Concrete Razing, Crushing, and Reuse Plan

Parcel
47-31-401-008

Flint, Genesee County, Michigan 48505

April 19, 2023

Prepared for:
Ashley Capital, LLC,
And Flint Commerce Center, LLC
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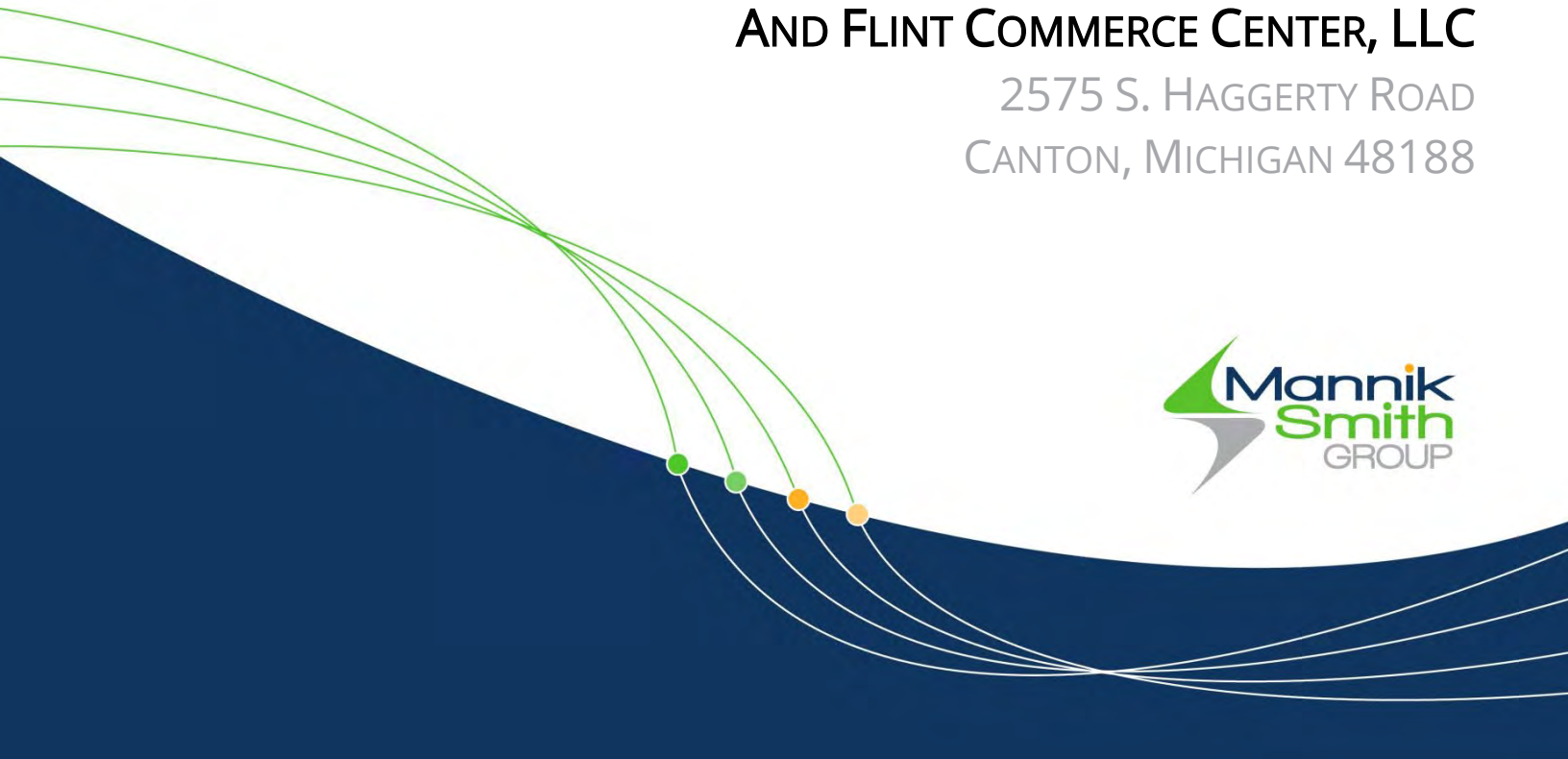

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1.0 INTRODUCTION AND PURPOSE

This Concrete Razing, Crushing, and Reuse Plan (hereafter referred to as "Plan") was prepared on behalf of Flint Commerce Center, LLC (FCC), for Parcel number 47-31-401-008 (i.e., Block 2 through 4), approximately 150 acres in size, located north of Leith Street, south of East Stewart Avenue, east of Industrial Avenue, and west of the CSX railroad in Flint, Genesee County, Michigan (hereafter referenced as the "Site"; and depicted in Figure 1). The Site is part of the former General Motors Corporation (GM) "Buick City" parcels located at 902 East Leith Street in Flint, Genesee County, Michigan. FCC intends to submit additional Plans for the site concrete razing, crushing, and reuse activities on the other Buick City parcels as those activities are contemplated.

In 2009, GM filed for bankruptcy and in 2011 the bankruptcy court transferred the land along with the Resource Conservation and Recovery Act (RCRA) obligations to RACER Trust (RACER). In August 2020, RACER entered into a Corrective Action Consent Order (CACO) with the Michigan Department of Environment, Great Lakes and Energy (EGLE). RACER is obligated to EGLE under the CACO to implement a corrective measures strategy designed to address both the corrective action requirements and coordinate corrective actions with any existing or prospective redevelopment to support new redevelopment construction activities.

The Site is a Facility as defined in Part 201 of the Natural Resources and Environmental Protection Act (NREPA), PA 451 of 1994, as amended. Soil and groundwater contamination is present on the Site which exceeds Part 201 Nonresidential Generic Cleanup Criteria (GCC) in several areas. Contamination is also present at RCRA hazardous waste levels and TCSA PCB remediation waste levels. The contamination levels require land use restrictions and special handling in accordance with the applicable federal and state regulations and Restrictive Covenants being developed to be recorded with Genesee County Record of Deeds. When GM demolished the on-site buildings, they left the concrete slabs, foundations, pavements, and underground utilities in place. The remnants of this infrastructure must be removed to allow redevelopment to take place. The slabs and pavements are in a cracked and weathered condition and have been in that condition for over a decade.

