14**	**13**	**16**	**12**	**19**	**19**
Cobalt	mg/kg	600	2600	NA	**8.5**	**11**	**8.3**	**6.2**	**8.6**	**2.6 J**	**13**
Copper	mg/kg	100	9000	NA	**11**	**170**	**10**	**40**	**15**	**73 J**	**15**
Iron	mg/kg	9000	75000	NA	**15000**	**15000**	**11000**	**16000**	**14000**	**6600**	**22000**
Lead	mg/kg	300	700	NA	**6.2**	**5.3**	**6.4**	**3000**	**39**	**1000**	**12**
Magnesium	mg/kg	NS	NS	NA	**1700**	**6900**	**3000**	**12000**	**7400**	**4000**	**3100**
Manganese	mg/kg	3600	8100	NA	**710**	**230**	**470**	**470**	**530**	**170**	**91**
Mercury	mg/kg	0.5	1.5	NA	**0.062 J**	< 0.11	< 0.12	**0.079 J**	**0.017 J**	**6.1**	< 0.14
Nickel	mg/kg	560	2500	NA	**15**	**21**	**15**	**15**	**17**	**6**	**25**
Potassium	mg/kg	NS	NS	NA	**1500**	**3500**	**510 J**	**1200**	**1100**	**490 J**	**4200**
Selenium	mg/kg	160	1300	NA	**1**	< 0.48	< 0.57	**0.59**	< 0.54	**0.64**	**0.76**
Silver	mg/kg	160	1300	NA	< 0.51	< 0.48	< 0.57	< 0.51	< 0.54	< 0.59	< 0.63
Sodium	mg/kg	NS	NS	NA	**470 J**	**220 J**	**86 J**	**120 J**	< 540	**140 J**	**150 J**
Thallium	mg/kg	3	21	NA	**0.57 J**	< 0.97	< 1.1	< 1	< 1.1	**0.71 J**	< 1.3
Vanadium	mg/kg	30	250	NA	**28**	**6.9**	**21**	**16**	**16**	**8.5**	**9.5**
Zinc	mg/kg	8700	75000	NA	**27**	**22**	**29**	**400**	**40**	**390**	**26**
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	< 0.038	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	1.2	8	NA	< 0.038	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	1.2	8	NA	< 0.038	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	1.2	8	NA	< 0.038	NA	NA	NA	NA	NA	NA

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID			Tier 1	Tier 2	TCLP	ASB-171	ASB-174	ASB-176	ASB-172	ASB-173	ASB-175	ASB-0606W
Sample ID			Residential	Industrial	Criteria	ASB-171_1-3(20110907)	ASB-174_4-6(20110907)	ASB-176_8-10(20110908)	ASB-172_1-3(20110907)	ASB-173_1-3(20110907)	ASB-175_4-6(20110908)	ASB-0606W_10-12 (20140115)
Depth Interval		Unit	SRV	SRV		1 - 3	4 - 6	8 - 10	1 - 3	1 - 3	4 - 6	10 - 12
Sample Date						9/7/2011	9/7/2011	9/8/2011	9/7/2011	9/7/2011	9/8/2011	1/15/2014
Aroclor 1248		mg/kg	1.2	8	NA	< 0.038	NA	NA	NA	NA	NA	NA
Aroclor 1254		mg/kg	1.2	8	NA	< 0.038	NA	NA	NA	NA	NA	NA
Aroclor 1260		mg/kg	1.2	8	NA	< 0.038	NA	NA	NA	NA	NA	NA
Other												
Gasoline Range Organics		mg/kg	NS	NS	NA	**1.8 J**	< 13	**4200**	**2.9 J**	< 13	**5800**	NA
Diesel Range Organics		mg/kg	NS	NS	NA	**8.2 J**	< 9.4	**500 J**	**52**	**25**	**2600 J**	NA
Cyanide		mg/kg	60	5000	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

mg/kg	Milligrams per kilogram
mg/l	Milligrams per liter
<	Not detected
ASB	ARCADIS Soil Boring
NA	Not applicable/not analyzed
ND	Not detected
NS	No standard
J	Estimated result
Bold	Detected value
Shade	Result value is above the MPCA Tier 1 Residential SRV
Box	Result value is above the MCPA Tier 2 Industrial SRV
VOCs	Volatile organic compounds
SVOCs	Semi-volatile compounds
PCBs	Polychlorinated biphenyls
SRV	Soil reference value
TCLP	Toxicity characteristic leaching procedure
MPCA	Minnesota Pollution Control Agency
*	Criteria for total xylenes used
**	SRVs are for Chromium VI and Chromium III respectively, reported data is for total chromium and is therefore compared to the lower of the SRVs
***	Reporting limit exceeds standard

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0606W	ASB-0606W	ASB-0402E	ASB-0402W	ASB-0402W	ASB-0402W
Sample ID		Residential	Industrial	Criteria	ASB-0606W_5-7.5 (20140115)	ASB-0606W_7.5-10 (20140115)	ASB-0402E_0-2(20131030)	ASB-0402W_0-2(20131030)	ASB-0402W_3-4(20131030)	ASB-0402W_6-7(20131030)
Depth Interval	Unit	SRV	SRV		5 - 7.5	7.5 - 10	0-2	0-2	3-4	6-7
Sample Date					1/15/2014	1/15/2014	10/30/2013	10/30/2013	10/30/2013	10/30/2013
VOCs										
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 0.39	< 0.32	NA	NA	NA	NA
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 0.39	< 0.32	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 0.39	< 0.32	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 0.39	< 0.32	NA	NA	NA	NA
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 0.39	< 0.32	NA	NA	NA	NA
1,1-Dichloroethane	mg/kg	34	55	NA	< 0.39	< 0.32	NA	NA	NA	NA
1,1-Dichloroethene	mg/kg	20	60	NA	< 0.39	< 0.32	NA	NA	NA	NA
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.39	< 0.32	NA	NA	NA	NA
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.39	< 0.32	NA	NA	NA	NA
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.39	< 0.32	NA	NA	NA	NA
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 0.39	< 0.32	NA	NA	NA	NA
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	**0.14 J**	**0.0075 J**	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.79	< 0.63	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 0.39	< 0.32	NA	NA	NA	NA
1,2-Dichloroethane	mg/kg	4	6	NA	< 0.39	< 0.32	NA	NA	NA	NA
1,2-Dichloropropane	mg/kg	4	6	NA	< 0.39	< 0.32	NA	NA	NA	NA
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	**0.031 J**	< 0.32	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 0.39	< 0.32	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 0.39	< 0.32	NA	NA	NA	NA
1.3-Dichloropropane	mg/kg	NS	NS	NA	< 0.39	< 0.32	NA	NA	NA	NA
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.39	< 0.32	NA	NA	NA	NA
2-Butanone (MEK)	mg/kg	5500	19000	NA	**0.2 J**	**0.12 J**	NA	NA	NA	NA
2-Chlorotoluene	mg/kg	436	436	NA	< 0.39	< 0.32	NA	NA	NA	NA
2-Hexanone	mg/kg	NS	NS	NA	< 1.6	< 1.3	NA	NA	NA	NA
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.39	< 0.32	NA	NA	NA	NA
Acetone	mg/kg	340	1000	NA	< 1.6	< 1.3	NA	NA	NA	NA
Allyl chloride	mg/kg	NS	NS	NA	< 0.79	< 0.63	NA	NA	NA	NA
Benzene	mg/kg	6	10	NA	< 0.39	< 0.32	NA	NA	NA	NA
Bromobenzene	mg/kg	NS	NS	NA	< 0.39	< 0.32	NA	NA	NA	NA
Bromochloromethane	mg/kg	NS	NS	NA	< 0.39	< 0.32	NA	NA	NA	NA
Bromodichloromethane	mg/kg	10	17	NA	< 0.39	< 0.32	NA	NA	NA	NA
Bromoform	mg/kg	370	650	NA	< 0.39	< 0.32	NA	NA	NA	NA
Bromomethane	mg/kg	0.7	2	NA	< 0.39	< 0.32	NA	NA	NA	NA
Butylbenzene	mg/kg	30	92	NA	**0.061 J**	**0.015 J**	NA	NA	NA	NA
Carbon disulfide	mg/kg	65	190	NA	**0.066 J**	< 0.32	NA	NA	NA	NA
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 0.39	< 0.32	NA	NA	NA	NA
Chlorobenzene	mg/kg	11	32	NA	< 0.39	< 0.32	NA	NA	NA	NA
Chlorodibromomethane	mg/kg	12	20	NA	< 0.39	< 0.32	NA	NA	NA	NA
Chloroethane	mg/kg	1000	3000	NA	< 0.39	< 0.32	NA	NA	NA	NA
Chloroform	mg/kg	2.5	4	NA	< 0.39	< 0.32	NA	NA	NA	NA
Chloromethane	mg/kg	8	23	NA	< 0.39	< 0.32	NA	NA	NA	NA
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 0.39	< 0.32	NA	NA	NA	NA
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.39	< 0.32	NA	NA	NA	NA
Cyclohexane	mg/kg	NS	NS	NA	< 0.79	< 0.63	NA	NA	NA	NA
Dibromomethane	mg/kg	260	1860	NA	< 0.39	< 0.32	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 0.39	< 0.32	NA	NA	NA	NA
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.79	< 0.63	NA	NA	NA	NA
Diethyl ether	mg/kg	NS	NS	NA	< 0.79	< 0.63	NA	NA	NA	NA
Ethylbenzene	mg/kg	200	200	NA	< 0.39	< 0.32	NA	NA	NA	NA
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 0.39	< 0.32	NA	NA	NA	NA
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.39	< 0.32	NA	NA	NA	NA
Isopropylbenzene	mg/kg	30	87	NA	**0.13 J**	**0.023 J**	NA	NA	NA	NA
Methyl acetate	mg/kg	NS	NS	NA	**0.64 J**	**0.12 J**	NA	NA	NA	NA
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 1.6	< 1.3	NA	NA	NA	NA
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 0.39	< 0.32	NA	NA	NA	NA
Methylcyclohexane	mg/kg	NS	NS	NA	**0.031 J**	< 0.63	NA	NA	NA	NA

