



November 12, 2010

Mr. Doug Griffin
Indiana Department of Environmental Management
Hazardous Waste Permit Section
100 North Senate Avenue, IGCN - 1154
Indianapolis, IN 46204

RE: Phase I RFI Sampling Matrix
RCRA Corrective Action
Indianapolis Metal Center
USEPA ID Nos. IND079583720 and IND006044333

Dear Mr. Griffin:

On behalf of Motors Liquidation Company (MLC), please find enclosed the Phase I RFI Sampling Matrix prepared by ARCADIS, U.S. for the above referenced Facility. Two paper copies and one electronic version (CD) of the report are enclosed for your use.

Please let me know if you have any comments or would like to discuss this matter further. Thank you.

Sincerely,

A handwritten signature in cursive script, appearing to read "David M. Favero", followed by a forward slash and the letters "DF".

David M. Favero, P.G.
Project Manager
1210 South 5th Street
Springfield, IL 62703
217.522.6714
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Enclosure

RCRA Corrective Action, Phase I RFI Sampling Matrix, Indianapolis Metal Center, Indianapolis, Indiana, IND 000806844, ARCADIS, U.S., November 12, 2010.

ARCADIS

Table 1. Phase I RFI Sampling Matrix, Motors Liquidation Company - Indianapolis Metal Center, Indianapolis, Indiana

AOI	Name (Focus of Investigation)	Sample Matrix	Data Usage	Sample Locations	Number of Proposed Soil Borings	Number of Proposed Monitoring Wells	Laboratory Parameters	Analytical Methods (SW-846)
Background	NA	Soil	To obtain enough data in non-operational areas to calculate background concentrations for metals	BK-1101 through BK-1108, MW-1102, MW-1103	10	-	Metals	6000/7000
Perimeter	NA	NA	Evaluate groundwater flow and evaluate groundwater conditions near the site boundary	One monitoring well east of AOI 1 (MW-1101) One monitoring well in the southwest parking lot (MW-1102 ¹) One monitoring well in the southeast parking lot (MW-1103 ¹) One monitoring well east of AOI 19 (MW-1104 ¹) One monitoring well west of AOI 14 (MW-1105 ¹)	-	5	VOCs	8260
AOI 1	Former Building 31 Area/Distribution Center	No proposed investigation						
AOI 2	Former Plant 3 UST (Heating oil UST)	Soil	Evaluate individual constituents associated with the heating oil UST	One soil boring near the location of the former UST (SB-02-1101)	1	-	BTEX/MTBE cPAHs	8260 8270c
		Groundwater	Evaluate groundwater flow and evaluate if groundwater has been impacted by the UST	One monitoring well east of AOI 2 (MW-1106)	-	1	BTEX/MTBE cPAHs	8260 8270c
AOI 3	Former Plant 5 (Former USTs containing gasoline, diesel and 1,1,1-TCA)	Soil	Evaluate individual constituents associated with the USTs	Four soil borings in the vicinity of the former USTs (SB-03-1101 through SB-03-1104)	4	-	VOCs ² cPAHs Lead (SB-03-1104 only)	8260 8270c 6010
		Borehole water	Evaluate if groundwater has been impacted by AOI 3	Four soil borings in the vicinity of the former USTs (SB-03-1101 through SB-03-1104)	4	-	VOCs ² cPAHs	8260 8270c
		Groundwater	Evaluate groundwater flow and evaluate if groundwater has been impacted by AOI 3	One monitoring well east of AOI 3 (MW-1107 ¹)	-	1	VOCs ² cPAHs	8260 8270c
AOI 4	West Pump House (Former diesel release)	Soil	Evaluate if soil has been impacted from AOI 4	One soil boring in the vicinity of the former release area (SB-04-1101)	1	-	BTEX/MTBE cPAHs	8260 8270c
AOI 5	Former Meuhlstien Plant (Previous sample locations and former heating oil and wastewater USTs)	Soil	Evaluate current conditions in soil at AOI 5	One soil boring in the vicinity of SB-6 (SB-05-1101) One soil boring in the vicinity of SB-13 (SB-05-1102) One soil boring in the vicinity of SB-2 and trench 9 (SB-05-1103) One soil boring in the vicinity of SB-14 (SB-05-1104)	4	-	VOCs SVOCs PCBs Metals	8260 8270 8082 6000/7000
AOI 6	Pipe Fitting Storage Building (Former spill area)	Soil	Evaluate current concentrations of lead in soil	One soil boring on the west side of the AOI, north of the railroad tracks (SB-06-1101)	1	-	Lead	6010
AOI 7	Scrap Metal Storage Pit	Soil	Evaluate if soil has been impacted from AOI 7	One soil boring north of the storage area (SB-07-1101) One soil boring west of the storage area (SB-07-1102) One soil boring southeast of the storage area (MW-1108)	3	-	VOCs SVOCs PCBs Metals	8260 8270 8082 6000/7000
		Groundwater	Evaluate groundwater flow	One monitoring well southeast of AOI 7 (MW-1108)	-	1	VOCs BNs	8260 8270
AOI 8	Basement (Cutting oils on basement floor and pits)	Soil	Evaluate if soil beneath the basement has been impacted from AOI 8	Eight hand auger soil borings located throughout the basement (SB-08-1101 through SB-08-1108)	8		VOCs BNs Metals	8260 8270 6000/7000
		Groundwater	Evaluate groundwater flow and determine if LNAPL is present on the water table downgradient from the basements	Two monitoring wells south of the plant building (MW-1109 and MW-1110) One monitoring well southeast of the plant building (MW-1111)	-	3	VOCs BNs	8260 8270