FCC plans to prepare the Site for redevelopment by razing the surface concrete slabs and pavements and removing the former building foundations and utilities. The concrete will be crushed, processed, and reused on the Site as fill. GM and RACER have conducted extensive testing of the former concrete slabs; and RACER and FCC have concluded the former building slabs are not contaminated at levels that would prohibit their crushing and reuse as fill on the Site. After crushing and processing the concrete, the Site will be covered with interim covers in a "pad ready" state. The Site will then sit idle pending market demand to begin construction of the planned buildings, pavements, and landscaping that will be the final cap for the site. This Plan outlines the protocols FCC will take to mitigate the potential infiltration and exposure risks after the cracked and weathered slabs are removed, and how FCC will comply with the expected land use restrictions during this process. The planned management and movement of contaminated soils during the earthwork/grading portion of the redevelopment will be discussed in a separate Soil Management Plan that will also be submitted to EGLE for review and approval.

RACER has identified areas of known soil impacts that will be subject to restrictions under the updated Restricted Covenant, most of which are located under concrete proposed to be razed. The proposed deed restriction areas of impacted soils have been characterized and mapped, and will be reviewed by EGLE recorded with in an updated Restrictive Covenant with Genesee County. RACER and FCC reviewed the soil impact areas and other potential sensitive receptors (i.e., storm sewers) and identified Infiltration Reduction Zones (IRZ) for which infiltration should be minimized due to the presence of contamination with a higher risk of mobilization or infrastructure that has a higher risk to act as a conduit for contamination. The IRZs are where a) significant PFAS contamination is present, b) soil contamination above Part 201 nonresidential ambient air criteria is present, or c) there is an unprotected storm sewer

(i.e., not watertight or chemically resistant) present that could act as a conduit for contamination. The soil contamination areas outside of zones with higher infiltration risks will require a replacement contact cover given the presence of contamination at levels: a) above Part 201 nonresidential direct contact or particulate soil inhalation criteria, b) LNAPL is present, c) regulated as hazardous waste, or d) with PCBs requiring a Toxic Substances Control Act (TSCA) cap.

The interim soil covers will consist of the following:

- IRZs: a minimum of six inches of clean clay type soils with a minimum permeability of 10^{-7} cm/s, covered by 6" of clean soil or aggregate to prevent desiccation of the clay.
- TSCA Regulated PCB Areas: a minimum of ten inches of clean clay type soils with a minimum permeability of 10^{-7} cm/s.
- Other Contaminated Soil Areas: a minimum of 12-inches of clean soil or aggregate.

In the context of this Plan, clean material will be material that is not contaminated above relevant Part 201 nonresidential criteria for the direct contact or inhalation pathways or with PCBs above one part per million (ppm). In each distinct IRZ or area, the interim soil cover will be placed within nine months of removing the slabs, foundations, or pavements. During future phases of the development, the interim soil cover will be replaced with either pavement, buildings, or landscaping. Landscaped areas will be designed to incorporate the same minimum cover as noted above for the respective zones or areas.

FCC believes the protocols summarized above are reasonable precautions to minimize infiltration risks and prevent exacerbation of existing contamination. In addition, FCC is planning to begin the slab, foundation, pavement, and utility removals activities in the winter months to further minimize infiltration risks. RACER is also preparing an Infiltration Management Plan to summarize the infiltration risks at the Site that supports the protocols presented above and a Groundwater Monitoring plan to establish baseline conditions and evaluate groundwater conditions after the razing is complete. Groundwater monitoring wells present within the boundaries of the planned razing activities will be abandoned and evaluated after completion if they need to be replaced.

2.0 SUMMARY OF EXISTING AGREEMENTS

FCC must comply with a Settlement Agreement and Covenant not to Sue made with EGLE, and various Declaration of Restrictive Covenants (Land Use Agreements).

On March 29, 2023, EGLE and FCC entered into a Settlement Agreement and Covenant Not to Sue. The settlement agreement obligations related to the razing of concrete includes the following provisions:

- Comply with any and all land use restrictions and institutional controls on any portion of the Site;
- Shall exercise due care at the Site with respect to the existing contamination and comply with all applicable Federal, State, and local laws and regulations, including but not limited to MCL 324.20107a, and all applicable land use restrictions and institutional controls;
- Shall immediately take all appropriate action to prevent, abate, or minimize any release or threat of release;
- Shall not treat, store, or dispose of waste material at the Site, or release or cause the release of such waste material on, to, or from the Site, except in compliance with applicable law; and
- Shall retain and make available to EGLE all documents relating to environmental conditions or environmental activities at the Site, which may include, but is not limited to, business and operating records related to hazardous substance use, storage, and releases, contracts, site studies, and investigations, for at least ten (10) years, following the effective date of this Settlement Agreement.

There is currently a site-wide generic Declaration of Restrictive Covenant (DRC) recorded for the Buick City property, which includes the Site. This DRC will be rescinded and replaced with an updated DRC for the Site that will incorporate the descriptions of the delineated contaminated soil areas noted above. The updated DRC is also expected to include the following provisions that are applicable to the proposed concrete razing, crushing, and reuse activities:

- Short-term dewatering for construction purposes is allowed, provided the dewatering, including management and disposal of the groundwater, is conducted in accordance with all applicable environmental laws and does not cause or result in a new release, exacerbation of any pre-existing environmental condition, or any other violation of environmental laws;
- Altering or disturbing any slabs, pavement or other impervious surface on the Site that expose soil exceeding Part 201 Nonresidential Direct Contact GCC and exposed environmental conditions must be approved by EGLE and RACER;
- No contaminated soils, media and/or debris may be relocated on the Site except in compliance with all relevant state and federal laws, including, but not limited to, Part 201 MCL 324.20120c, contaminated soil relocation;
- Subsurface utilities shall not be constructed or installed at the Site without confirming that those soils and construction activities will be properly managed during construction in accordance with applicable soil relocation or related requirements under Part 111, Subtitle C of RCRA, the administrative rules promulgated pursuant to Part 111, Part 201, and all other relevant state and federal laws, including, but not limited to, MCL 324.20120c; and
- Subsurface construction shall incorporate engineering controls designed to eliminate the potential for the subsurface feature to be a preferential contaminant migration pathway for impacted subsurface water or vapor, or release fluids that could infiltrate through the subsurface and exacerbate impacts to groundwater.