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0606W	ASB-0606W	ASB-0402E	ASB-0402W	ASB-0402W	ASB-0402W
Sample ID		Residential	Industrial	Criteria	ASB-0606W_5-7.5 (20140115)	ASB-0606W_7.5-10 (20140115)	ASB-0402E_0-2(20131030)	ASB-0402W_0-2(20131030)	ASB-0402W_3-4(20131030)	ASB-0402W_6-7(20131030)
Depth Interval	Unit	SRV	SRV		5 - 7.5	7.5 - 10	0-2	0-2	3-4	6-7
Sample Date					1/15/2014	1/15/2014	10/30/2013	10/30/2013	10/30/2013	10/30/2013
Methylene chloride	mg/kg	97	158	NA	< 0.39	< 0.32	NA	NA	NA	NA
Naphthalene	mg/kg	10	28	NA	**0.089 J**	< 0.32	NA	NA	NA	NA
n-Propylbenzene	mg/kg	30	93	NA	**0.17 J**	**0.033 J**	NA	NA	NA	NA
p-Isopropyltoluene	mg/kg	NS	NS	NA	< 0.39	< 0.32	NA	NA	NA	NA
sec-Butylbenzene	mg/kg	25	70	NA	**0.32 J**	**0.061 J**	NA	NA	NA	NA
Styrene	mg/kg	210	600	NA	< 0.39	< 0.32	NA	NA	NA	NA
Tert-butylbenzene	mg/kg	30	90	NA	**0.062 J**	**0.013 J**	NA	NA	NA	NA
Tetrachloroethene	mg/kg	72	131	NA	< 0.39	< 0.32	NA	NA	NA	NA
Tetrahydrofuran	mg/kg	NS	NS	NA	< 1.6	< 1.3	NA	NA	NA	NA
Toluene	mg/kg	107	305	NA	< 0.39	< 0.32	NA	NA	NA	NA
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 0.39	< 0.32	NA	NA	NA	NA
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.39	< 0.32	NA	NA	NA	NA
Trichloroethene	mg/kg	29	46	NA	< 0.39	< 0.32	NA	NA	NA	NA
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 0.39	< 0.32	NA	NA	NA	NA
Vinyl chloride	mg/kg	0.8	2.2	NA	< 0.39	< 0.32	NA	NA	NA	NA
m-Xylene & p-Xylene*	mg/kg	NS	NS	NA	**0.07 J**	< 0.32	NA	NA	NA	NA
Xylene, -o*	mg/kg	NS	NS	NA	**0.016 J**	< 0.32	NA	NA	NA	NA
Total Xylenes*	mg/kg	45	130	NA	**0.086 J**	ND	NA	NA	NA	NA
SVOCs										
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
2,4-Dichlorophenol	mg/kg	48	230	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
2,4-Dimethylphenol	mg/kg	390	1925	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
2,4-Dinitrophenol	mg/kg	NS	NS	NA	< 2.4	< 2.1	< 1.7	< 1.8	< 1.9	< 2.2
2,4-Dinitrotoluene	mg/kg	50	355	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
2,6-Dinitrotoluene	mg/kg	25	175	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
2-Chloronaphthalene	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
2-Chlorophenol	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
2-Methylnaphthalene	mg/kg	100	369	NA	**0.0092 J**	< 0.43	**0.097 J**	< 0.36	**0.0062 J**	< 0.45
2-Methylphenol	mg/kg	75	352	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
2-Nitroaniline	mg/kg	NS	NS	NA	< 2.4	< 2.1	< 1.7	< 1.8	< 1.9	< 2.2
2-Nitrophenol	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
3,3-Dichlorobenzidine	mg/kg	25	50	NA	< 2.4	< 2.1	< 1.7	< 1.8	< 1.9	< 2.2
3-Nitroaniline	mg/kg	NS	NS	NA	< 2.4	< 2.1	< 1.7	< 1.8	< 1.9	< 2.2
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	< 2.4	< 2.1	< 1.7	< 1.8	< 1.9	< 2.2
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
4-Chloroaniline	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
4-Nitroaniline	mg/kg	NS	NS	NA	< 2.4	< 2.1	< 1.7	< 1.8	< 1.9	< 2.2
4-Nitrophenol	mg/kg	NS	NS	NA	< 2.4	< 2.1	< 1.7	< 1.8	< 1.9	< 2.2
Acenaphthene	mg/kg	1200	5260	NA	< 0.5	< 0.43	**0.0054 J**	< 0.36	**0.011 J**	< 0.45
Acenaphthylene	mg/kg	NS	NS	NA	< 0.5	< 0.43	**0.039 J**	< 0.36	< 0.38	< 0.45
Acetophenone	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
Anthracene	mg/kg	7880	45400	NA	< 0.5	< 0.43	**0.035 J**	**0.0065 J**	**0.03 J**	< 0.45
Atrazine	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
Benzaldehyde	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36 J	< 0.36 J	< 0.38 J	< 0.45 J
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	< 0.5	< 0.43	**0.3 J**	**0.028 J**	**0.037 J**	< 0.45
Benzo(a)anthracene	mg/kg	NS	NS	NA	< 0.5	< 0.43	**0.13 J**	**0.044 J**	**0.068 J**	< 0.45
Benzo(a)pyrene	mg/kg	2	3	NA	< 0.5	< 0.43	**0.25 J**	**0.042 J**	**0.057 J**	< 0.45
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	< 0.5	< 0.43	**0.47**	**0.055 J**	**0.073 J**	< 0.45
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	< 0.5	< 0.43	**0.16 J**	**0.028 J**	**0.039 J**	< 0.45
Biphenyl	mg/kg	NS	NS	NA	< 0.5	< 0.43	**0.012 J**	< 0.36	< 0.38	< 0.45
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	**0.1 J**	< 0.43	< 0.36	< 0.36	**0.028 J**	< 0.45
Butyl benzyl phthalate	mg/kg	580	3700	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0606W	ASB-0606W	ASB-0402E	ASB-0402W	ASB-0402W	ASB-0402W
Sample ID		Residential	Industrial	Criteria	ASB-0606W_5-7.5 (20140115)	ASB-0606W_7.5-10 (20140115)	ASB-0402E_0-2(20131030)	ASB-0402W_0-2(20131030)	ASB-0402W_3-4(20131030)	ASB-0402W_6-7(20131030)
Depth Interval	Unit	SRV	SRV		5 - 7.5	7.5 - 10	0-2	0-2	3-4	6-7
Sample Date					1/15/2014	1/15/2014	10/30/2013	10/30/2013	10/30/2013	10/30/2013
Caprolactam	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
Carbazole	mg/kg	700	1310	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
Chrysene	mg/kg	NS	NS	NA	< 0.5	< 0.43	**0.22 J**	**0.041 J**	**0.064 J**	< 0.45
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 0.5	< 0.43	**0.06 J**	< 0.36	< 0.38	< 0.45
Dibenzofuran	mg/kg	104	810	NA	< 0.5	< 0.43	**0.032 J**	< 0.36	**0.0086 J**	< 0.45
Dibutyl phthalate	mg/kg	2440	16300	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
Diethyl phthalate	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36	< 0.36	**0.019 J**	< 0.45
Dimethyl phthalate	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
di-n-Octyl phthalate	mg/kg	520	3700	NA	< 0.5	< 0.43	< 0.36	< 0.36	**0.012 J**	< 0.45
Fluoranthene	mg/kg	1080	6800	NA	< 0.5	< 0.43	**0.2 J**	**0.059 J**	**0.12 J**	**0.0054 J**
Fluorene	mg/kg	850	4120	NA	< 0.5	< 0.43	< 0.36	< 0.36	**0.02 J**	< 0.45
Hexachlorobenzene	mg/kg	5	9	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
Hexachlorocyclopentadiene	mg/kg	2	6	NA	< 2.4	< 2.1	< 1.7	< 1.8	< 1.9	< 2.2
Hexachloroethane	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	< 0.5	< 0.43	**0.23 J**	**0.024 J**	**0.031 J**	< 0.45
Isophorone	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	< 0.61	< 0.52	< 0.44	< 0.44	< 0.47	< 0.54
Naphthalene	mg/kg	10	28	NA	**0.048 J**	< 0.43	**0.085 J**	< 0.36	**0.014 J**	**0.011 J**
Nitrobenzene	mg/kg	NS	NS	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
Pentachlorophenol	mg/kg	80	120	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
Phenanthrene	mg/kg	NS	NS	NA	< 0.5	< 0.43	**0.14 J**	**0.017 J**	**0.12 J**	< 0.45
Phenol	mg/kg	1500	20203	NA	< 0.5	< 0.43	< 0.36	< 0.36	< 0.38	< 0.45
Pyrene	mg/kg	890	5800	NA	< 0.5	< 0.43	**0.21 J**	**0.064 J**	**0.12 J**	**0.0048 J**
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	ND	ND	**0.3848 J**	**0.05751 J**	**0.07874 J**	ND
Metals										
Aluminum	mg/kg	30000	100000	NA	**6700**	**10000**	NA	NA	NA	NA
Antimony	mg/kg	12	100	NA	< 1.3 J	< 1.1	NA	NA	NA	NA
Arsenic	mg/kg	9	20	NA	**9.7**	**1.6**	NA	NA	NA	NA
Barium	mg/kg	1100	18000	NA	**70**	**74**	NA	NA	NA	NA
Beryllium	mg/kg	55	230	NA	**0.4 J**	**0.58**	NA	NA	NA	NA
Cadmium	mg/kg	25	200	NA	**0.089 J**	**0.061 J**	NA	NA	NA	NA
Calcium	mg/kg	NS	NS	NA	**34000**	**27000**	NA	NA	NA	NA
Chromium**	mg/kg	NS	NS	NA	**13 J**	**16**	NA	NA	NA	NA
Cobalt	mg/kg	600	2600	NA	**11**	**6.9**	NA	NA	NA	NA
Copper	mg/kg	100	9000	NA	**11**	**25**	NA	NA	NA	NA
Iron	mg/kg	9000	75000	NA	**13000**	**13000**	NA	NA	NA	NA
Lead	mg/kg	300	700	NA	**4.6**	**6.3**	NA	NA	NA	NA
Magnesium	mg/kg	NS	NS	NA	**7600 J**	**3600**	NA	NA	NA	NA
Manganese	mg/kg	3600	8100	NA	**650**	**220**	NA	NA	NA	NA
Mercury	mg/kg	0.5	1.5	NA	< 0.17	< 0.14	NA	NA	NA	NA
Nickel	mg/kg	560	2500	NA	**21**	**20**	NA	NA	NA	NA
Potassium	mg/kg	NS	NS	NA	**1900**	**2100**	NA	NA	NA	NA
Selenium	mg/kg	160	1300	NA	< 0.66	< 0.55	NA	NA	NA	NA
Silver	mg/kg	160	1300	NA	< 0.66	< 0.55	NA	NA	NA	NA
Sodium	mg/kg	NS	NS	NA	**180 J**	**160 J**	NA	NA	NA	NA
Thallium	mg/kg	3	21	NA	< 1.3	< 1.1	NA	NA	NA	NA
Vanadium	mg/kg	30	250	NA	**14**	**13**	NA	NA	NA	NA
Zinc	mg/kg	8700	75000	NA	**25**	**35**	NA	NA	NA	NA
Metals-TCLP										
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA
PCBs										
Aroclor 1016	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID			Tier 1	Tier 2	TCLP	ASB-0606W	ASB-0606W	ASB-0402E	ASB-0402W	ASB-0402W	ASB-0402W
Sample ID			Residential	Industrial	Criteria	ASB-0606W_5-7.5 (20140115)	ASB-0606W_7.5-10 (20140115)	ASB-0402E_0-2(20131030)	ASB-0402W_0-2(20131030)	ASB-0402W_3-4(20131030)	ASB-0402W_6-7(20131030)
Depth Interval		Unit	SRV	SRV		5 - 7.5	7.5 - 10	0-2	0-2	3-4	6-7
Sample Date						1/15/2014	1/15/2014	10/30/2013	10/30/2013	10/30/2013	10/30/2013
Aroclor 1248		mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254		mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260		mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA
Other											
Gasoline Range Organics		mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics		mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Cyanide		mg/kg	60	5000	NA	NA	NA	NA	NA	NA	NA

Notes:

mg/kg	Milligrams per kilogram
mg/l	Milligrams per liter
<	Not detected
ASB	ARCADIS Soil Boring
NA	Not applicable/not analyzed
ND	Not detected
NS	No standard
J	Estimated result
Bold	Detected value
Shade	Result value is above the MPCA Tier 1 Residential SRV
Box	Result value is above the MCPA Tier 2 Industrial SRV
VOCs	Volatile organic compounds
SVOCs	Semi-volatile compounds
PCBs	Polychlorinated biphenyls
SRV	Soil reference value
TCLP	Toxicity characteristic leaching procedure
MPCA	Minnesota Pollution Control Agency
*	Criteria for total xylenes used
**	SRVs are for Chromium VI and Chromium III respectively, reported data is for total chromium and is therefore compared to the lower of the SRVs
***	Reporting limit exceeds standard