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AOI	Name (Focus of Investigation)	Sample Matrix	Data Usage	Sample Locations	Number of Proposed Soil Borings	Number of Proposed Monitoring Wells	Laboratory Parameters	Analytical Methods (SW-846)
AOI 9	West Gate Spill Area (Former gasoline release)	Soil	Evaluate if soil has been impacted by the release of gasoline onto the ground	One soil boring near the storm sewer (SB-09-1101) One soil boring near the gate (SB-09-1102)	2	-	BTEX/MTBE Naphthalene Lead	8260 6010
AOI 10	USTs 4 and 5 (Regular gasoline and diesel USTs)	Soil	Evaluate individual constituents associated with USTs	One soil boring in the vicinity of the former gasoline UST (SB-10-1101) One soil boring in the vicinity of the former diesel fuel UST (SB-10-1102)	2	-	BTEX/MTBE cPAHs Lead	8260 8270c 6010
AOI 11	Empty Drum and Waste Treated Pine Block Storage Areas	Soil	Evaluate if soil has been impacted from AOI 11	One soil boring in the vicinity of the storage area (SB-11-1101)	1	-	BNs Metals	8270 6000/7000
AOI 12	Solvent Units	No proposed investigation						
AOI 13	Northwest Plant Former Storage Tank Area	No proposed investigation						
AOI 14	Baler Building	No proposed investigation						
AOI 15	Paint Mix/Oil Stores Building (Former releases to the ground surface)	Soil	Evaluate if soil has been impacted from AOI 15	One soil boring in the vicinity of the release area (SB-15-1101)	1	-	VOCs SVOCs	8260 8270
AOI 16	Ash Slurry UST	No proposed investigation						
AOI 17	Storm and Waste Water Treatment System (Former releases from the process tank)	Soil	Evaluate if soil has been impacted from AOI 17	One soil boring in the vicinity of the release area (MW-1112)	1	-	VOCs SVOCs PCBs Metals	8260 8270 8082 6000/7000
		Groundwater	Evaluate if groundwater has been impacted from AOI 17	One monitoring well east of UST 7 (MW-1112)	-	1	VOCs SVOCs Metals	8260 8270 6000/7000
AOI 18	Spray Paint Booth, ELPO Paint System and Former Chromic Acid Treatment Tank (Former chromic acid tank)	Soil	Evaluate if soil has been impacted from the former chromic acid treatment tank	One soil boring in the vicinity of the former chromic acid tank (SB-18-1101)	1		Metals (total and hexavalent Chromium) pH	6000/7000 9040
AOI 19	Executive Car Garage	No proposed investigation						
AOI 20	Storm Water Sewer System	No proposed investigation						

NOTES:

Locations are presented on accompanying figures. Locations may be adjusted in the field based on underground utilities and/or accessibility restrictions.

1 - Soil boring will extend to first encountered till unit to aid in evaluation of Site-wide geology.