3.0 CONCRETE SAMPLING RESULTS

The results of GM's and RACER's concrete sampling activities are documented in the summary provided in Appendix A *Concrete Summary Results*. Generally, the concrete samples collected were biased to locations to assess operations, surface staining or due to other pre-demolition requirements. The cumulative results of the concrete sampling activities did not identify contamination that would indicate an environmental or regulatory concern that would prevent the concrete from the Site being crushed and reused as fill on the Site. A brief summary of the concrete sample results for the Site, organized by Block, is presented below.

3.1 Block 2

Five former GM buildings were located within the Block 2 footprint: Buildings 03, 10 (also known as Building 20), 22, 81, and the Wastewater Treatment Plant (WWTP [also known as Building 55]). Concrete sampling and analysis for PCB was performed on the concrete slab at Building 81 (79 samples) and Building 10 (69 samples). Samples collected from these buildings identified no PCBs exceeding 1 part per million (ppm).

3.2 Block 3

The available concrete analytical data within Block 3 included six PCB samples and one sample for metals. Five of the six PCB results were less than the laboratory reporting level, and one sample exhibited 1.7 ppm PCBs. Concrete greater than 1 ppm PCBs was removed and reported disposed offsite.

3.3 Block 4

A total of 100 concrete samples were collected and analyzed during the demolition of former Factory 81 and Building 86 and the results indicate generally low concentrations of all metal constituents, which is common in concrete,

confirming it is unlikely the metal impacts in the underlying soil impacted the concrete. Samples collected from Building 86 identified no PCBs exceeding 1 ppm.

4.0 SUMMARY OF SOIL CONTAMINATION AREAS AND INTERIM COVER

Various environmental studies have been conducted at the Site since 2000. The soil contamination has been divided into various areas based on the type of contamination and the regulatory context of that contamination. Most of the soil and groundwater contamination has been regulated under RCRA/Part 111 with EGLE as the site-lead using Part 201 cleanup criteria as the action levels. PCB contamination at the Site has been regulated under TSCA and managed by USEPA. RACER has been working with EGLE to apply USEPA's Area of Contamination (AOC) Policy for areas with soil contamination at levels noted as characteristic or listed hazardous waste. The AOC policy will allow discrete areas of generally dispersed hazardous contamination to be managed safely in-place provided the soil is not moved outside of the discrete area. The AOC policy is expected to be in place with designated AOC areas defined prior to starting the concrete razing, crushing, and reuse activities and is critical to the redevelopment of the Site. RACER intends to record restrictions over 50 specific soil contamination areas (see Figure 2). See Appendix B *Summary of Proposed Land Use Restricted Areas*. These areas are summarized in the following subsections. See Figure 3 for the graphical illustration of the different interim cover place over each of the restricted areas.

4.1 Infiltration Reduction Zones (IRZs)

The IRZs are areas with significant PFAS contamination, soil contamination above Part 201 nonresidential ambient air inhalation criteria, or areas with unprotected storm sewers. Infiltration in these areas will be minimized by the placement of the interim cover and the time horizon between the removals and the cover placement. The interim cover will consist of a minimum of six inches of clean clay with a minimum permeability of 10^{-7} cm/s with an additional minimum six inches of clean soil or aggregate to protect the clay layer from desiccation. The interim cover will be placed within nine months of removal of the slabs, foundations, or pavements.

4.1.1 Significant PFAS Contamination Area(s)

There are two areas with significant PFAS contamination. This is defined as areas with PFAS contamination at a concentration greater than 10,000 parts per trillion (ppt). One area is at the northeast corner of the Site and was associated with the former foam generation building. The second area is at the southeast corner of the Site and is associated with the storm water sump for the railroad bridge underpass.

4.1.2 Soil Contamination above Part 201 Nonresidential Ambient Air Inhalation Criteria

There is only one area (SI-9) with VOC contamination at levels greater than Part 201 nonresidential ambient air inhalation criteria. The clay cover will help both minimize the risk of increased infiltration compared to no cover and also provide a low permeability cover to mitigate the risk of volatilization of contamination to ambient air at the surface.

4.1.3 Unprotected Storm Sewers

There are two areas identified with sections of unprotected storm sewers on the Site that convey storm water to the Flint River:

- The first area is a French drain located on the southeast corner of the Site that acts as a sump to keep the groundwater level below the adjacent rail bridge. Due to its depth, the drain induces a significant hydraulic gradient in this area and has a strong influence on localized groundwater flow. PFAS contamination above 100 ppt has been identified in the discharge from this area.

- The second area is a 60-inch storm sewer that crosses the middle of the site on a diagonal. This sewer is over 100 years old and is constructed of clay brick tiles. Groundwater around the storm sewer is known to infiltrate into the pipe. FCC is evaluating replacing the 60-inch storm sewer with a new, watertight, and chemically resistant sewer to both eliminate groundwater infiltration risk and reroute the sewer in a linear manner to allow a more efficient site plan that wouldn't construct a building over the old sewer. If the sewer is replaced, the area over the new watertight and chemically resistant sewer would no longer require the infiltration reduction zone cover.

No other storm sewer receptors were identified on the Site.

4.2 TSCA Regulated PCB Areas

There are 14 areas with TSCA regulated PCB contamination whose boundaries will be included in the DRC. Several of these areas require a TSCA cap and will require an interim cover consisting of a minimum of 10 inches of clean clay with a minimum permeability of minimum permeability of 10^{-7} cm/s. The interim cover will be placed in these areas within nine months of removing the slabs, foundations, or pavements. Where there is a PCB TSCA cap area overlapping with an IRZ, the 10-inches of low permeability clay will be capped with a minimum of six inches of clean soil or aggregate to meet the minimum IRZ interim cap.

4.3 Other Soil Contamination Areas

The other soil contamination areas are areas with soil contamination above Part 201 nonresidential direct contact and/or particulate soil inhalation criteria, LNAPL contamination, or hazardous waste levels. The areas with hazardous waste contamination will be placed in AOCs. Each of these areas will require an interim cover to prevent exposure to their underlying contamination. The interim cover will consist of a minimum of 12 inches of clean soil or aggregate that will be placed within nine months of removing the slabs, foundations, or pavements.

4.3.1 Soil Contamination above Part 201 Nonresidential Direct Contact (Not Hazardous Waste)

There are seven areas with soil contamination above these criteria that are not also areas of hazardous waste. These include areas contaminated with benzo(a)pyrene and arsenic. There is also lead contamination present at the Site at concentrations above this criterion, but the lead contamination areas are also hazardous waste and discussed in that subsection. The interim cover will mitigate the risk associated with dermal contact the contamination in these areas.