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0405N	ASB-0405N	ASB-0405W	ASB-0406E	ASB-0406E	ASB-0406E	ASB-0406S
Sample ID		Residential	Industrial	Criteria	ASB-0405N_1-3(20131029)	ASB-0405N_3-5(20131029)	ASB-0405W_1-3(20131029)	ASB-0406E_4-6(20131029)	ASB-0406E_9-10(20131029)	ASB-0406E_10-11(20131029)	ASB-0406S_0-1(20131029)
Depth Interval	Unit	SRV	SRV		1-3	3-5	1-3	4-6	9-10	10-11	0-1
Sample Date					10/29/2013	10/29/2013	10/29/2013	10/29/2013	10/29/2013	10/29/2013	10/29/2013
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	mg/kg	140	472	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	mg/kg	9	14	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	mg/kg	34	55	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	mg/kg	20	60	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	26	75	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	mg/kg	4	6	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	mg/kg	4	6	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	26	200	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	30	50	NA	NA	NA	NA	NA	NA	NA	NA
1.3-Dichloropropane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	mg/kg	5500	19000	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	mg/kg	436	436	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	mg/kg	340	1000	NA	NA	NA	NA	NA	NA	NA	NA
Allyl chloride	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/kg	6	10	NA	NA	NA	NA	NA	NA	NA	NA
Bromobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	mg/kg	10	17	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	mg/kg	370	650	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	mg/kg	0.7	2	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzene	mg/kg	30	92	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	mg/kg	65	190	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	mg/kg	0.3	0.9	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	mg/kg	11	32	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	mg/kg	12	20	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	mg/kg	1000	3000	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	mg/kg	2.5	4	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	mg/kg	8	23	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	mg/kg	8	22	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	mg/kg	260	1860	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	mg/kg	200	200	NA	NA	NA	NA	NA	NA	NA	NA
Ethylene dibromide	mg/kg	0.3	0.5	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	mg/kg	30	87	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Methyl isobutyl ketone	mg/kg	1700	9000	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0405N	ASB-0405N	ASB-0405W	ASB-0406E	ASB-0406E	ASB-0406E	ASB-0406S
Sample ID		Residential	Industrial	Criteria	ASB-0405N_1-3(20131029)	ASB-0405N_3-5(20131029)	ASB-0405W_1-3(20131029)	ASB-0406E_4-6(20131029)	ASB-0406E_9-10(20131029)	ASB-0406E_10-11(20131029)	ASB-0406S_0-1(20131029)
Depth Interval	Unit	SRV	SRV		1-3	3-5	1-3	4-6	9-10	10-11	0-1
Sample Date					10/29/2013	10/29/2013	10/29/2013	10/29/2013	10/29/2013	10/29/2013	10/29/2013
Methylene chloride	mg/kg	97	158	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	10	28	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	30	93	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	mg/kg	25	70	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/kg	210	600	NA	NA	NA	NA	NA	NA	NA	NA
Tert-butylbenzene	mg/kg	30	90	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	mg/kg	72	131	NA	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	mg/kg	107	305	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	mg/kg	11	33	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/kg	29	46	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	mg/kg	0.8	2.2	NA	NA	NA	NA	NA	NA	NA	NA
m-Xylene & p-Xylene*	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Xylene, -o*	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes*	mg/kg	45	130	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	NA	NA	NA	< 0.36	< 1.9	< 0.39	< 1.4
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	NA	NA	NA	< 0.36	< 1.9	< 0.39	< 1.4
2,4-Dichlorophenol	mg/kg	48	230	NA	NA	NA	NA	< 0.36	< 1.9	< 0.39	< 1.4
2,4-Dimethylphenol	mg/kg	390	1925	NA	NA	NA	NA	< 0.36	< 1.9	< 0.39	< 1.4
2,4-Dinitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	< 1.8	< 9.1	< 1.9	< 7
2,4-Dinitrotoluene	mg/kg	50	355	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
2,6-Dinitrotoluene	mg/kg	25	175	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
2-Chloronaphthalene	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
2-Chlorophenol	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	< 1.9	< 0.39	< 1.4
2-Methylnaphthalene	mg/kg	100	369	NA	NA	NA	NA	< 0.36	**0.2 J**	**0.034 J**	**0.026 J**
2-Methylphenol	mg/kg	75	352	NA	NA	NA	NA	< 0.36	< 1.9	< 0.39	< 1.4
2-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	< 1.8	**R**	< 1.9	< 7
2-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	< 1.9	< 0.39	< 1.4
3,3-Dichlorobenzidine	mg/kg	25	50	NA	NA	NA	NA	< 1.8	< 9.1	< 1.9	< 7
3-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	< 1.8	**R**	< 1.9	< 7
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	< 1.8	< 9.1	< 1.9	< 7
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	< 1.9	< 0.39	< 1.4
4-Chloroaniline	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
4-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	< 1.8	**R**	< 1.9	< 7
4-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	< 1.8	< 9.1	< 1.9	< 7
Acenaphthene	mg/kg	1200	5260	NA	NA	NA	NA	**0.019 J**	**R**	< 0.39	< 1.4
Acenaphthylene	mg/kg	NS	NS	NA	NA	NA	NA	**0.0053 J**	**R**	< 0.39	< 1.4
Acetophenone	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
Anthracene	mg/kg	7880	45400	NA	NA	NA	NA	**0.1 J**	**R**	**0.004 J**	**0.022 J**
Atrazine	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
Benzaldehyde	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36 J	**R**	< 0.39 J	< 1.4 J
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	NA	NA	NA	**0.28 J**	**R**	**0.0061 J**	**0.12 J**
Benzo(a)anthracene	mg/kg	NS	NS	NA	NA	NA	NA	**0.35 J**	**R**	**0.01 J**	**0.2 J**
Benzo(a)pyrene	mg/kg	2	3	NA	NA	NA	NA	**0.37**	**R**	**0.01 J**	**0.17 J**
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	NA	NA	NA	**0.54**	**R**	**0.0082 J**	**0.29 J**
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	NA	NA	NA	**0.15 J**	**R**	**0.0063 J**	**0.094 J**
Biphenyl	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	< 1.9	< 0.39	< 1.4
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	< 1.9	< 0.39	< 1.4
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	NA	NA	NA	**0.061 J**	**R**	< 0.39	< 1.4
Butyl benzyl phthalate	mg/kg	580	3700	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0405N	ASB-0405N	ASB-0405W	ASB-0406E	ASB-0406E	ASB-0406E	ASB-0406S
Sample ID		Residential	Industrial	Criteria	ASB-0405N_1-3(20131029)	ASB-0405N_3-5(20131029)	ASB-0405W_1-3(20131029)	ASB-0406E_4-6(20131029)	ASB-0406E_9-10(20131029)	ASB-0406E_10-11(20131029)	ASB-0406S_0-1(20131029)
Depth Interval	Unit	SRV	SRV		1-3	3-5	1-3	4-6	9-10	10-11	0-1
Sample Date					10/29/2013	10/29/2013	10/29/2013	10/29/2013	10/29/2013	10/29/2013	10/29/2013
Caprolactam	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
Carbazole	mg/kg	700	1310	NA	NA	NA	NA	**0.032 J**	**R**	< 0.39	< 1.4
Chrysene	mg/kg	NS	NS	NA	NA	NA	NA	**0.36**	**R**	**0.012 J**	**0.24 J**
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	NA	NA	NA	**0.071 J**	**R**	< 0.39	< 1.4
Dibenzofuran	mg/kg	104	810	NA	NA	NA	NA	**0.012 J**	**R**	< 0.39	< 1.4
Dibutyl phthalate	mg/kg	2440	16300	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
Diethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
Dimethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
di-n-Octyl phthalate	mg/kg	520	3700	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
Fluoranthene	mg/kg	1080	6800	NA	NA	NA	NA	**0.55**	**0.049 J**	**0.014 J**	**0.28 J**
Fluorene	mg/kg	850	4120	NA	NA	NA	NA	**0.024 J**	**0.024 J**	< 0.39	< 1.4
Hexachlorobenzene	mg/kg	5	9	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
Hexachlorocyclopentadiene	mg/kg	2	6	NA	NA	NA	NA	< 1.8	**R**	< 1.9	< 7
Hexachloroethane	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	NA	NA	NA	**0.22 J**	**R**	< 0.39	**0.098 J**
Isophorone	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	NA	NA	NA	< 0.44	< 2.3	< 0.47	< 1.7
Naphthalene	mg/kg	10	28	NA	NA	NA	NA	**0.0038 J**	**0.18 J**	< 0.39	**0.069 J**
Nitrobenzene	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	NA	NA	NA	< 0.36	**R**	< 0.39	< 1.4
Pentachlorophenol	mg/kg	80	120	NA	NA	NA	NA	< 0.36	< 1.9	< 0.39	< 1.4
Phenanthrene	mg/kg	NS	NS	NA	NA	NA	NA	**0.37**	**0.074 J**	**0.012 J**	**0.094 J**
Phenol	mg/kg	1500	20203	NA	NA	NA	NA	< 0.36	< 1.9	< 0.39	< 1.4
Pyrene	mg/kg	890	5800	NA	NA	NA	NA	**0.52**	**0.056 J**	**0.018 J**	**0.3 J**
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	NA	NA	NA	**0.53936 J**	**R**	**0.01257 J**	**0.2406 J**
Metals											
Aluminum	mg/kg	30000	100000	NA	**3700**	**2900**	**4600**	**4700**	**7900**	**1700**	**2600**
Antimony	mg/kg	12	100	NA	**0.51 J**	**1.3**	**0.88 J**	**0.45 J**	**0.64 J**	< 1.1	**1.4**
Arsenic	mg/kg	9	20	NA	**12**	**52**	**3.3**	**6.9**	**3.9**	**2.8**	**4.5**
Barium	mg/kg	1100	18000	NA	**34**	**57**	**97**	**75**	**83**	**26**	**53**
Beryllium	mg/kg	55	230	NA	< 0.53	**0.055 J**	< 0.48	< 0.45	**0.14 J**	**0.3 J**	< 0.5
Cadmium	mg/kg	25	200	NA	**0.32**	**0.44**	**1.6**	**0.34**	**0.43**	**0.25**	**0.47**
Calcium	mg/kg	NS	NS	NA	**25000**	**45000**	**18000**	**39000**	**33000**	**52000**	**39000**
Chromium**	mg/kg	NS	NS	NA	**7.4**	**7.8**	**10**	**19**	**13**	**14**	**7.6**
Cobalt	mg/kg	600	2600	NA	**3.8 J**	**4.1 J**	**5.5**	**7.6**	**10**	**12**	**4.6 J**
Copper	mg/kg	100	9000	NA	**9.6**	**13**	**12**	**17**	**15**	**12**	**9.3**
Iron	mg/kg	9000	75000	NA	**11000**	**12000**	**12000**	**15000**	**17000**	**16000**	**8600**
Lead	mg/kg	300	700	NA	**13**	**33**	**130**	**52**	**8.5**	**3**	**42**
Magnesium	mg/kg	NS	NS	NA	**12000**	**12000**	**5200**	**12000**	**7400**	**17000**	**12000**
Manganese	mg/kg	3600	8100	NA	**370**	**450**	**590**	**530**	**890**	**2000**	**400**
Mercury	mg/kg	0.5	1.5	NA	< 0.098	**0.095 J**	**0.022 J**	**0.046 J**	**0.029 J**	< 0.12	**0.023 J**
Nickel	mg/kg	560	2500	NA	**8.1**	**7.1**	**11**	**18**	**17**	**29**	**9.6**
Potassium	mg/kg	NS	NS	NA	**470 J**	**540**	**590**	**1000**	**580 J**	**870**	**660**
Selenium	mg/kg	160	1300	NA	< 0.53	< 0.51	**0.75**	< 0.45	**1.3**	< 0.55	< 0.5
Silver	mg/kg	160	1300	NA	< 0.53	< 0.51	< 0.48	< 0.45	< 0.65	< 0.55	< 0.5
Sodium	mg/kg	NS	NS	NA	< 530	**160 J**	**160 J**	**210 J**	**95 J**	**84 J**	< 500
Thallium	mg/kg	3	21	NA	< 1.1	< 1	< 0.95	**0.75 J**	**0.74 J**	**2.5**	< 1
Vanadium	mg/kg	30	250	NA	**17**	**12**	**20**	**19**	**27**	**8.9**	**11**
Zinc	mg/kg	8700	75000	NA	**85**	**91**	**28**	**38**	**26**	**5.2**	**30**
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID			Tier 1	Tier 2	TCLP	ASB-0405N	ASB-0405N	ASB-0405W	ASB-0406E	ASB-0406E	ASB-0406E	ASB-0406S
Sample ID			Residential	Industrial	Criteria	ASB-0405N_1-3(20131029)	ASB-0405N_3-5(20131029)	ASB-0405W_1-3(20131029)	ASB-0406E_4-6(20131029)	ASB-0406E_9-10(20131029)	ASB-0406E_10-11(20131029)	ASB-0406S_0-1(20131029)
Depth Interval		Unit	SRV	SRV		1-3	3-5	1-3	4-6	9-10	10-11	0-1
Sample Date						10/29/2013	10/29/2013	10/29/2013	10/29/2013	10/29/2013	10/29/2013	10/29/2013
Aroclor 1248		mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254		mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260		mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Other												
Gasoline Range Organics		mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics		mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide		mg/kg	60	5000	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

mg/kg	Milligrams per kilogram
mg/l	Milligrams per liter
<	Not detected
ASB	ARCADIS Soil Boring
NA	Not applicable/not analyzed
ND	Not detected
NS	No standard
J	Estimated result
Bold	Detected value
Shade	Result value is above the MPCA Tier 1 Residential SRV
Box	Result value is above the MCPA Tier 2 Industrial SRV
VOCs	Volatile organic compounds
SVOCs	Semi-volatile compounds
PCBs	Polychlorinated biphenyls
SRV	Soil reference value
TCLP	Toxicity characteristic leaching procedure
MPCA	Minnesota Pollution Control Agency
*	Criteria for total xylenes used
**	SRVs are for Chromium VI and Chromium III respectively, reported data is for total chromium and is therefore compared to the lower of the SRVs
***	Reporting limit exceeds standard

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0406S	ASB-0406S	ASB-0406W	ASB-0406W	ASB-0407E	ASB-0407E	ASB-0407N
Sample ID		Residential	Industrial	Criteria	ASB-0406S_4-6(20131029)	ASB-0406S_8-10(20131029)	ASB-0406W-2-3(20131028)	ASB-0406W-4-6(20131028)	ASB-0407E_8-10(20131028)	ASB-0407E_10-11(20131028)	ASB-0407N-8-10(20131028)
Depth Interval	Unit	SRV	SRV		4-6	8-10	2 - 3	4 - 6	8-10	10-11	8 - 10
Sample Date					10/29/2013	10/29/2013	10/28/2013	10/28/2013	10/28/2013	10/28/2013	10/28/2013
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
1,1,1-Trichloroethane	mg/kg	140	472	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
1,1,2-Trichloroethane	mg/kg	9	14	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
1,1-Dichloroethane	mg/kg	34	55	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
1,1-Dichloroethene	mg/kg	20	60	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
1,1-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	NA	NA	NA	NA	< 1.4	**500**	**29**
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 2.8	< 31	< 2.2
1,2-Dichlorobenzene	mg/kg	26	75	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
1,2-Dichloroethane	mg/kg	4	6	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
1,2-Dichloropropane	mg/kg	4	6	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
1,3-Dichlorobenzene	mg/kg	26	200	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
1,4-Dichlorobenzene	mg/kg	30	50	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
1.3-Dichloropropane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
2,2-Dichloropropane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
2-Butanone (MEK)	mg/kg	5500	19000	NA	NA	NA	NA	NA	< 5.5	< 62	< 4.4
2-Chlorotoluene	mg/kg	436	436	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
2-Hexanone	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 5.5	< 62	< 4.4
4-Chlorotoluene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Acetone	mg/kg	340	1000	NA	NA	NA	NA	NA	< 5.5	**20 J**	< 4.4
Allyl chloride	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 2.8	< 31	< 2.2
Benzene	mg/kg	6	10	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Bromobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Bromochloromethane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Bromodichloromethane	mg/kg	10	17	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Bromoform	mg/kg	370	650	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Bromomethane	mg/kg	0.7	2	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Butylbenzene	mg/kg	30	92	NA	NA	NA	NA	NA	**3.1 J**	**20**	**1.8**
Carbon disulfide	mg/kg	65	190	NA	NA	NA	NA	NA	< 1.4	< 16	**0.16 J**
Carbon tetrachloride	mg/kg	0.3	0.9	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Chlorobenzene	mg/kg	11	32	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Chlorodibromomethane	mg/kg	12	20	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Chloroethane	mg/kg	1000	3000	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Chloroform	mg/kg	2.5	4	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Chloromethane	mg/kg	8	23	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
cis-1,2-Dichloroethene	mg/kg	8	22	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Cyclohexane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 2.8	**13 J**	**0.5 J**
Dibromomethane	mg/kg	260	1860	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 2.8	< 31	< 2.2
Diethyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 2.8	< 31	< 2.2
Ethylbenzene	mg/kg	200	200	NA	NA	NA	NA	NA	< 1.4	**48**	**1.5**
Ethylene dibromide	mg/kg	0.3	0.5	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Isopropylbenzene	mg/kg	30	87	NA	NA	NA	NA	NA	**6.1 J**	**32**	**4.2**
Methyl acetate	mg/kg	NS	NS	NA	NA	NA	NA	NA	**1.6 J**	< 31	**1.8 J**
Methyl isobutyl ketone	mg/kg	1700	9000	NA	NA	NA	NA	NA	< 5.5	< 62	< 4.4
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Methylcyclohexane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 2.8	**79**	**2.5**