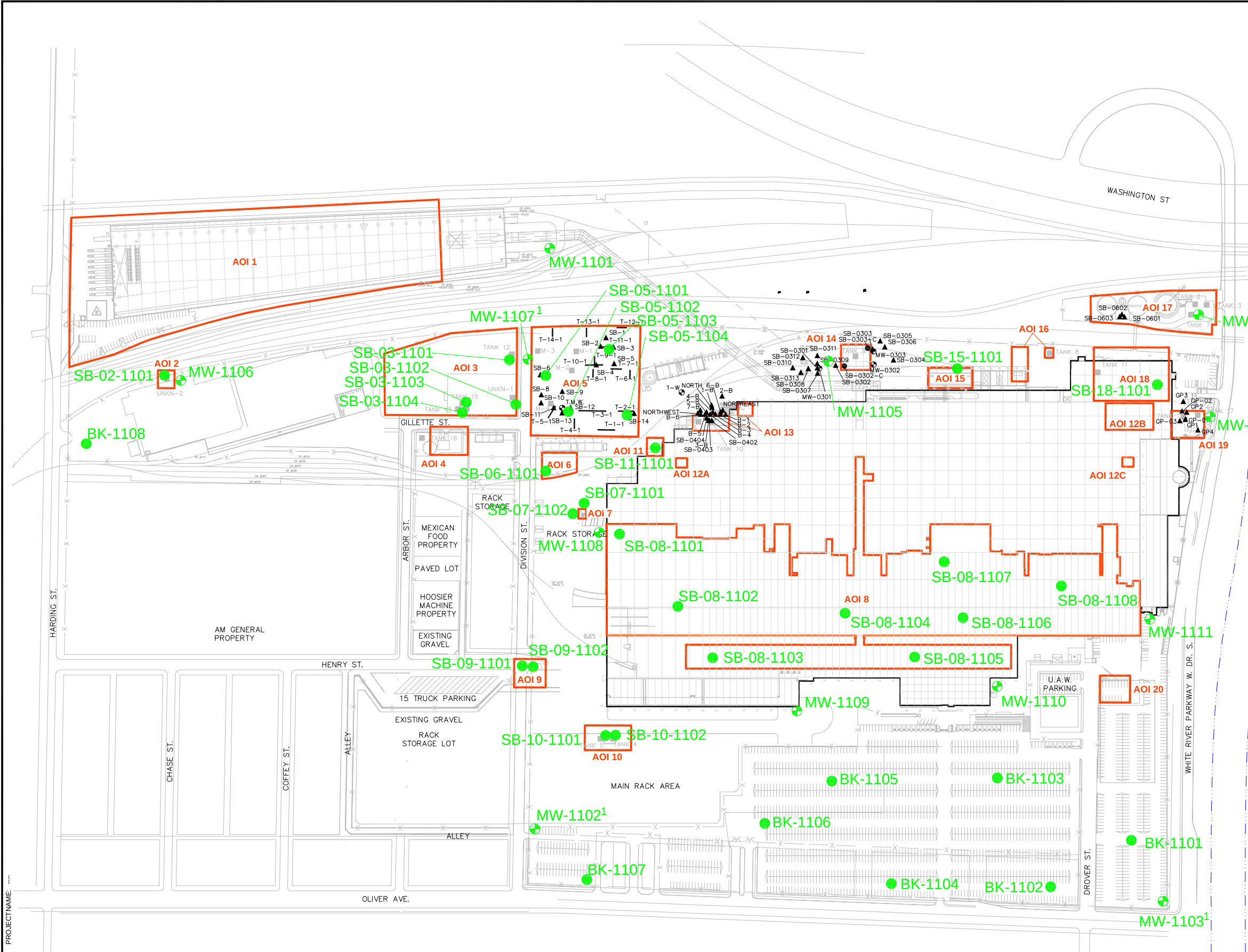
2 - VOC analysis will include 1,4-dioxane, with a reporting limit of 50 ug/L in water and 250 ug/kg in soil.

All soil samples will be collected from 0 ft to 2 ft bgs, 8 ft to 10 ft bgs and no less than 4 ft above the water table unless otherwise specified.

In order to properly place monitoring wells in relation to potential source areas, select wells will be installed first to obtain area-wide groundwater flow. The order of installation will be: MW-1101, MW-1102, MW-1103, MW-1112

BTEX/MTBE - benzene, toluene, ethylbenzene, xylenes / methyl-tertiary butyl ether

cPAHs - carcinogenic polycyclic aromatic hydrocarbons



LEGEND

MW-1112 PROPOSED MONITORING WELL

SB-18-1101 PROPOSED SOIL BORING

2-B PRE-RFI SOIL BORING

1-W PRE-RFI MONITORING WELL

NOTES:

1 - SOIL BORING WILL EXTEND TO FIRST ENCOUNTERED TILL UNIT

MOTORS LIQUIDATION COMPANY
INDIANAPOLIS, INDIANA
INDIANAPOLIS METAL CENTER

**PROPOSED RFI PHASE I
SAMPLING LOCATIONS**

ARCADIS

FIGURE
1