4.3.2 Soil Contamination above Part 201 Nonresidential Soil Particulate Inhalation Criteria

There is 10 areas with manganese soil contamination above this criterion. The potential for dust generation will be monitored and managed with light watering during the removal activities and the interim cover will mitigate risks associated with this pathway pending the completion of new buildings, pavements, and landscaping over these areas.

4.3.3 LNAPL Contaminated Areas

There are 20 areas across the property with stable LNAPL. These areas have been delineated through decades of assessments, including laser induced fluorescence. RACER determined that there was no risk of the LNAPL contaminated areas being materially affected by increased infiltration.

4.3.4 Hazardous Waste Areas Managed by AOC

There are 21 areas where hazardous waste is present. These areas are associated with lead contamination. There are three areas where listed hazardous waste is present. The AOC policy allows the management of contamination

within the AOC without triggering the waste disposal provisions of RCRA. The management of soil contamination is described in the Soil Management Plan.

5.0 CONCRETE RAZING, CRUSHING, AND REUSE

The concrete slabs, foundations and pavement will be removed, crushed, and stockpiled on the Site in one of three designated crushing and stockpiling areas (See Figure 2). FCC expects there to be one crushing operation at a time, but the location may move to the other designated areas as the work progresses across the Site. The crushing and stockpiling areas were selected for logistical reasons.

Razing the concrete will involve contact with contaminated soil under the concrete but management or movement of soil is anticipated to be incidental to completing the task to raze and crush the concrete. The activity to recover the concrete will include intentionally knocking off, or scraping off as necessary, the loose soil prior to moving the concrete to be crushed. The contractor will employ necessary means and procedures to minimize interaction with contaminated soil. As noted above, the planned management and movement of contaminated soils during the earthwork/grading portion of the redevelopment will be discussed in a separate Soil Management Plan that will also be submitted to EGLE for review and approval. The contractor will also actively manage and control dust and avoid airborne dust from leaving the site as a result of razing operations.

The concrete slabs, foundations, and pavements will be broken into manageable pieces using mechanical equipment (i.e., excavators with breaker or bucket attachments), excavated, loaded, and transported using on-site haul trucks to the designated crushing area. To prevent interaction with the underlying contaminated soil in the designated areas described in Section 4.0, the mechanical equipment will be located on existing slabs and work from one end of the designated area to the other. This will allow the equipment to be continuously located on existing pavements such that the wheels of the machine are not touching the contaminated soil from the area. Mechanical attachments, such as buckets and breakers, that interact with the contaminated soil in a designated areas will be scraped clean and decontaminated before being used in a different designated area, even with similar contamination to mitigate the risk of moving soil contamination between areas. The residual soil and minimal wash water from the decontamination process will be returned to the originating designated area prior to placing the interim cover. The minimal amount of wash water will be absorbed into the soil from that area and/or evaporate. The asphalt parking lots present at the Site will be pulverized in-place and then excavated, transported, and stockpiled in a similar manner as described above for concrete; these areas will receive an interim cover as necessary based on the type of soil contamination present beneath the asphalt pavement.

The broken pieces of concrete will be crushed and processed into two products: 1) one-inch by three-inch crushed concrete (1x3CC) and 2) residual fines (chip sand). Rebar recovered during the crushing activities will be cut, separated, and transported off site for recycling. The 1x3CC will be stockpiled to be used as future road base material beneath pavements. The chip sand will be used as on-site fill as necessary, including as the 12-inch clean interim soil cover in the other contaminated areas discussed in Section 4.3. The stockpiled pulverized asphalt will be used as future road base materials beneath pavements or in building pads.

6.0 GROUNDWATER MONITORING

Groundwater monitoring prior to, and after, razing activities will be described in RACER's Groundwater Monitoring Plan. Select existing wells will be sampled prior to the beginning of razing activities. The groundwater monitoring wells within the footprint of the razing activities will be abandoned by RACER prior to the start of razing activities (See Figure 2). The new or replacement groundwater monitoring wells for post-razing sampling activities will be determined by

RACER and EGLE. If groundwater contamination appears to be altered in a materially way, FCC and RACER will evaluate options to respond to that finding such as increasing the amount of low permeability clay used to cover the Site.

7.0 REFERENCES

The following references were reviewed in the process of preparing this report:

Arcadis 2016, Final Draft - RACER Buick City Remedy Recommendation Report Buick City Site, Flint, Michigan August 29, 2014, Revised February 15, 2016

Arcadis 2023, Infiltration Management and Generic LNAPL and PFAS Soil Management Plan - RACER Buick City, Flint, Michigan, April 18, 2023

Racer Trust, 2023, Draft Declaration of Restrictive Covenant, Buick City – Part 111 and RCRA Issues, EGLE Reference No. RC-OWMRP-111-23-001, Facility MID Number MID 005 356 712 and MIT 270 010 044 , April 18, 2023