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0406S	ASB-0406S	ASB-0406W	ASB-0406W	ASB-0407E	ASB-0407E	ASB-0407N
Sample ID		Residential	Industrial	Criteria	ASB-0406S_4-6(20131029)	ASB-0406S_8-10(20131029)	ASB-0406W-2-3(20131028)	ASB-0406W-4-6(20131028)	ASB-0407E_8-10(20131028)	ASB-0407E_10-11(20131028)	ASB-0407N-8-10(20131028)
Depth Interval	Unit	SRV	SRV		4-6	8-10	2 - 3	4 - 6	8-10	10-11	8 - 10
Sample Date					10/29/2013	10/29/2013	10/28/2013	10/28/2013	10/28/2013	10/28/2013	10/28/2013
Methylene chloride	mg/kg	97	158	NA	NA	NA	NA	NA	< 1.4	< 16	**0.91 J**
Naphthalene	mg/kg	10	28	NA	NA	NA	NA	NA	**0.23 J**	**35**	**5**
n-Propylbenzene	mg/kg	30	93	NA	NA	NA	NA	NA	**7.6 J**	**37**	**4.1**
p-Isopropyltoluene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.4	**25**	**1.7**
sec-Butylbenzene	mg/kg	25	70	NA	NA	NA	NA	NA	**14 J**	**29**	**8.2**
Styrene	mg/kg	210	600	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Tert-butylbenzene	mg/kg	30	90	NA	NA	NA	NA	NA	**2.5 J**	< 16	**1.5**
Tetrachloroethene	mg/kg	72	131	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Tetrahydrofuran	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 5.5	< 62	< 4.4
Toluene	mg/kg	107	305	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
trans-1,2-Dichloroethene	mg/kg	11	33	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Trichloroethene	mg/kg	29	46	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Vinyl chloride	mg/kg	0.8	2.2	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
m-Xylene & p-Xylene*	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Xylene, -o*	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.4	< 16	< 1.1
Total Xylenes*	mg/kg	45	130	NA	NA	NA	NA	NA	ND	ND	ND
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	< 1.6	< 4.4
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	< 1.6	< 4.4
2,4-Dichlorophenol	mg/kg	48	230	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	< 1.6	< 4.4
2,4-Dimethylphenol	mg/kg	390	1925	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	< 1.6	< 4.4
2,4-Dinitrophenol	mg/kg	NS	NS	NA	< 2	< 2	< 23	< 1.9	< 10	< 7.8	< 21
2,4-Dinitrotoluene	mg/kg	50	355	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
2,6-Dinitrotoluene	mg/kg	25	175	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
2-Chloronaphthalene	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
2-Chlorophenol	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	< 1.6	< 4.4
2-Methylnaphthalene	mg/kg	100	369	NA	< 0.41	< 0.42	**0.29 J**	**0.027 J**	**0.4 J**	**0.69 J**	**0.94 J**
2-Methylphenol	mg/kg	75	352	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	< 1.6	< 4.4
2-Nitroaniline	mg/kg	NS	NS	NA	< 2	< 2	< 23	< 1.9	< 10	**R**	< 21
2-Nitrophenol	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	< 1.6	< 4.4
3,3-Dichlorobenzidine	mg/kg	25	50	NA	< 2	< 2	< 23	< 1.9	< 10	< 7.8	< 21
3-Nitroaniline	mg/kg	NS	NS	NA	< 2	< 2	< 23	< 1.9	< 10	**R**	< 21
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	< 2	< 2	< 23	< 1.9	< 10	< 7.8	< 21
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	< 1.6	< 4.4
4-Chloroaniline	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
4-Nitroaniline	mg/kg	NS	NS	NA	< 2	< 2	< 23	< 1.9	< 10	**R**	< 21
4-Nitrophenol	mg/kg	NS	NS	NA	< 2	< 2	< 23	< 1.9	< 10	< 7.8	< 21
Acenaphthene	mg/kg	1200	5260	NA	< 0.41	< 0.42	**0.71 J**	**0.14 J**	< 2.1	**R**	< 4.4
Acenaphthylene	mg/kg	NS	NS	NA	< 0.41	< 0.42	**0.45 J**	**0.026 J**	< 2.1	**R**	< 4.4
Acetophenone	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
Anthracene	mg/kg	7880	45400	NA	< 0.41	< 0.42	**1.9 J**	**0.36 J**	< 2.1	**R**	**0.047 J**
Atrazine	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7 J	< 0.4 J	< 2.1	**R**	< 4.4 J
Benzaldehyde	mg/kg	NS	NS	NA	< 0.41 J	< 0.42 J	< 4.7 J	< 0.4 J	< 2.1 J	**R**	< 4.4 J
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	< 0.41	< 0.42	**2.7 J**	**0.3 J**	< 2.1	**R**	< 4.4
Benzo(a)anthracene	mg/kg	NS	NS	NA	< 0.41	< 0.42	**6.4**	**0.69**	< 2.1	**R**	< 4.4
Benzo(a)pyrene	mg/kg	2	3	NA	< 0.41	< 0.42	**5.6**	**0.58**	< 2.1	**R**	< 4.4
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	< 0.41	< 0.42	**6.1**	**0.75**	< 2.1	**R**	< 4.4
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	< 0.41	< 0.42	**2.9 J**	**0.28 J**	< 2.1	**R**	< 4.4
Biphenyl	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	< 1.6	< 4.4
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	< 1.6	< 4.4
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	< 0.41	< 0.42	< 4.7	**0.029 J**	< 2.1	**R**	< 4.4
Butyl benzyl phthalate	mg/kg	580	3700	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0406S	ASB-0406S	ASB-0406W	ASB-0406W	ASB-0407E	ASB-0407E	ASB-0407N
Sample ID		Residential	Industrial	Criteria	ASB-0406S_4-6(20131029)	ASB-0406S_8-10(20131029)	ASB-0406W-2-3(20131028)	ASB-0406W-4-6(20131028)	ASB-0407E_8-10(20131028)	ASB-0407E_10-11(20131028)	ASB-0407N-8-10(20131028)
Depth Interval	Unit	SRV	SRV		4-6	8-10	2 - 3	4 - 6	8-10	10-11	8 - 10
Sample Date					10/29/2013	10/29/2013	10/28/2013	10/28/2013	10/28/2013	10/28/2013	10/28/2013
Caprolactam	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
Carbazole	mg/kg	700	1310	NA	< 0.41	< 0.42	**0.47 J**	**0.097 J**	< 2.1	**R**	< 4.4
Chrysene	mg/kg	NS	NS	NA	< 0.41	< 0.42	**6.1**	**0.65**	< 2.1	**R**	< 4.4
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 0.41	< 0.42	**0.95 J**	**0.09 J**	< 2.1	**R**	< 4.4
Dibenzofuran	mg/kg	104	810	NA	< 0.41	< 0.42	**0.41 J**	**0.085 J**	< 2.1	**R**	< 4.4
Dibutyl phthalate	mg/kg	2440	16300	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
Diethyl phthalate	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
Dimethyl phthalate	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
di-n-Octyl phthalate	mg/kg	520	3700	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
Fluoranthene	mg/kg	1080	6800	NA	< 0.41	< 0.42	**11**	**1.4**	**0.055 J**	**0.031 J**	**0.14 J**
Fluorene	mg/kg	850	4120	NA	< 0.41	< 0.42	**0.85 J**	**0.16 J**	**0.037 J**	**R**	< 4.4
Hexachlorobenzene	mg/kg	5	9	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
Hexachlorocyclopentadiene	mg/kg	2	6	NA	< 2	< 2	< 23	< 1.9	< 10	**R**	< 21
Hexachloroethane	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	< 0.41	< 0.42	**2.4 J**	**0.29 J**	< 2.1	**R**	< 4.4
Isophorone	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	< 0.5	< 0.5	< 5.7	< 0.49	< 2.5	< 1.9	< 5.4
Naphthalene	mg/kg	10	28	NA	< 0.41	< 0.42	**0.49 J**	**0.016 J**	**4.1**	**2.8 J**	**9.5**
Nitrobenzene	mg/kg	NS	NS	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	**R**	< 4.4
Pentachlorophenol	mg/kg	80	120	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	< 1.6	< 4.4
Phenanthrene	mg/kg	NS	NS	NA	< 0.41	< 0.42	**7.1**	**1.3**	**0.094 J**	**0.048 J**	**0.16 J**
Phenol	mg/kg	1500	20203	NA	< 0.41	< 0.42	< 4.7	< 0.4	< 2.1	< 1.6	< 4.4
Pyrene	mg/kg	890	5800	NA	< 0.41	< 0.42	**12**	**1.3**	**0.053 J**	**0.039 J**	**0.16 J**
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	ND	ND	**7.973 J**	**0.8379 J**	ND	**R**	ND
Metals											
Aluminum	mg/kg	30000	100000	NA	**8800**	**9300**	**4700**	**7700**	**7100**	**4700**	**7000**
Antimony	mg/kg	12	100	NA	< 1	< 1.1	< 0.96 J	< 1.2	**1.1 J**	< 0.82	**1.2**
Arsenic	mg/kg	9	20	NA	**5**	**4.7**	**4.2**	**3.9**	**4.9**	**3.6**	**4**
Barium	mg/kg	1100	18000	NA	**45**	**46**	**120 J**	**32**	**120**	**61**	**61**
Beryllium	mg/kg	55	230	NA	**0.51**	**0.51 J**	**0.27 J**	**0.52 J**	**0.23 J**	**0.31 J**	**0.39 J**
Cadmium	mg/kg	25	200	NA	**0.22**	**0.19 J**	**0.2**	< 0.24	**0.56**	**0.3**	**0.15 J**
Calcium	mg/kg	NS	NS	NA	**28000**	**24000**	**39000**	**9900**	**24000**	**38000**	**15000**
Chromium**	mg/kg	NS	NS	NA	**16**	**18**	**9**	**18**	**11**	**11**	**13**
Cobalt	mg/kg	600	2600	NA	**9.8**	**10**	**5**	**9.3**	**9**	**6.6**	**8.9**
Copper	mg/kg	100	9000	NA	**24**	**14**	**12**	**11**	**17**	**9.7**	**13**
Iron	mg/kg	9000	75000	NA	**16000**	**16000**	**11000**	**12000**	**13000**	**17000**	**13000**
Lead	mg/kg	300	700	NA	**3.7**	**4.5**	**13**	**3.7**	**18**	**3.7**	**6.8**
Magnesium	mg/kg	NS	NS	NA	**8200**	**7100**	**5700**	**4100**	**3500**	**20000**	**4700**
Manganese	mg/kg	3600	8100	NA	**230**	**500**	**620**	**130**	**420**	**840**	**350**
Mercury	mg/kg	0.5	1.5	NA	**0.02 J**	**0.024 J**	**0.52**	**0.065 J**	**0.045 J**	< 0.14	**0.025 J**
Nickel	mg/kg	560	2500	NA	**20**	**21**	**13**	**20**	**14**	**12**	**17**
Potassium	mg/kg	NS	NS	NA	**3600**	**2900**	**830**	**4000**	**570 J**	**730**	**1600**
Selenium	mg/kg	160	1300	NA	< 0.51	**0.52 J**	< 0.48	< 0.6	**1.9**	< 0.41	< 0.59
Silver	mg/kg	160	1300	NA	< 0.51	< 0.56	< 0.48	< 0.6	< 0.62	< 0.41	< 0.59
Sodium	mg/kg	NS	NS	NA	**270 J**	**86 J**	**240 J**	**290 J**	**110 J**	**72 J**	**130 J**
Thallium	mg/kg	3	21	NA	**0.56 J**	**0.84 J**	< 0.96	< 1.2	**0.87 J**	**1.1**	< 1.2
Vanadium	mg/kg	30	250	NA	**15**	**20**	**14**	**8**	**18**	**14**	**18**
Zinc	mg/kg	8700	75000	NA	**33**	**32**	**86 J**	**26**	**35**	**17**	**30**
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID			Tier 1	Tier 2	TCLP	ASB-0406S	ASB-0406S	ASB-0406W	ASB-0406W	ASB-0407E	ASB-0407E	ASB-0407N
Sample ID			Residential	Industrial	Criteria	ASB-0406S_4-6(20131029)	ASB-0406S_8-10(20131029)	ASB-0406W-2-3(20131028)	ASB-0406W-4-6(20131028)	ASB-0407E_8-10(20131028)	ASB-0407E_10-11(20131028)	ASB-0407N-8-10(20131028)
Depth Interval		Unit	SRV	SRV		4-6	8-10	2 - 3	4 - 6	8-10	10-11	8 - 10
Sample Date						10/29/2013	10/29/2013	10/28/2013	10/28/2013	10/28/2013	10/28/2013	10/28/2013
Aroclor 1248		mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254		mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260		mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Other												
Gasoline Range Organics		mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics		mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide		mg/kg	60	5000	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

mg/kg	Milligrams per kilogram
mg/l	Milligrams per liter
<	Not detected
ASB	ARCADIS Soil Boring
NA	Not applicable/not analyzed
ND	Not detected
NS	No standard
J	Estimated result
Bold	Detected value
Shade	Result value is above the MPCA Tier 1 Residential SRV
Box	Result value is above the MCPA Tier 2 Industrial SRV
VOCs	Volatile organic compounds
SVOCs	Semi-volatile compounds
PCBs	Polychlorinated biphenyls
SRV	Soil reference value
TCLP	Toxicity characteristic leaching procedure
MPCA	Minnesota Pollution Control Agency
*	Criteria for total xylenes used
**	SRVs are for Chromium VI and Chromium III respectively, reported data is for total chromium and is therefore compared to the lower of the SRVs
***	Reporting limit exceeds standard

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0407W	ASB-0407W	ASB-0702S	ASB-0705E	ASB-0705E	ASB-0705E
Sample ID		Residential	Industrial	Criteria	ASB-0407W-8-10(20131028)	ASB-0407W-10-11(20131028)	ASB-0702S_4-6(20131025)	ASB-0705E_1-3 (20131030)	ASB-0705E_4-5 (20131031)	ASB-0705E_10.5-11.5 (20131031)
Depth Interval	Unit	SRV	SRV		8 - 10	10 - 11	4-6	1-3	4-5	10.5-11.5
Sample Date					10/28/2013	10/28/2013	10/25/2013	10/30/2013	10/31/2013	10/31/2013
VOCs										
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
1,1-Dichloroethane	mg/kg	34	55	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
1,1-Dichloroethene	mg/kg	20	60	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	**0.021 J**	< 0.33	NA	**0.017 J**	**0.16 J**	< 0.39
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.64	< 0.65	NA	< 0.62	< 2.1	< 0.77
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
1,2-Dichloroethane	mg/kg	4	6	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
1,2-Dichloropropane	mg/kg	4	6	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
1.3-Dichloropropane	mg/kg	NS	NS	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 1.3	< 1.3	NA	< 1.2	< 4.2	< 1.5
2-Chlorotoluene	mg/kg	436	436	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
2-Hexanone	mg/kg	NS	NS	NA	< 1.3	< 1.3	NA	< 1.2	< 4.2	< 1.5
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Acetone	mg/kg	340	1000	NA	< 1.3	< 1.3	NA	< 1.2	< 4.2	< 1.5
Allyl chloride	mg/kg	NS	NS	NA	< 0.64	< 0.65	NA	< 0.62	< 2.1	< 0.77
Benzene	mg/kg	6	10	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Bromobenzene	mg/kg	NS	NS	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Bromochloromethane	mg/kg	NS	NS	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Bromodichloromethane	mg/kg	10	17	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Bromoform	mg/kg	370	650	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Bromomethane	mg/kg	0.7	2	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Butylbenzene	mg/kg	30	92	NA	< 0.32	< 0.33	NA	< 0.31	**1.3**	< 0.39
Carbon disulfide	mg/kg	65	190	NA	< 0.32	**0.021 J**	NA	< 0.31	< 1	< 0.39
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Chlorobenzene	mg/kg	11	32	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Chlorodibromomethane	mg/kg	12	20	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Chloroethane	mg/kg	1000	3000	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Chloroform	mg/kg	2.5	4	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Chloromethane	mg/kg	8	23	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Cyclohexane	mg/kg	NS	NS	NA	< 0.64	< 0.65	NA	< 0.62	< 2.1	< 0.77
Dibromomethane	mg/kg	260	1860	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.64	< 0.65	NA	< 0.62	< 2.1	< 0.77
Diethyl ether	mg/kg	NS	NS	NA	< 0.64	< 0.65	NA	< 0.62	< 2.1	< 0.77
Ethylbenzene	mg/kg	200	200	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Isopropylbenzene	mg/kg	30	87	NA	< 0.32	< 0.33	NA	< 0.31	**0.73 J**	< 0.39
Methyl acetate	mg/kg	NS	NS	NA	**1.6**	**1.7**	NA	**0.13 J**	**0.35 J**	**0.062 J**
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 1.3	< 1.3	NA	< 1.2	< 4.2	< 1.5
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Methylcyclohexane	mg/kg	NS	NS	NA	< 0.64	< 0.65	NA	< 0.62	**0.38 J**	< 0.77