FIGURES

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Legend

Approximate Block Boundary

Parcel: 47-31-401-008

0 500 1,000

Feet

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FIGURE 1

SITE LOCATION MAP

Buick City
Flint, Genesee County, Michigan

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04/19/23	JWW	JWW	A1680002

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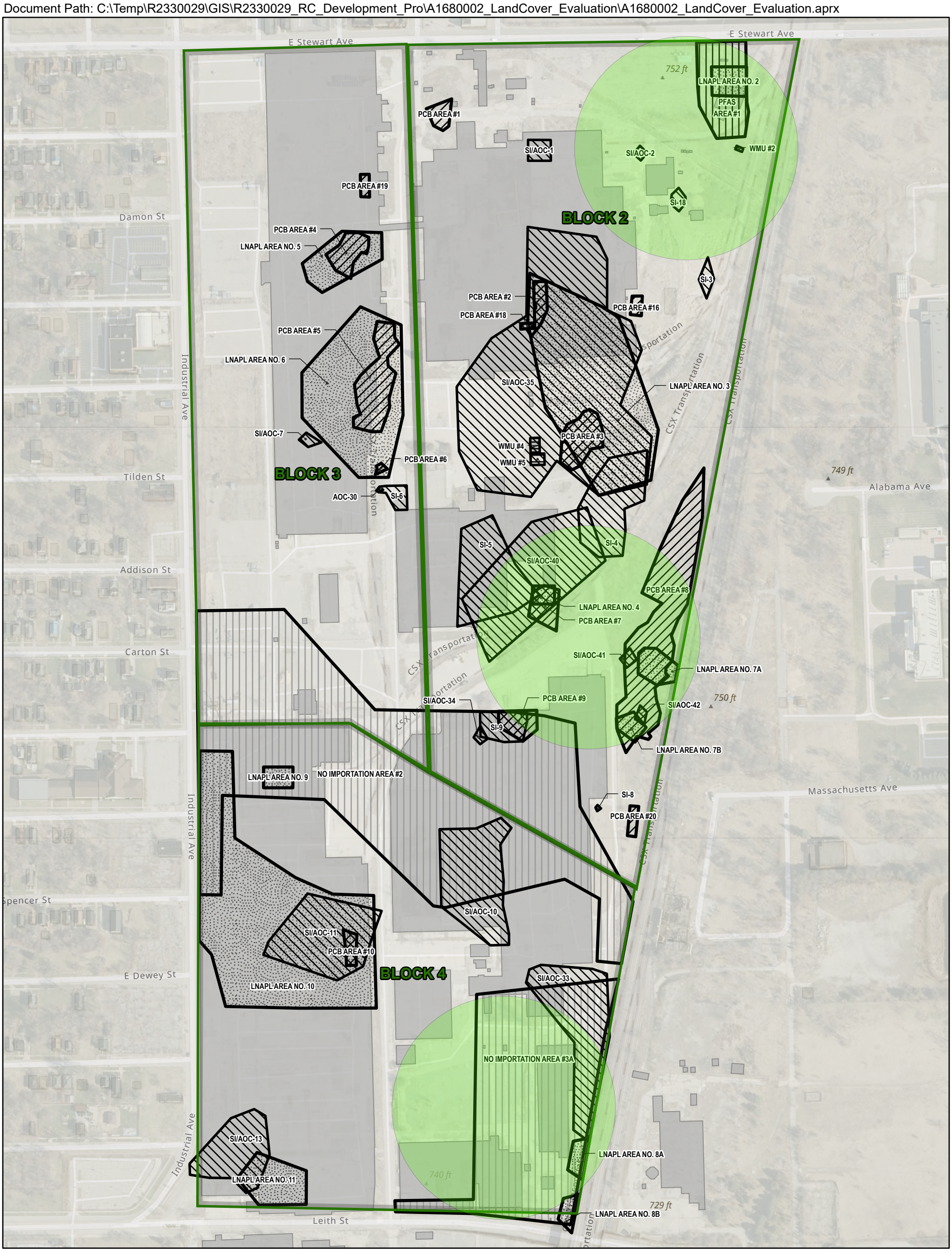

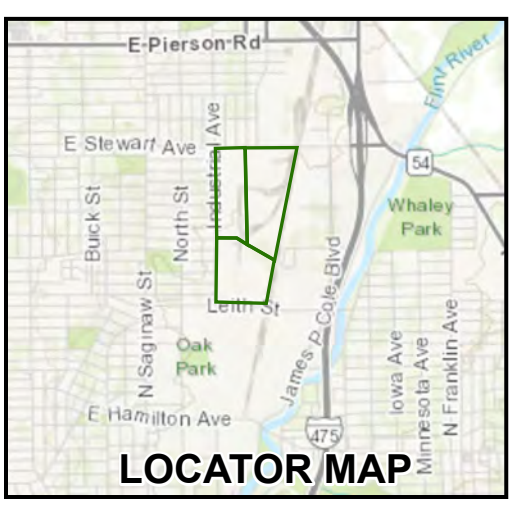

Deed Restriction Area Type

- LNAPL RC
- PCB Area
- Soil Impact (SI) / AOC Area
- PFAS Area
- WMU RC
- Area Prohibited For Soil Importation

- Approximate Block Boundary
- Former Building Concrete Floors
- Concrete Crushing Area

0 150 300
Feet

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FIGURE 2

BLOCKS 2, 3 AND 4
DEED RESTRICTIONS & FORMER BUILDINGS

Buick City
Flint, Genesee County, Michigan

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04/19/23	KRB	JWW	A1680002

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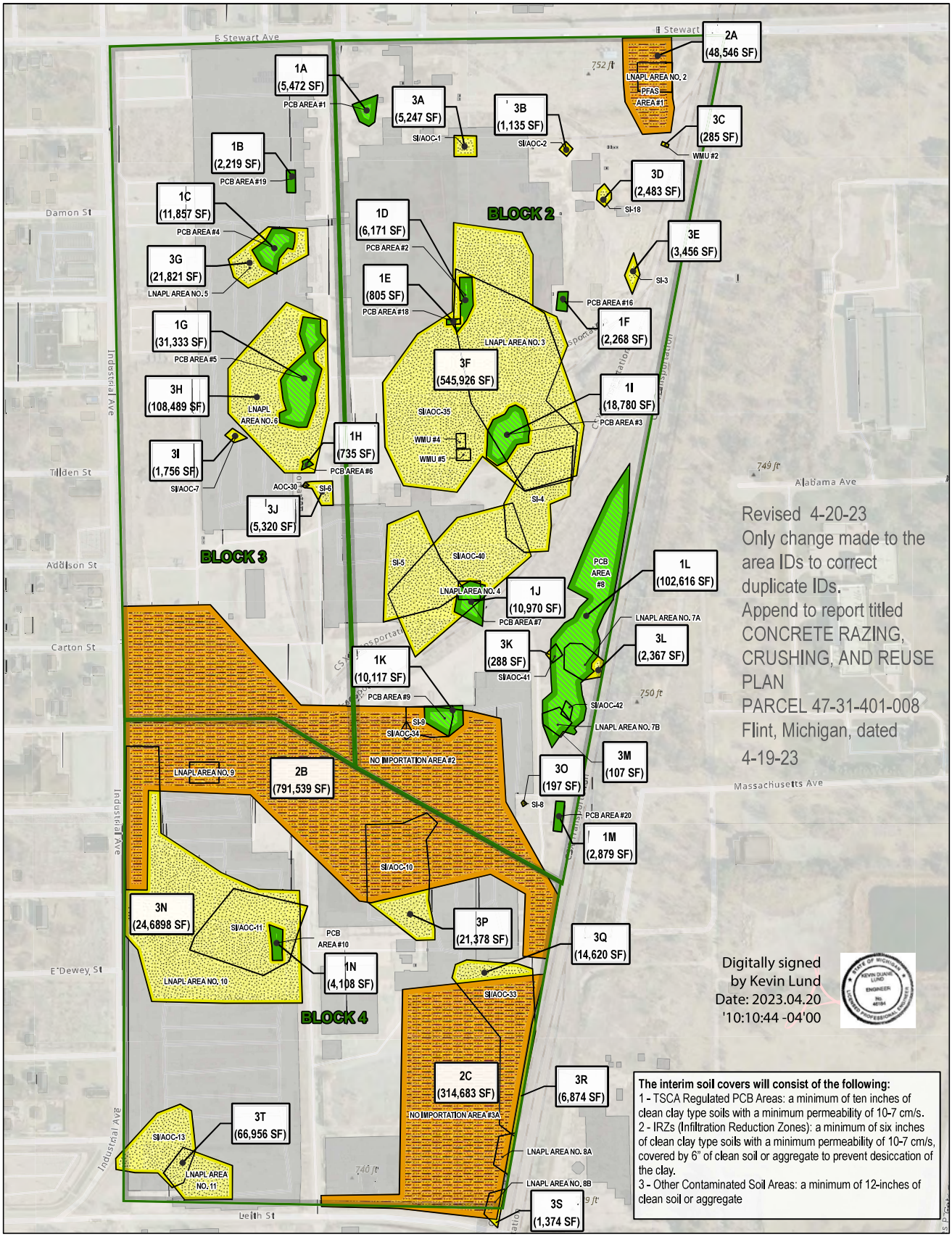

Revised 4-20-23
Only change made to the area IDs to correct duplicate IDs.
Append to report titled CONCRETE RAZING, CRUSHING, AND REUSE PLAN
PARCEL 47-31-401-008
Flint, Michigan, dated 4-19-23

Digitally signed by Kevin Lund
Date: 2023.04.20 '10:10:44 -04'00

The interim soil covers will consist of the following:
1 - TSCA Regulated PCB Areas: a minimum of ten inches of clean clay type soils with a minimum permeability of 10-7 cm/s.
2 - IRZs (Infiltration Reduction Zones): a minimum of six inches of clean clay type soils with a minimum permeability of 10-7 cm/s, covered by 6" of clean soil or aggregate to prevent desiccation of the clay.
3 - Other Contaminated Soil Areas: a minimum of 12-inches of clean soil or aggregate

Interim Soil Cover Type Category
- 1 - TSCA Regulated
- 2 - IRZs
- 3 - Other

- Approximate Block Boundary
- Former Building Concrete Floors
- Restrictive Covenant Area

0 150 300
Feet

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FIGURE 3

BLOCKS 2, 3 AND 4
INTERIM SOIL COVER

Buick City
Flint, Genesee County, Michigan

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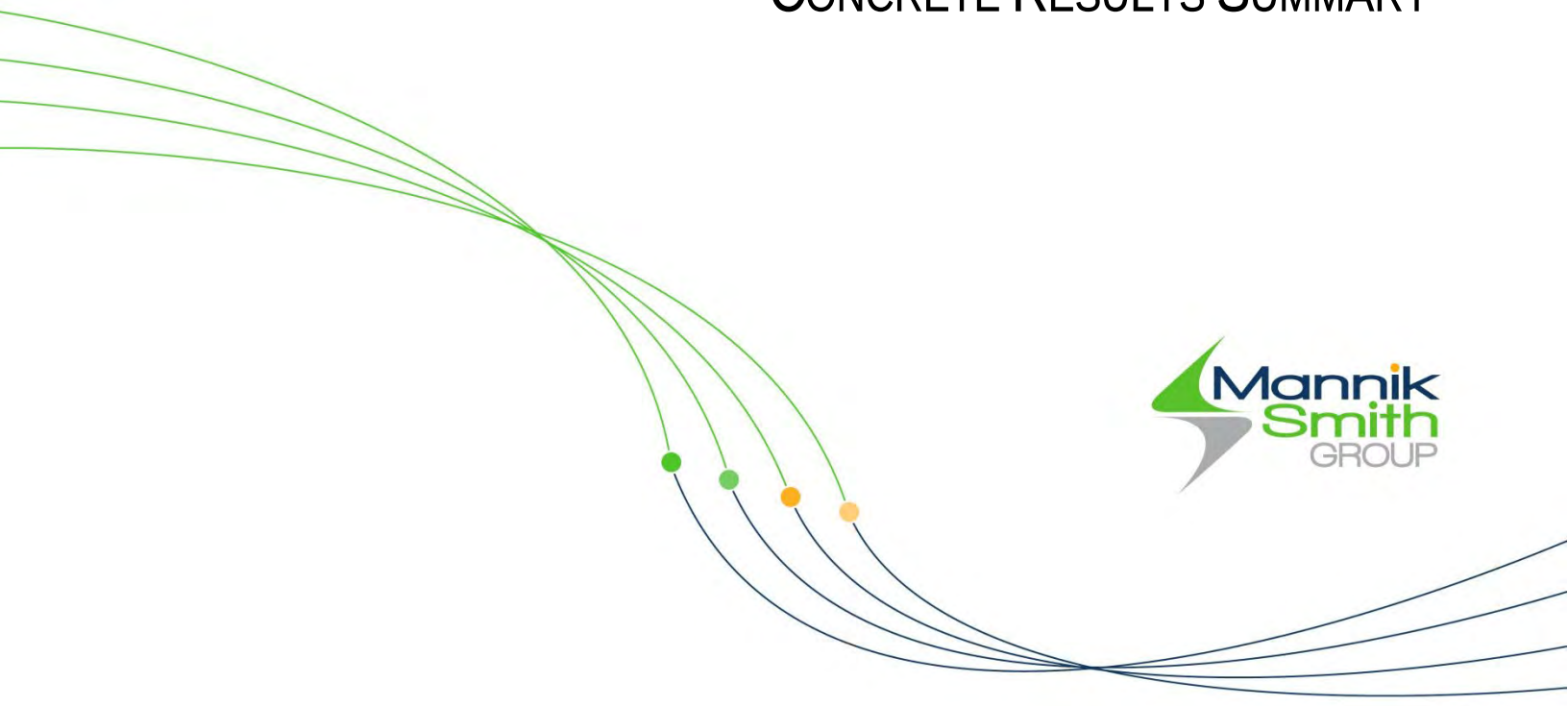
04/20/23	KRB	JWW	A1680002

APPENDIX A
CONCRETE RESULTS SUMMARY



Appendix B. RACER Buick City Concrete Information from Blocks

Concrete slabs and asphalt are expected to be removed as needed to facilitate construction for redevelopment on the Site. An evaluation of the concrete slabs has been performed to determine whether the impacts observed in the soil are related to historic impacts to the slabs. Arcadis (then Blasland, Bouck and Lee, Inc.) completed a Current Conditions Report (CCR) for both the Northend and Southend of the Site in 2000 as part of the RCRA Corrective Action process. The CCR identified Areas of Interest (AOIs) for further evaluation and a review of historic activities in the buildings located in the Northend of the Buick City Site.