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0407W	ASB-0407W	ASB-0702S	ASB-0705E	ASB-0705E	ASB-0705E
Sample ID		Residential	Industrial	Criteria	ASB-0407W-8-10(20131028)	ASB-0407W-10-11(20131028)	ASB-0702S_4-6(20131025)	ASB-0705E_1-3 (20131030)	ASB-0705E_4-5 (20131031)	ASB-0705E_10.5-11.5 (20131031)
Depth Interval	Unit	SRV	SRV		8 - 10	10 - 11	4-6	1-3	4-5	10.5-11.5
Sample Date					10/28/2013	10/28/2013	10/25/2013	10/30/2013	10/31/2013	10/31/2013
Methylene chloride	mg/kg	97	158	NA	**0.15 J**	< 0.33	NA	< 0.31	< 1	< 0.39
Naphthalene	mg/kg	10	28	NA	< 0.32	< 0.33	NA	**0.015 J**	**0.8 J**	< 0.39
n-Propylbenzene	mg/kg	30	93	NA	< 0.32	< 0.33	NA	< 0.31	**1**	< 0.39
p-Isopropyltoluene	mg/kg	NS	NS	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
sec-Butylbenzene	mg/kg	25	70	NA	< 0.32	< 0.33	NA	< 0.31	**1.9**	< 0.39
Styrene	mg/kg	210	600	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Tert-butylbenzene	mg/kg	30	90	NA	< 0.32	**0.028 J**	NA	< 0.31	**0.29 J**	< 0.39
Tetrachloroethene	mg/kg	72	131	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Tetrahydrofuran	mg/kg	NS	NS	NA	< 1.3	< 1.3	NA	< 1.2	< 4.2	< 1.5
Toluene	mg/kg	107	305	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Trichloroethene	mg/kg	29	46	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Vinyl chloride	mg/kg	0.8	2.2	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
m-Xylene & p-Xylene*	mg/kg	NS	NS	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Xylene, -o*	mg/kg	NS	NS	NA	< 0.32	< 0.33	NA	< 0.31	< 1	< 0.39
Total Xylenes*	mg/kg	45	130	NA	ND	ND	NA	ND	ND	ND
SVOCs										
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
2,4-Dichlorophenol	mg/kg	48	230	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
2,4-Dimethylphenol	mg/kg	390	1925	NA	< 0.39	**0.043 J**	NA	< 0.38	< 1	< 0.45
2,4-Dinitrophenol	mg/kg	NS	NS	NA	< 1.9	< 2	NA	< 1.8	< 4.9	< 2.2
2,4-Dinitrotoluene	mg/kg	50	355	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
2,6-Dinitrotoluene	mg/kg	25	175	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
2-Chloronaphthalene	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
2-Chlorophenol	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
2-Methylnaphthalene	mg/kg	100	369	NA	< 0.39	< 0.4	NA	**0.014 J**	**0.26 J**	< 0.45
2-Methylphenol	mg/kg	75	352	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
2-Nitroaniline	mg/kg	NS	NS	NA	< 1.9	< 2	NA	< 1.8	< 4.9	< 2.2
2-Nitrophenol	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
3,3-Dichlorobenzidine	mg/kg	25	50	NA	< 1.9	< 2	NA	< 1.8	< 4.9	< 2.2
3-Nitroaniline	mg/kg	NS	NS	NA	< 1.9	< 2	NA	< 1.8	< 4.9	< 2.2
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	< 1.9	< 2	NA	< 1.8	< 4.9	< 2.2
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
4-Chloroaniline	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
4-Nitroaniline	mg/kg	NS	NS	NA	< 1.9	< 2	NA	< 1.8	< 4.9	< 2.2
4-Nitrophenol	mg/kg	NS	NS	NA	< 1.9	< 2	NA	< 1.8	< 4.9	< 2.2
Acenaphthene	mg/kg	1200	5260	NA	< 0.39	< 0.4	NA	**0.0091 J**	**0.046 J**	< 0.45
Acenaphthylene	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	**0.086 J**	**0.018 J**	< 0.45
Acetophenone	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	**0.012 J**	< 1	< 0.45
Anthracene	mg/kg	7880	45400	NA	< 0.39	< 0.4	NA	**0.032 J**	**0.13 J**	< 0.45
Atrazine	mg/kg	NS	NS	NA	< 0.39 J	< 0.4 J	NA	< 0.38	< 1	< 0.45
Benzaldehyde	mg/kg	NS	NS	NA	< 0.39 J	< 0.4 J	NA	**0.035 J**	< 1 J	< 0.45 J
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	**0.11 J**	**0.081 J**	< 0.45
Benzo(a)anthracene	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	**0.098 J**	**0.21 J**	< 0.45
Benzo(a)pyrene	mg/kg	2	3	NA	< 0.39	< 0.4	NA	**0.13 J**	**0.17 J**	< 0.45
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	**0.0078 J**	**0.0059 J**	NA	**0.18 J**	**0.23 J**	< 0.45
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	**0.076 J**	**0.072 J**	< 0.45
Biphenyl	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	< 0.39	< 0.4	NA	**0.024 J**	< 1	< 0.45
Butyl benzyl phthalate	mg/kg	580	3700	NA	**0.014 J**	< 0.4	NA	< 0.38	< 1	< 0.45

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0407W	ASB-0407W	ASB-0702S	ASB-0705E	ASB-0705E	ASB-0705E
Sample ID		Residential	Industrial	Criteria	ASB-0407W-8-10(20131028)	ASB-0407W-10-11(20131028)	ASB-0702S_4-6(20131025)	ASB-0705E_1-3 (20131030)	ASB-0705E_4-5 (20131031)	ASB-0705E_10.5-11.5 (20131031)
Depth Interval	Unit	SRV	SRV		8 - 10	10 - 11	4-6	1-3	4-5	10.5-11.5
Sample Date					10/28/2013	10/28/2013	10/25/2013	10/30/2013	10/31/2013	10/31/2013
Caprolactam	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
Carbazole	mg/kg	700	1310	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
Chrysene	mg/kg	NS	NS	NA	**0.007 J**	< 0.4	NA	**0.1 J**	**0.21 J**	< 0.45
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
Dibenzofuran	mg/kg	104	810	NA	< 0.39	< 0.4	NA	**0.0075 J**	**0.054 J**	< 0.45
Dibutyl phthalate	mg/kg	2440	16300	NA	< 0.39	< 0.4	NA	**0.1 J**	**0.086 J**	< 0.45
Diethyl phthalate	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
Dimethyl phthalate	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
di-n-Octyl phthalate	mg/kg	520	3700	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
Fluoranthene	mg/kg	1080	6800	NA	**0.009 J**	**0.015 J**	NA	**0.12 J**	**0.48 J**	< 0.45
Fluorene	mg/kg	850	4120	NA	< 0.39	< 0.4	NA	< 0.38	**0.1 J**	< 0.45
Hexachlorobenzene	mg/kg	5	9	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
Hexachlorocyclopentadiene	mg/kg	2	6	NA	< 1.9	< 2	NA	< 1.8	< 4.9	< 2.2
Hexachloroethane	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	**0.089 J**	**0.073 J**	< 0.45
Isophorone	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	< 0.48	< 0.49	NA	< 0.46	< 1.2	< 0.55
Naphthalene	mg/kg	10	28	NA	**0.011 J**	**0.011 J**	NA	**0.026 J**	**0.56 J**	< 0.45
Nitrobenzene	mg/kg	NS	NS	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
Pentachlorophenol	mg/kg	80	120	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
Phenanthrene	mg/kg	NS	NS	NA	**0.006 J**	**0.0063 J**	NA	**0.059 J**	**0.53 J**	< 0.45
Phenol	mg/kg	1500	20203	NA	< 0.39	< 0.4	NA	< 0.38	< 1	< 0.45
Pyrene	mg/kg	890	5800	NA	**0.0074 J**	**0.018 J**	NA	**0.12 J**	**0.4 J**	< 0.45
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0.00085 J**	**0.00059 J**	NA	**0.1753 J**	**0.2306 J**	ND
Metals										
Aluminum	mg/kg	30000	100000	NA	**5700**	**7400**	**3400**	**1800**	**6300**	**10000**
Antimony	mg/kg	12	100	NA	< 0.95	< 1.2	**1.8**	**0.68 J**	**10**	< 1.2
Arsenic	mg/kg	9	20	NA	**3.3**	**3.5**	**440**	**2.4**	**28**	**2.9**
Barium	mg/kg	1100	18000	NA	**39**	**80**	**190**	**21**	**740**	**36**
Beryllium	mg/kg	55	230	NA	**0.29 J**	**0.39 J**	**0.2 J**	**0.11 J**	**0.49 J**	**0.51 J**
Cadmium	mg/kg	25	200	NA	**0.036 J**	**0.19 J**	**0.88**	**0.16 J**	**25**	< 0.24
Calcium	mg/kg	NS	NS	NA	**12000**	**49000**	**17000**	**15000**	**8500**	**4500**
Chromium**	mg/kg	NS	NS	NA	**14**	**11**	**16**	**6.7**	**19**	**20**
Cobalt	mg/kg	600	2600	NA	**7.8**	**12**	**4.5**	**2.7 J**	**9.2**	**6.9**
Copper	mg/kg	100	9000	NA	**15**	**11**	**41**	**8.1**	**72**	**11**
Iron	mg/kg	9000	75000	NA	**13000**	**13000**	**8800**	**6100**	**15000**	**16000**
Lead	mg/kg	300	700	NA	**3.6**	**5.9**	**300**	**17**	**950**	**8.9**
Magnesium	mg/kg	NS	NS	NA	**4900**	**4000**	**6900**	**4100**	**3600**	**3100**
Manganese	mg/kg	3600	8100	NA	**310**	**900**	**160**	**140**	**570**	**37**
Mercury	mg/kg	0.5	1.5	NA	< 0.12	< 0.13	**0.16**	< 0.12	**0.36**	< 0.13
Nickel	mg/kg	560	2500	NA	**19**	**19**	**13**	**7.7**	**23**	**13**
Potassium	mg/kg	NS	NS	NA	**1300**	**490 J**	**880**	**250 J**	**1300**	**4600**
Selenium	mg/kg	160	1300	NA	< 0.47	< 0.59	**0.63**	< 0.53	< 0.53	**1.1**
Silver	mg/kg	160	1300	NA	< 0.47	< 0.59	< 0.45	< 0.53	< 0.53	< 0.61
Sodium	mg/kg	NS	NS	NA	**78 J**	**93 J**	**290 J**	< 530	**100 J**	**300 J**
Thallium	mg/kg	3	21	NA	< 0.95	< 1.2	< 0.91	< 1.1	< 1.1	< 1.2
Vanadium	mg/kg	30	250	NA	**18**	**19**	**11**	**11**	**15**	**9.6**
Zinc	mg/kg	8700	75000	NA	**23**	**25**	**300**	**22**	**560**	**13**
Metals-TCLP										
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA
PCBs										
Aroclor 1016	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0407W	ASB-0407W	ASB-0702S	ASB-0705E	ASB-0705E	ASB-0705E
Sample ID		Residential	Industrial	Criteria	ASB-0407W-8-10(20131028)	ASB-0407W-10-11(20131028)	ASB-0702S_4-6(20131025)	ASB-0705E_1-3 (20131030)	ASB-0705E_4-5 (20131031)	ASB-0705E_10.5-11.5 (20131031)
Depth Interval	Unit	SRV	SRV		8 - 10	10 - 11	4-6	1-3	4-5	10.5-11.5
Sample Date					10/28/2013	10/28/2013	10/25/2013	10/30/2013	10/31/2013	10/31/2013
Aroclor 1248	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA
Other										
Gasoline Range Organics	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Cyanide	mg/kg	60	5000	NA	NA	NA	NA	NA	NA	NA

Notes:

mg/kg	Milligrams per kilogram
mg/l	Milligrams per liter
<	Not detected
ASB	ARCADIS Soil Boring
NA	Not applicable/not analyzed
ND	Not detected
NS	No standard
J	Estimated result
Bold	Detected value
Shade	Result value is above the MPCA Tier 1 Residential SRV
Box	Result value is above the MCPA Tier 2 Industrial SRV
VOCs	Volatile organic compounds
SVOCs	Semi-volatile compounds
PCBs	Polychlorinated biphenyls
SRV	Soil reference value
TCLP	Toxicity characteristic leaching procedure
MPCA	Minnesota Pollution Control Agency
*	Criteria for total xylenes used
**	SRVs are for Chromium VI and Chromium III respectively, reported data is for total chromium and is therefore compared to the lower of the SRVs
***	Reporting limit exceeds standard