Figure 3 shows the locations of the Site blocks. The locations of the buildings/factories referenced is shown in **Appendix A.**

Block 1

Former Building 36 was the only building located within the Block 1 footprint. Table 2 of the Northend CCR presents a summary of the AOIs. A portion of that table listing the AOIs relevant to Block 1 is provided as **Attachment 1.** The AOIs associated with Building 36 described in **Attachment 1** are primarily related to the use of oils, thus the presence of LNAPL in the subsurface within Block 1 is consistent with the extensive LNAPL plume beneath the building.

The available concrete analytical data within Block 1 includes 59 samples from former Building 36 that were analyzed for PCBs and metals and is summarized in **Attachment 1**. One sample exhibited 1.4 mg/kg PCBs; the remaining sample concentrations were all less than the analytical reporting level. Concrete exhibiting concentrations greater than 1 mg/kg was removed and disposed off-Site. Metals concentrations exhibited exceedances of GSIP and DWP, most commonly for barium, chromium, and selenium. However, the GSI pathway is not complete and there is a sitewide restriction on groundwater use. Furthermore, the crushed concrete will be placed beneath a cover (concrete, asphalt, or landscaping) to minimize the potential for leaching. Lead concentrations were well below any levels where the material might be considered TCLP hazardous.

Block 2

There were five buildings described in the CCR that are located within the Block 2 footprint: 03 (also known as Building 30), 10 (also known as Building 20), 22, 81, and the Wastewater Treatment Plant (WWTP [also known as Building 55]). Table 2 of the CCR presents a summary of the AOIs. A portion of that table listing the AOIs relevant to Block 2 is provided as **Attachment 2.** The AOIs described in **Attachment 2** are primarily related to the use of oils, thus the presence of LNAPL in the subsurface within Block 2 is expected.

There is no evidence of elevated lead to indicate a release of lead to the concrete slabs in the AOIs identified in the CCR caused the soil impacts observed in Block 2. This is supported by the results of concrete analysis that was performed as part of the Northend building demolition that occurred between 2010 and 2012. Extensive concrete sampling and analysis was performed on the concrete slab at Building 81 (79 samples) and Building 10 (69 samples). The concrete samples from these buildings are located either whole or in part within Block 2. **Attachment 2** presents the tables of the analytical results. The results indicate generally low concentrations of all constituents in the concrete, supporting that it is likely the impacts in the soil existed prior to the construction of the building.

Block 3

There were three buildings located within the Block 3 footprint, in whole or in part: 5 (also known as Building 43), 30 (just the western end of the building), and 99. Table 2 of the CCR presents a summary of the AOIs. A portion of that table listing the AOIs relevant to Block 3 is provided as **Attachment 3.** The AOIs described in **Attachment 3** are primarily related to the use of oils, thus the presence of LNAPL in the subsurface within Block 3 is expected.

The available concrete analytical data within Block 3 is limited to six PCB samples and one sample for metals. Five of the six PCB results were less than the laboratory reporting level, and one sample exhibited 1.7 mg/kg PCBs. Concrete greater than 1 mg/kg was removed and disposed off-Site. Based on the lack of metals data, no conclusions relating the underlying lead soil impacts to the lead and manganese concentrations in the concrete can be established. However, based on the AOI summary provided in **Attachment 3**, the historic activities conducted in Block 3 does not include any waste management units or management of listed wastes. In addition, concrete analysis from buildings slabs located in other Blocks have not identified a correlation between building activities, metals testing of the concrete slabs, and the underlying soil impacts

Block 4

There were five buildings located within the Block 4 footprint: 21, 81 (in part referred to as Building 71), 83/84 (also known as Building 11), 85, and 86. Table 2 of the CCR presents a summary of the AOIs. A portion of that table listing the AOIs relevant to Block 4 is provided as **Attachment 4.** The AOIs described in **Attachment 4** are primarily related to the use of oils, thus the presence of LNAPL within Block 4 is expected. As indicated in **Attachment 4**, AOIs 81-1 and 86-1 reference hazardous waste storage areas. These storage areas were temporary satellite accumulation areas for hazardous waste, and both were removed by General Motors prior to demolition of the buildings. The floors of the buildings were subsequently power washed as part of demolition. Note that these storage areas **were not used** for one of the Part 111 hazardous waste management units (WMUs). In addition, there were no listed hazardous waste activities identified in Block 4.

There is no evidence that a release of lead or manganese to the concrete slabs in the AOIs identified in the CCR caused the soil impacts observed in Block 4. This is supported by the results of concrete analysis that was performed as part of the Northend building demolition that occurred between 2010 and 2012. Extensive concrete sampling and analysis of the concrete slab at Factory 81 and Building 86 were collected. The concrete samples are located either whole or in part within Block 4. **Attachment 4** provides a summary of concrete analysis and tables of the analytical results. A total of 90 samples of concrete were collected and analyzed during the demolition of former Factory 81 and Building 86 and the results indicate generally low concentrations of all constituents, confirming it is unlikely the impacts in the soil could have impacted the concrete. It has been well established based on communications with General Motors staff and the evidence provided through the completion of soil borings throughout the Buick City Site that many of the buildings and overall infrastructure were constructed over placed fill materials, including process wastes.

Block 5

There were five buildings located within the Block 5 footprint, in whole or in part: 02, 04 (northern end), 12, 23, and 40 (northern end). Table 1 of the CCR presents a summary of the AOIs, which is provided as

Attachment 5. The AOIs described in **Attachment 5** are primarily related to the use of oils, thus the presence of LNAPL in the subsurface within Block 5 is expected. The reference to an “ash and chromium waste drum storage area” inside Building 40 was located at the south end of Building 40 and thus not related to releases to Block 5.