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0705N	ASB-0705N	ASB-0705N	ASB-0706W	ASB-0706W	ASB-0707E	ASB-0707N
Sample ID		Residential	Industrial	Criteria	ASB-0705N_1-3 (20131030)	ASB-0705N_8-9 (20131030)	ASB-0705N_10-12 (20131030)	ASB-0706W_1-3(20131101)	ASB-0706W_10-12(20131101)	ASB-0707E_4-6(20131030)	ASB-0707N_3-4(20131029)
Depth Interval	Unit	SRV	SRV		1-3	8-9	10-12	1-3	10-12	4-6	3-4
Sample Date					10/30/2013	10/30/2013	10/30/2013	11/1/2013	11/1/2013	10/30/2013	10/29/2013
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
1,1-Dichloroethane	mg/kg	34	55	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
1,1-Dichloroethene	mg/kg	20	60	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	**0.011 J**	**20**	**47**	**0.082 J**	< 0.64	< 0.28	< 0.61
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.5	< 2.3	< 4.4	< 0.57	< 1.3	< 0.55	< 1.2
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
1,2-Dichloroethane	mg/kg	4	6	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
1,2-Dichloropropane	mg/kg	4	6	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	< 0.25	< 1.1	< 2.2	**0.027 J**	< 0.64	< 0.28	< 0.61
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
1.3-Dichloropropane	mg/kg	NS	NS	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 1	< 4.6	< 8.8	**0.056 J**	< 2.5	< 1.1	< 2.4
2-Chlorotoluene	mg/kg	436	436	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
2-Hexanone	mg/kg	NS	NS	NA	< 1	< 4.6	< 8.8	< 1.1	< 2.5	< 1.1	< 2.4
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Acetone	mg/kg	340	1000	NA	< 1	< 4.6	< 8.8	< 1.1	< 2.5	< 1.1	< 2.4
Allyl chloride	mg/kg	NS	NS	NA	< 0.5	< 2.3	< 4.4	< 0.57	< 1.3	< 0.55	< 1.2
Benzene	mg/kg	6	10	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	**0.024 J**	< 0.61
Bromobenzene	mg/kg	NS	NS	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Bromochloromethane	mg/kg	NS	NS	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Bromodichloromethane	mg/kg	10	17	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Bromoform	mg/kg	370	650	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Bromomethane	mg/kg	0.7	2	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Butylbenzene	mg/kg	30	92	NA	< 0.25	**1.1**	**1.8 J**	**0.019 J**	< 0.64	< 0.28	< 0.61
Carbon disulfide	mg/kg	65	190	NA	< 0.25	< 1.1	< 2.2	< 0.29	**0.8**	**0.021 J**	< 0.61
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Chlorobenzene	mg/kg	11	32	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Chlorodibromomethane	mg/kg	12	20	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Chloroethane	mg/kg	1000	3000	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Chloroform	mg/kg	2.5	4	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Chloromethane	mg/kg	8	23	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Cyclohexane	mg/kg	NS	NS	NA	< 0.5	**1.4 J**	**3.7 J**	**0.054 J**	< 1.3	**0.074 J**	< 1.2
Dibromomethane	mg/kg	260	1860	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.5	< 2.3	< 4.4	< 0.57	< 1.3	< 0.55	< 1.2
Diethyl ether	mg/kg	NS	NS	NA	< 0.5	< 2.3	< 4.4	< 0.57	< 1.3	< 0.55	< 1.2
Ethylbenzene	mg/kg	200	200	NA	< 0.25	**0.17 J**	**3.6**	**0.019 J**	< 0.64	**0.014 J**	< 0.61
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Isopropylbenzene	mg/kg	30	87	NA	< 0.25	**2.2**	**3.7**	< 0.29	**0.65**	**0.26 J**	**0.19 J**
Methyl acetate	mg/kg	NS	NS	NA	**0.11 J**	**0.44 J**	< 4.4	< 0.57	**0.19 J**	< 1.4	< 1.3
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 1	< 4.6	< 8.8	< 1.1	< 2.5	< 1.1	< 2.4
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Methylcyclohexane	mg/kg	NS	NS	NA	< 0.5	**7.5**	**18**	**0.093 J**	< 1.3	**1.2**	**0.3 J**

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0705N	ASB-0705N	ASB-0705N	ASB-0706W	ASB-0706W	ASB-0707E	ASB-0707N
Sample ID		Residential	Industrial	Criteria	ASB-0705N_1-3 (20131030)	ASB-0705N_8-9 (20131030)	ASB-0705N_10-12 (20131030)	ASB-0706W_1-3(20131101)	ASB-0706W_10-12(20131101)	ASB-0707E_4-6(20131030)	ASB-0707N_3-4(20131029)
Depth Interval	Unit	SRV	SRV		1-3	8-9	10-12	1-3	10-12	4-6	3-4
Sample Date					10/30/2013	10/30/2013	10/30/2013	11/1/2013	11/1/2013	10/30/2013	10/29/2013
Methylene chloride	mg/kg	97	158	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Naphthalene	mg/kg	10	28	NA	< 0.25	**2.5**	**3.5**	**0.14 J**	< 0.64	**0.47**	< 0.61
n-Propylbenzene	mg/kg	30	93	NA	< 0.25	**3**	**4.3**	**0.019 J**	**0.67**	< 0.28	< 0.61
p-Isopropyltoluene	mg/kg	NS	NS	NA	< 0.25	**1.4**	**2.3**	**0.011 J**	< 0.64	< 0.28	< 0.61
sec-Butylbenzene	mg/kg	25	70	NA	< 0.25	**2.8**	**3.8**	< 0.29	**2.8**	**0.7**	**0.39 J**
Styrene	mg/kg	210	600	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Tert-butylbenzene	mg/kg	30	90	NA	< 0.25	< 1.1	< 2.2	< 0.29	**0.38 J**	< 0.28	< 0.61
Tetrachloroethene	mg/kg	72	131	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Tetrahydrofuran	mg/kg	NS	NS	NA	< 1	< 4.6	< 8.8	< 1.1	< 2.5	< 1.1	< 2.4
Toluene	mg/kg	107	305	NA	< 0.25	< 1.1	< 2.2	**0.056 J**	< 0.64	**0.23 J**	< 0.61
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Trichloroethene	mg/kg	29	46	NA	< 0.25	< 1.1	< 2.2	**0.013 J**	< 0.64	< 0.28	< 0.61
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
Vinyl chloride	mg/kg	0.8	2.2	NA	< 0.25	< 1.1	< 2.2	< 0.29	< 0.64	< 0.28	< 0.61
m-Xylene & p-Xylene*	mg/kg	NS	NS	NA	< 0.25	**0.16 J**	< 2.2	**0.099 J**	< 0.64	**0.088 J**	< 0.61
Xylene, -o*	mg/kg	NS	NS	NA	< 0.25	< 1.1	< 2.2	**0.035 J**	< 0.64	< 0.28	< 0.61
Total Xylenes*	mg/kg	45	130	NA	ND	**0.16 J**	ND	**0.134 J**	ND	**0.088 J**	ND
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
2,4-Dichlorophenol	mg/kg	48	230	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
2,4-Dimethylphenol	mg/kg	390	1925	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
2,4-Dinitrophenol	mg/kg	NS	NS	NA	< 1.7	< 2.2	< 4.2	< 3.6	< 8	< 9.4	< 2
2,4-Dinitrotoluene	mg/kg	50	355	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
2,6-Dinitrotoluene	mg/kg	25	175	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
2-Chloronaphthalene	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
2-Chlorophenol	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
2-Methylnaphthalene	mg/kg	100	369	NA	< 0.35	**0.14 J**	**0.18 J**	**0.15 J**	< 1.7	**1.4 J**	**0.013 J**
2-Methylphenol	mg/kg	75	352	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
2-Nitroaniline	mg/kg	NS	NS	NA	< 1.7	< 2.2	< 4.2	< 3.6	< 8	< 9.4	< 2
2-Nitrophenol	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
3,3-Dichlorobenzidine	mg/kg	25	50	NA	< 1.7	< 2.2	< 4.2	< 3.6	< 8	< 9.4	< 2
3-Nitroaniline	mg/kg	NS	NS	NA	< 1.7	< 2.2	< 4.2	< 3.6	< 8	< 9.4	< 2
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	< 1.7	< 2.2	< 4.2	< 3.6	< 8	< 9.4	< 2
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
4-Chloroaniline	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
4-Nitroaniline	mg/kg	NS	NS	NA	< 1.7	< 2.2	< 4.2	< 3.6	< 8	< 9.4	< 2
4-Nitrophenol	mg/kg	NS	NS	NA	< 1.7	< 2.2	< 4.2	< 3.6	< 8	< 9.4	< 2
Acenaphthene	mg/kg	1200	5260	NA	< 0.35	**0.015 J**	< 0.87	**0.038 J**	< 1.7	**0.57 J**	< 0.42
Acenaphthylene	mg/kg	NS	NS	NA	**0.0063 J**	< 0.45	< 0.87	**0.027 J**	< 1.7	**0.12 J**	< 0.42
Acetophenone	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	**0.054 J**	< 1.7	< 1.9	< 0.42
Anthracene	mg/kg	7880	45400	NA	**0.013 J**	**0.041 J**	< 0.87	**0.12 J**	< 1.7	**0.77 J**	**0.0076 J**
Atrazine	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
Benzaldehyde	mg/kg	NS	NS	NA	< 0.35 J	< 0.45 J	< 0.87 J	< 0.75 J	< 1.7 J	< 1.9 J	< 0.42 J
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	**0.089 J**	**0.024 J**	< 0.87	**0.18 J**	< 1.7	**1.2 J**	**0.0074 J**
Benzo(a)anthracene	mg/kg	NS	NS	NA	**0.057 J**	**0.061 J**	< 0.87	**0.64 J**	< 1.7	**2.1**	**0.014 J**
Benzo(a)pyrene	mg/kg	2	3	NA	**0.081 J**	**0.047 J**	< 0.87	**0.61 J**	< 1.7	**1.9**	**0.01 J**
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	**0.12 J**	**0.064 J**	< 0.87	**1**	< 1.7	**2.9**	**0.014 J**
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	**0.051 J**	**0.024 J**	< 0.87	**0.42 J**	< 1.7	**0.85 J**	**0.0081 J**
Biphenyl	mg/kg	NS	NS	NA	< 0.35	**0.01 J**	< 0.87	**0.02 J**	< 1.7	< 1.9	< 0.42
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
Butyl benzyl phthalate	mg/kg	580	3700	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0705N	ASB-0705N	ASB-0705N	ASB-0706W	ASB-0706W	ASB-0707E	ASB-0707N
Sample ID		Residential	Industrial	Criteria	ASB-0705N_1-3 (20131030)	ASB-0705N_8-9 (20131030)	ASB-0705N_10-12 (20131030)	ASB-0706W_1-3(20131101)	ASB-0706W_10-12(20131101)	ASB-0707E_4-6(20131030)	ASB-0707N_3-4(20131029)
Depth Interval	Unit	SRV	SRV		1-3	8-9	10-12	1-3	10-12	4-6	3-4
Sample Date					10/30/2013	10/30/2013	10/30/2013	11/1/2013	11/1/2013	10/30/2013	10/29/2013
Caprolactam	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
Carbazole	mg/kg	700	1310	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	**0.52 J**	< 0.42
Chrysene	mg/kg	NS	NS	NA	**0.06 J**	**0.063 J**	< 0.87	**0.68 J**	< 1.7	**2.2**	**0.02 J**
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	**0.35 J**	< 0.42
Dibenzofuran	mg/kg	104	810	NA	< 0.35	**0.02 J**	< 0.87	**0.051 J**	< 1.7	**0.44 J**	< 0.42
Dibutyl phthalate	mg/kg	2440	16300	NA	**0.039 J**	< 0.45	< 0.87	**0.047 J**	< 1.7	**0.63 J**	**0.13 J**
Diethyl phthalate	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	**0.29 J**	< 0.42
Dimethyl phthalate	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
di-n-Octyl phthalate	mg/kg	520	3700	NA	**0.014 J**	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
Fluoranthene	mg/kg	1080	6800	NA	**0.076 J**	**0.14 J**	**0.018 J**	**1.1**	**0.039 J**	**4.4**	**0.032 J**
Fluorene	mg/kg	850	4120	NA	< 0.35	**0.03 J**	< 0.87	**0.036 J**	< 1.7	**0.76 J**	**0.0085 J**
Hexachlorobenzene	mg/kg	5	9	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
Hexachlorocyclopentadiene	mg/kg	2	6	NA	< 1.7	< 2.2	< 4.2	< 3.6	< 8	< 9.4	< 2
Hexachloroethane	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	**0.059 J**	**0.017 J**	< 0.87	**0.19 J**	< 1.7	**1.1 J**	**0.0053 J**
Isophorone	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	< 0.43	< 0.55	< 1	< 0.9	< 2	< 2.3	< 0.51
Naphthalene	mg/kg	10	28	NA	**0.0052 J**	**0.26 J**	**2.4**	**0.21 J**	< 1.7	**1.7 J**	**0.021 J**
Nitrobenzene	mg/kg	NS	NS	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
Pentachlorophenol	mg/kg	80	120	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
Phenanthrene	mg/kg	NS	NS	NA	**0.025 J**	**0.16 J**	< 0.87	**0.54 J**	< 1.7	**3.3**	**0.018 J**
Phenol	mg/kg	1500	20203	NA	< 0.35	< 0.45	< 0.87	< 0.75	< 1.7	< 1.9	< 0.42
Pyrene	mg/kg	890	5800	NA	**0.078 J**	**0.12 J**	**0.015 J**	**1**	**0.042 J**	**4.5**	**0.049 J**
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0.1103 J**	**0.06423 J**	ND	**0.8418 J**	ND	**2.813 J**	**0.01434 J**
Metals											
Aluminum	mg/kg	30000	100000	NA	**2100**	**15000**	**10000**	**3900**	**9600**	**5800**	**6300**
Antimony	mg/kg	12	100	NA	**0.53 J**	**0.5 J**	< 1.1	**68**	**0.64 J**	**3.6**	< 1.2
Arsenic	mg/kg	9	20	NA	**1.8**	**7.3**	**10**	**15**	**30**	**58**	**22**
Barium	mg/kg	1100	18000	NA	**36**	**150**	**120**	**420**	**97**	**820**	**180**
Beryllium	mg/kg	55	230	NA	**0.15 J**	**0.85**	**0.57**	< 0.49	< 0.56	**0.35 J**	**0.46 J**
Cadmium	mg/kg	25	200	NA	**0.08 J**	**0.33**	**0.93**	**1.8**	**0.26**	**1.3**	**0.62**
Calcium	mg/kg	NS	NS	NA	**14000**	**7000**	**5200**	**29000**	**48000**	**12000**	**21000**
Chromium**	mg/kg	NS	NS	NA	**5.5**	**21**	**18**	**21**	**21**	**29**	**16**
Cobalt	mg/kg	600	2600	NA	**2.8 J**	**15**	**36**	**6.4**	**15**	**7.1**	**13**
Copper	mg/kg	100	9000	NA	**6.7**	**17**	**16**	**65**	**31**	**270**	**14**
Iron	mg/kg	9000	75000	NA	**6000**	**20000**	**39000**	**17000**	**30000**	**35000**	**14000**
Lead	mg/kg	300	700	NA	**23**	**7.1**	**7.5**	**820**	**6.3**	**680**	**74**
Magnesium	mg/kg	NS	NS	NA	**3900**	**4100**	**2800**	**6500**	**5100**	**4200**	**3000**
Manganese	mg/kg	3600	8100	NA	**150**	**1100**	**1500**	**350**	**510**	**400**	**160**
Mercury	mg/kg	0.5	1.5	NA	< 0.11	**0.018 J**	**0.031 J**	**0.19**	< 0.13	**2**	< 0.12
Nickel	mg/kg	560	2500	NA	**6.6**	**26**	**58**	**13**	**27**	**25**	**24**
Potassium	mg/kg	NS	NS	NA	**510**	**2600**	**1400**	**750**	**1000**	**2200**	**3700**
Selenium	mg/kg	160	1300	NA	< 0.42	**0.58 J**	**0.47 J**	**0.68**	< 0.56	< 0.56	< 0.59
Silver	mg/kg	160	1300	NA	< 0.42	< 0.63	< 0.53	**0.44 J**	< 0.56	**0.11 J**	< 0.59
Sodium	mg/kg	NS	NS	NA	**79 J**	**330 J**	**210 J**	**200 J**	**140 J**	**240 J**	**170 J**
Thallium	mg/kg	3	21	NA	< 0.84	< 1.3	< 1.1	**0.68 J**	**1.4**	< 1.1	< 1.2
Vanadium	mg/kg	30	250	NA	**9.3**	**23**	**25**	**13**	**81**	**13**	**7**
Zinc	mg/kg	8700	75000	NA	**20**	**72**	**54**	**550**	**45**	**730**	**94**
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID			Tier 1	Tier 2	TCLP	ASB-0705N	ASB-0705N	ASB-0705N	ASB-0706W	ASB-0706W	ASB-0707E	ASB-0707N
Sample ID			**Residential**	**Industrial**	**Criteria**	**ASB-0705N_1-3 (20131030)**	**ASB-0705N_8-9 (20131030)**	**ASB-0705N_10-12 (20131030)**	**ASB-0706W_1-3(20131101)**	**ASB-0706W_10-12(20131101)**	**ASB-0707E_4-6(20131030)**	**ASB-0707N_3-4(20131029)**
Depth Interval		**Unit**	**SRV**	**SRV**		**1-3**	**8-9**	**10-12**	**1-3**	**10-12**	**4-6**	**3-4**
Sample Date						**10/30/2013**	**10/30/2013**	**10/30/2013**	**11/1/2013**	**11/1/2013**	**10/30/2013**	**10/29/2013**
Aroclor 1248		mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254		mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260		mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Other												
Gasoline Range Organics		mg/kg	NS	NS	NA	< 11	**1600**	**420**	**6.1 J**	**1700**	NA	NA
Diesel Range Organics		mg/kg	NS	NS	NA	< 9.3	**120**	**69**	**31**	**40**	NA	NA
Cyanide		mg/kg	60	5000	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

mg/kg	Milligrams per kilogram
mg/l	Milligrams per liter
<	Not detected
ASB	ARCADIS Soil Boring
NA	Not applicable/not analyzed
ND	Not detected
NS	No standard
J	Estimated result
Bold	Detected value
Shade	Result value is above the MPCA Tier 1 Residential SRV
Box	Result value is above the MCPA Tier 2 Industrial SRV
VOCs	Volatile organic compounds
SVOCs	Semi-volatile compounds
PCBs	Polychlorinated biphenyls
SRV	Soil reference value
TCLP	Toxicity characteristic leaching procedure
MPCA	Minnesota Pollution Control Agency
*	Criteria for total xylenes used
**	SRVs are for Chromium VI and Chromium III respectively, reported data is for total chromium and is therefore compared to the lower of the SRVs
***	Reporting limit exceeds standard

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0707N	ASB-0707N	ASB-0707W	ASB-017	ASB-031
Sample ID		Residential	Industrial	Criteria	ASB-0707N_4-6(20131029)	ASB-0707N_10.5-11(20131029)	ASB-0707W_4-6(20131030)	ASB017_0-2(20070625)	ASB031_2-4(20070629)
Depth Interval	Unit	SRV	SRV		4-6	10.5-11	4-6	0-2	2-4
Sample Date					10/29/2013	10/29/2013	10/30/2013	6/25/2007	6/29/2007
VOCs									
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
1,1-Dichloroethane	mg/kg	34	55	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
1,1-Dichloroethene	mg/kg	20	60	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	**0.1 J**	**0.016 J**	**320**	< 0.25 J	< 0.26
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 3.1	< 0.58	< 33	< 0.5 J	< 0.52
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
1,2-Dichloroethane	mg/kg	4	6	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
1,2-Dichloropropane	mg/kg	4	6	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	< 1.5	< 0.29	**220**	< 0.25 J	< 0.26
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
1.3-Dichloropropane	mg/kg	NS	NS	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 6.2	< 1.2	< 66	< 1 J	< 1
2-Chlorotoluene	mg/kg	436	436	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
2-Hexanone	mg/kg	NS	NS	NA	< 6.2	< 1.2	< 66	< 1 J	< 1
4-Chlorotoluene	mg/kg	NS	NS	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Acetone	mg/kg	340	1000	NA	< 6.2	< 1.2	< 66	< 1 J	**0.11 J**
Allyl chloride	mg/kg	NS	NS	NA	< 3.1	< 0.58	< 33	< 0.5 J	< 0.52
Benzene	mg/kg	6	10	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Bromobenzene	mg/kg	NS	NS	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Bromochloromethane	mg/kg	NS	NS	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Bromodichloromethane	mg/kg	10	17	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Bromoform	mg/kg	370	650	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Bromomethane	mg/kg	0.7	2	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Butylbenzene	mg/kg	30	92	NA	**2.4**	**0.22 J**	**55**	< 0.25 J	< 0.26
Carbon disulfide	mg/kg	65	190	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Chlorobenzene	mg/kg	11	32	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Chlorodibromomethane	mg/kg	12	20	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Chloroethane	mg/kg	1000	3000	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Chloroform	mg/kg	2.5	4	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Chloromethane	mg/kg	8	23	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Cyclohexane	mg/kg	NS	NS	NA	< 3.1	**0.47 J**	< 33	< 0.5 J	< 0.52
Dibromomethane	mg/kg	260	1860	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 3.1	< 0.58	< 33	< 0.5 J	< 0.52
Diethyl ether	mg/kg	NS	NS	NA	< 3.1	< 0.58	**1.3 J**	< 0.5 J	< 0.52
Ethylbenzene	mg/kg	200	200	NA	< 1.5	< 0.29	**1.6 J**	< 0.25 J	< 0.26
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Hexachlorobutadiene	mg/kg	6	37	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Isopropylbenzene	mg/kg	30	87	NA	**0.61 J**	**0.12 J**	**2.3 J**	< 0.25 J	< 0.26
Methyl acetate	mg/kg	NS	NS	NA	< 3.1	< 1.3	< 33	**0.28 J**	**1.4**
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 6.2	< 1.2	< 66	< 1 J	< 1
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 1.5	< 0.29	< 17	< 1 J	< 1
Methylcyclohexane	mg/kg	NS	NS	NA	**0.96 J**	**0.71**	**7.9 J**	< 0.5 J	< 0.52

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0707N	ASB-0707N	ASB-0707W	ASB-017	ASB-031
Sample ID		Residential	Industrial	Criteria	ASB-0707N_4-6(20131029)	ASB-0707N_10.5-11(20131029)	ASB-0707W_4-6(20131030)	ASB017_0-2(20070625)	ASB031_2-4(20070629)
Depth Interval	Unit	SRV	SRV		4-6	10.5-11	4-6	0-2	2-4
Sample Date					10/29/2013	10/29/2013	10/30/2013	6/25/2007	6/29/2007
Methylene chloride	mg/kg	97	158	NA	< 1.5	< 0.29	< 17	< 0.25	< 0.26
Naphthalene	mg/kg	10	28	NA	**0.63 J**	< 0.29	**450**	< 0.25 J	< 0.26
n-Propylbenzene	mg/kg	30	93	NA	**0.96 J**	**0.15 J**	**2.3 J**	< 0.25 J	< 0.26
p-Isopropyltoluene	mg/kg	NS	NS	NA	< 1.5	< 0.29	**38**	< 0.25 J	< 0.26
sec-Butylbenzene	mg/kg	25	70	NA	**2.1**	**0.37**	**11 J**	< 0.25 J	< 0.26
Styrene	mg/kg	210	600	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Tert-butylbenzene	mg/kg	30	90	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Tetrachloroethene	mg/kg	72	131	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Tetrahydrofuran	mg/kg	NS	NS	NA	< 6.2	< 1.2	< 66	< 1 J	< 1
Toluene	mg/kg	107	305	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Trichloroethene	mg/kg	29	46	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
Vinyl chloride	mg/kg	0.8	2.2	NA	< 1.5	< 0.29	< 17	< 0.25 J	< 0.26
m-Xylene & p-Xylene*	mg/kg	NS	NS	NA	< 1.5	< 0.29	**47**	**0.16 J**	< 0.52
Xylene, -o*	mg/kg	NS	NS	NA	< 1.5	< 0.29	**9.8 J**	< 0.25 J	< 0.26
Total Xylenes*	mg/kg	45	130	NA	ND	ND	**56.8 J**	NA	NA
SVOCs									
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
2,4-Dichlorophenol	mg/kg	48	230	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
2,4-Dimethylphenol	mg/kg	390	1925	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
2,4-Dinitrophenol	mg/kg	NS	NS	NA	< 2	< 1.9	< 880	**33 J**	< 1.7 J
2,4-Dinitrotoluene	mg/kg	50	355	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
2,6-Dinitrotoluene	mg/kg	25	175	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
2-Chloronaphthalene	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
2-Chlorophenol	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
2-Methylnaphthalene	mg/kg	100	369	NA	**0.21 J**	**0.014 J**	**30 J**	< 86	< 0.34 J
2-Methylphenol	mg/kg	75	352	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
2-Nitroaniline	mg/kg	NS	NS	NA	< 2	< 1.9	< 880	< 420	< 1.7 J
2-Nitrophenol	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	**6 J**	< 0.34 J
3,3-Dichlorobenzidine	mg/kg	25	50	NA	< 2	< 1.9	< 880	< 420	< 1.7 J
3-Nitroaniline	mg/kg	NS	NS	NA	< 2	< 1.9	< 880	< 420	< 1.7 J
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	< 2	< 1.9	< 880	< 420	< 1.7 J
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
4-Chloroaniline	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
4-Nitroaniline	mg/kg	NS	NS	NA	< 2	< 1.9	< 880	< 420	< 1.7 J
4-Nitrophenol	mg/kg	NS	NS	NA	< 2	< 1.9	< 880	**7.7 J**	< 1.7 J
Acenaphthene	mg/kg	1200	5260	NA	**0.0069 J**	**0.0065 J**	< 180	< 86	< 0.34 J
Acenaphthylene	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
Acetophenone	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
Anthracene	mg/kg	7880	45400	NA	**0.0073 J**	**0.0029 J**	< 180	< 86	< 0.34 J
Atrazine	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
Benzaldehyde	mg/kg	NS	NS	NA	< 0.41 J	< 0.39 J	< 180 J	**4.8 J**	< 0.34 J
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
Benzo(a)anthracene	mg/kg	NS	NS	NA	**0.02 J**	**0.0076 J**	< 180	< 86	< 0.34 J
Benzo(a)pyrene	mg/kg	2	3	NA	**0.011 J**	< 0.39	< 180	**2.9 J**	< 0.34 J
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	**0.019 J**	**0.0062 J**	< 180	**2.4 J**	< 0.34 J
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	**2.1 J**	< 0.34 J
Biphenyl	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	**0.029 J**	< 0.39	< 180	< 86	< 0.34
Butyl benzyl phthalate	mg/kg	580	3700	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

Location ID		Tier 1	Tier 2	TCLP	ASB-0707N	ASB-0707N	ASB-0707W	ASB-017	ASB-031
Sample ID		Residential	Industrial	Criteria	ASB-0707N_4-6(20131029)	ASB-0707N_10.5-11(20131029)	ASB-0707W_4-6(20131030)	ASB017_0-2(20070625)	ASB031_2-4(20070629)
Depth Interval	Unit	SRV	SRV		4-6	10.5-11	4-6	0-2	2-4
Sample Date					10/29/2013	10/29/2013	10/30/2013	6/25/2007	6/29/2007
Caprolactam	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	**6.7 J**	< 0.34 J
Carbazole	mg/kg	700	1310	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
Chrysene	mg/kg	NS	NS	NA	**0.027 J**	**0.0097 J**	< 180	< 86	< 0.34 J
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	**3.3 J**	< 0.34 J
Dibenzofuran	mg/kg	104	810	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
Dibutyl phthalate	mg/kg	2440	16300	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
Diethyl phthalate	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
Dimethyl phthalate	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
di-n-Octyl phthalate	mg/kg	520	3700	NA	< 0.41	< 0.39	< 180	**8 J**	< 0.34 J
Fluoranthene	mg/kg	1080	6800	NA	**0.038 J**	**0.012 J**	**3.7 J**	< 86	< 0.34 J
Fluorene	mg/kg	850	4120	NA	**0.019 J**	< 0.39	< 180	< 86	< 0.34 J
Hexachlorobenzene	mg/kg	5	9	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
Hexachlorocyclopentadiene	mg/kg	2	6	NA	< 2	< 1.9	< 880	< 420	< 1.7 J
Hexachloroethane	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
Isophorone	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	**5.2 J**	< 0.34 J
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	< 0.5	< 0.48	< 220	< 86	< 0.34 J
Naphthalene	mg/kg	10	28	NA	**0.093 J**	< 0.39	**400**	< 86	< 0.34 J
Nitrobenzene	mg/kg	NS	NS	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
Pentachlorophenol	mg/kg	80	120	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
Phenanthrene	mg/kg	NS	NS	NA	**0.049 J**	**0.017 J**	**3.7 J**	< 86	< 0.34 J
Phenol	mg/kg	1500	20203	NA	< 0.41	< 0.39	< 180	< 86	< 0.34 J
Pyrene	mg/kg	890	5800	NA	**0.044 J**	**0.015 J**	**4.6 J**	< 86	< 0.34 J
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0.01517 J**	**0.001477 J**	ND	ND	ND
Metals									
Aluminum	mg/kg	30000	100000	NA	**7100**	**8000**	**5500**	NA	NA
Antimony	mg/kg	12	100	NA	< 1.1	< 1.1 J	**190**	NA	NA
Arsenic	mg/kg	9	20	NA	**23**	**12**	**62**	**3.4**	**1.6**
Barium	mg/kg	1100	18000	NA	**57**	**60**	**1200**	**42**	**24.5**
Beryllium	mg/kg	55	230	NA	**0.54 J**	**0.47 J**	**0.43 J**	NA	NA
Cadmium	mg/kg	25	200	NA	**0.19 J**	< 0.21	**15**	< 0.52	**0.082 J**
Calcium	mg/kg	NS	NS	NA	**15000**	**25000**	**59000**	NA	NA
Chromium**	mg/kg	NS	NS	NA	**14**	**17**	**37**	**11.2**	**8.6**
Cobalt	mg/kg	600	2600	NA	**13**	**17**	**15**	NA	NA
Copper	mg/kg	100	9000	NA	**24**	**9.9**	**78**	NA	NA
Iron	mg/kg	9000	75000	NA	**13000**	**15000**	**23000**	NA	NA
Lead	mg/kg	300	700	NA	**42**	**5.2 J**	**2100**	**6.6**	**35**
Magnesium	mg/kg	NS	NS	NA	**7900**	**3500**	**9700**	NA	NA
Manganese	mg/kg	3600	8100	NA	**250**	**160**	**380**	NA	NA
Mercury	mg/kg	0.5	1.5	NA	**0.024 J**	< 0.12	**0.39**	< 0.1	< 0.1
Nickel	mg/kg	560	2500	NA	**23**	**34**	**27**	NA	NA
Potassium	mg/kg	NS	NS	NA	**4000**	**3000**	**2800**	NA	NA
Selenium	mg/kg	160	1300	NA	< 0.55	< 0.53	**4.3**	< 0.52	< 0.52
Silver	mg/kg	160	1300	NA	< 0.55	< 0.53	**0.1 J**	< 1	< 1
Sodium	mg/kg	NS	NS	NA	**170 J**	**140 J**	**200 J**	NA	NA
Thallium	mg/kg	3	21	NA	< 1.1	< 1.1	< 0.96	NA	NA
Vanadium	mg/kg	30	250	NA	**6.7**	**11**	**9.3**	NA	NA
Zinc	mg/kg	8700	75000	NA	**82**	**19**	**630**	NA	NA
Metals-TCLP									
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA
PCBs									
Aroclor 1016	mg/kg	1.2	8	NA	NA	NA	NA	< 0.035	< 0.034
Aroclor 1221	mg/kg	1.2	8	NA	NA	NA	NA	< 0.035	< 0.034
Aroclor 1232	mg/kg	1.2	8	NA	NA	NA	NA	< 0.035	< 0.034
Aroclor 1242	mg/kg	1.2	8	NA	NA	NA	NA	< 0.035	< 0.034

Table 2. **Soil Analytical Data**
Twin Cities Assembly Plant, St. Paul, Minnesota

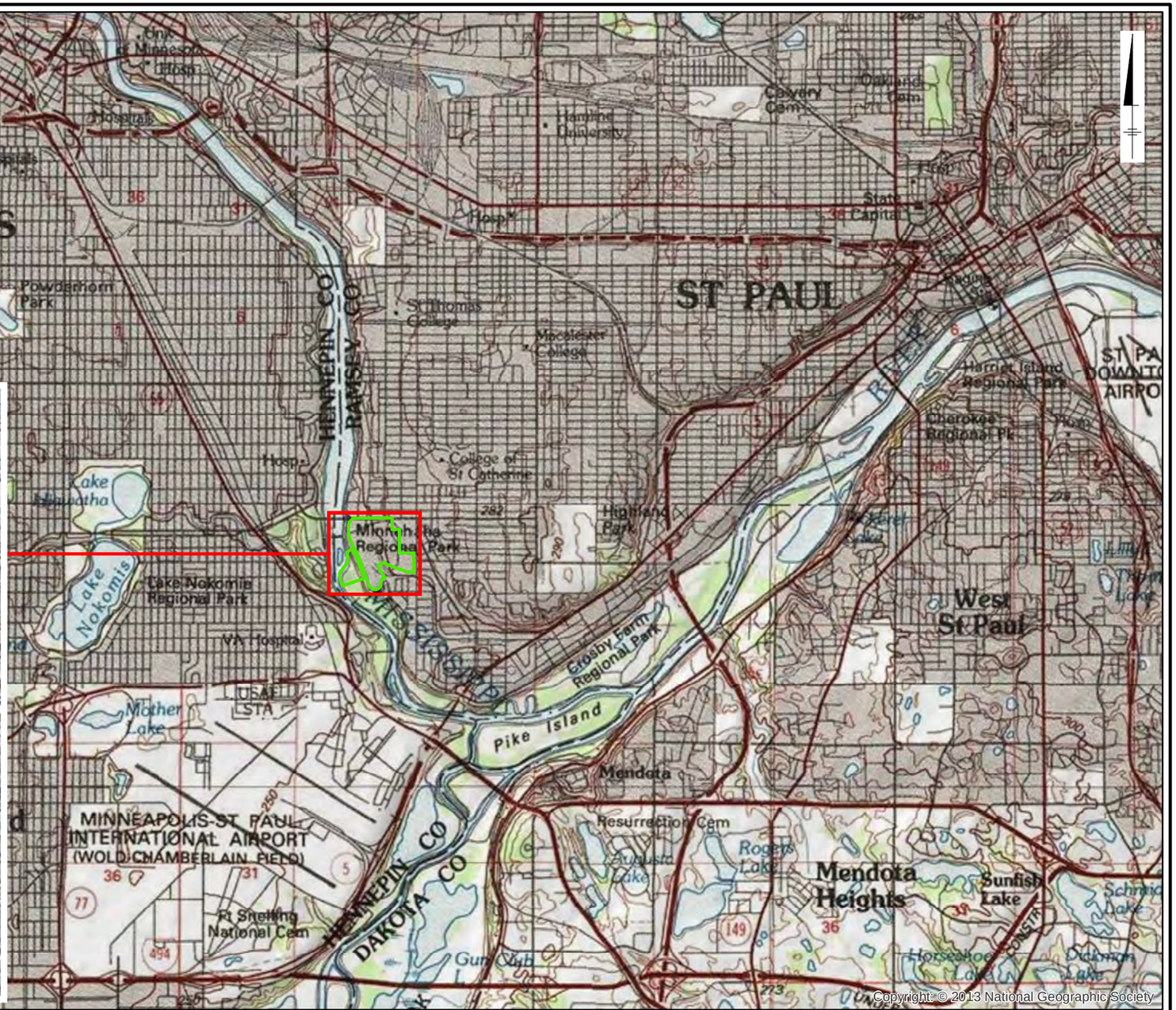
Location ID			Tier 1	Tier 2	TCLP	ASB-0707N	ASB-0707N	ASB-0707W	ASB-017	ASB-031
Sample ID			Residential	Industrial	Criteria	ASB-0707N_4-6(20131029)	ASB-0707N_10.5-11(20131029)	ASB-0707W_4-6(20131030)	ASB017_0-2(20070625)	ASB031_2-4(20070629)
Depth Interval		Unit	SRV	SRV		4-6	10.5-11	4-6	0-2	2-4
Sample Date						10/29/2013	10/29/2013	10/30/2013	6/25/2007	6/29/2007
Aroclor 1248		mg/kg	1.2	8	NA	NA	NA	NA	< 0.035	< 0.034
Aroclor 1254		mg/kg	1.2	8	NA	NA	NA	NA	< 0.035	< 0.034
Aroclor 1260		mg/kg	1.2	8	NA	NA	NA	NA	**0.012 J**	< 0.034
Other										
Gasoline Range Organics		mg/kg	NS	NS	NA	NA	NA	NA	NA	NA
Diesel Range Organics		mg/kg	NS	NS	NA	NA	NA	NA	**38**	**2.8 J**
Cyanide		mg/kg	60	5000	NA	NA	NA	NA	NA	NA

Notes:

mg/kg	Milligrams per kilogram
mg/l	Milligrams per liter
<	Not detected
ASB	ARCADIS Soil Boring
NA	Not applicable/not analyzed
ND	Not detected
NS	No standard
J	Estimated result
Bold	Detected value
Shade	Result value is above the MPCA Tier 1 Residential SRV
Box	Result value is above the MCPA Tier 2 Industrial SRV
VOCs	Volatile organic compounds
SVOCs	Semi-volatile compounds
PCBs	Polychlorinated biphenyls
SRV	Soil reference value
TCLP	Toxicity characteristic leaching procedure
MPCA	Minnesota Pollution Control Agency
*	Criteria for total xylenes used
**	SRVs are for Chromium VI and Chromium III respectively, reported data is for total chromium and is therefore compared to the lower of the SRVs
***	Reporting limit exceeds standard

ARCADIS

Figures



LEGEND:

Ford Property Boundary

NOTES:

Imagery Source: United States Geological Survey
High Resolution Orthoimagery for the Minneapolis-St. Paul, Minnesota Urban Area

Topographic Map Source:
© 2007 National Geographic Society

Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Site Location / Property Layout

ARCADIS

FIGURE
1

CITY: Minneapolis, MN DB: MGress PM: BZinda
Project MN000593
Document Path: G:\GIS\Projects\Ford Ranger\ArcMap\2014\2014-06\Fig1_Site_Location_Topo.mxd

LEGEND:

- Temporary Sediment Retention Pond Boring
- Soil Boring
- Ford Property Boundary
- Approximate Temporary Sediment Retention Pond Location

0 15 30 60 Feet

1 inch = 30 feet

NOTES:

Imagery Source: MnGeo WMS service, 2010 color 7-county
http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 6/10/2013

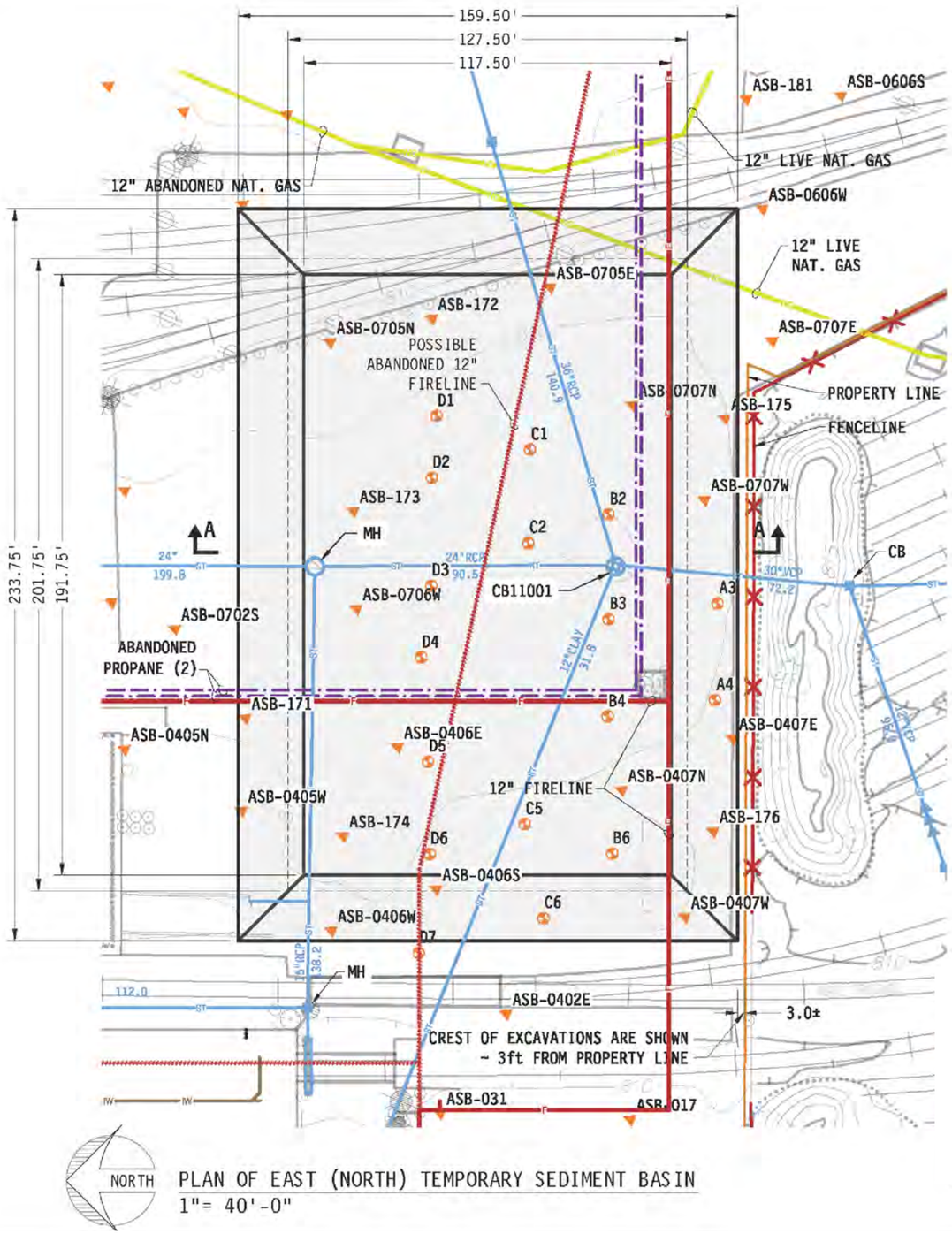
Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Temporary Sediment Retention Pond

ARCADIS

FIGURE
2

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford Ranger\ArcMap\2014\2014-07\Temp_Basins_20140711.mxd



PLAN OF EAST (NORTH) TEMPORARY SEDIMENT BASIN
1"= 40'-0"

LEGEND:

- Temporary Sediment Retention Pond Boring (Borings C3, C4, and B7 were not done.)
- Soil Boring
- Property Line

NOTES:

Colored lines indicate a utility.

Black outline illustrates slope extents for temporary sediment retention pond.

Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Temporary Sediment Retention Pond Design

ARCADIS

FIGURE 3

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford Ranger\ArcMap\2014\2014-07\Temp_Basin_Design_20140711.mxd