Based on the AOI summary provided in **Attachment 5**, the historic activities conducted in Block 5 suggest they are not likely related to the underlying soil impacts. In addition, concrete analysis from buildings located in other Blocks on Site also does not support any connection between building activities and the underlying soil impacts. The results from the other Blocks indicate generally low concentrations of all constituents in the concrete, supporting that it is likely the soil impacts may have existed prior to the construction of the building.

Block 6

There were five buildings located within the Block 6 footprint: 17, 28, 52, 84, and 94. Tables 7 and 9 of the CCR present a summary of the AOIs within those buildings, which is provided as **Attachment 6.** The AOIs described in **Attachment 6** are primarily related to the use of oils. These AOIs were investigated as part of the RCRA Corrective Action process. The only reference to concrete was on Table 7, Building 84. Two concrete samples exhibited concentrations of “various metals”. There is no indication that the concrete is impacted above regulatory criteria.

Based on the AOI summary provided in **Attachment 6**, the historic activities conducted in Building 6 suggest they are not likely related to the underlying soil impacts. In addition, concrete analysis from buildings located in other Blocks on Site also does not support any connection between building activities and the underlying soil impacts. Furthermore, it has been well established based on communications with General Motors staff and the evidence provided through the completion of soil borings throughout the Buick City Site that many of the buildings and overall infrastructure were constructed over placed fill materials, including process wastes.

Attachment 1

Block 1 AOI Summary and Concrete Results

TABLE 2
GENERAL MOTORS CORPORATION
NAO-FLINT OPERATIONS - FLINT, MICHIGAN

DESCRIPTION OF CURRENT CONDITIONS FOR AREAS NORTH OF LEITH STREET

SUMMARY OF AREAS OF INTEREST (AOIs)

AOI Id.	AOI Summary Description
Building 38 Area	
38-1	Northern portion of Building 38, including several process waste sumps, trenches, former car lifts, and a former 8,000-gallon fuel oil UST.
Factory 36 Area	
36-1	Northern and central portions of Building 36, involving various active engine manufacturing process, including various "wet" (i.e., use of cutting and/or cooling oils) and "dry" (i.e., no use of cutting and/or cooling oils) metal machining operations. Due to the nature of the operations (i.e., full production), it is difficult to visually assess whether releases have occurred.
36-2	Basement area located along the east side of the central portion of Building 36, involving a former metal chip processing operation used to separate residual cutting and cooling oils from metal machining chips. Free-floating product is located immediately downgradient of this basement area.
36-3	Basement area located beneath the southeastern corner of Building 36, involving a final engine assembly area, several ancillary, main process waste oil collection/processing operations, and several former ASTs and USTs identified on the 1973 and 1991 Site Drawings. Oil has been historically observed on the floor of the basement at various locations.
36-4	Southcentral and southeastern portions of the Building 36, involving a former "wet" (i.e., use of cutting and/or cooling oils) metal machining operation and several active engine assembly operations. Trenches associated with these operations routinely contain standing oil, and the integrity of such trenches is unknown.
36-5	Area located immediately south of AOI 36-5 involving a former UST farm and active AST farm, as well as a 6' wide x 6' high subsurface tunnel which connected the former UST farm with Building 36. A prior release(s) from the UST farm in this area has been documented, and floor staining has been observed in the tunnel.
Buildings 55, 55A, and 55B Area	
55-1	Overall area of the Site's process wastewater treatment facilities, involving various waste oil storage facilities, clarifiers, mixing tanks, etc. Past investigations of this area have indicated impacts to underlying soil and groundwater, presumably resulting from a release(s) from these facilities.
Factory 10 Area	
10-1	Overall area of Building 20, including its basement areas, manufacturing operations, external areas immediately surrounding the building, and several tanks identified on the 1973 and 1991 Site Drawings. Past investigations of the Building 20 Area have indicated impacts to underlying soil and groundwater resulting from releases from associated operations.
10-2	Solid waste transfer station located immediately east of Building 20 and immediately south of Building 22 and Tanks 24 and 25 identified on the 1973 Site Drawing. Residual oil draining from solid waste stored in the solid waste transfer station occasionally collects on the concrete pavement of this area, which has numerous cracks and fissures. Residual oil is recovered via a centrally located pit that is routinely emptied.
10-3	Basement area of Building 22, including two process waste oil sumps which collect oil leaks from compressors via floor drains, and Tank 24-1 identified on the 1991 Site Drawing.
10-4	Scrapyard area located immediately south of Building 20 used since 1950 for scrap material storage, vehicle dismantling, and vehicle equipment storage. Past investigations of this area have indicated impacts to underlying soil and groundwater resulting from releases from associated operations.
Factory 05 Area	
05-1	Basement area located along the southeast portion of Building 43, involving a metal machining chip processing operation and several process wastewater system sumps and tanks. Free-floating product is located immediately adjacent to this basement area.
05-2	Central east portion of Building 43, involving a "Filtration Room," an "Oil Room," a below-grade vault, and an elevator pit. Over 2 feet of oil material has been noted on occasion within the below-grade vault in this area. The source of this material is unknown; however, it may be associated with the adjacent Oil Room and/or Filtration Room.

TABLE 5a
CONCRETE ANALYTICAL RESULTS-TOTALS

FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
FLINT NORTH - FACTORY 36
FLINT, MICHIGAN

Analytes	NREPA Part 115 Inert Criteria					Wall Samples[1]									B,C,D Headline and A Block Finish Floor Samples[2]				
	Units	DWP	GSIP	DC	SDBL	FN-36-A3-WALL-(031308)CC[7]	FN-36-A19-WALL-(031308)CC[8]	FN-36-A29-WALL-(031308)CC	FN-36-C1-WALL-(031308)CC[8]	FN-36-C33-WALL-(031308)CC[8]	FN-36-F1-WALL(031308)CC[7]	FN-36-L11-WALL-(031308)CC	FN-36-L12-WALL-(031308)CC[8]	FN-36-M29-WALL-(031308)CC	FN-36-B21-(031208)CC	FN-36-C26-(031208)CC	FN-36-D32-(031208)CC[8]	FN-36-F29-(031208)CC[7]	FN-36-G25-(031208)CC[8]
Sample Decription:						Blue Painted Wall	Blue Painted Wall	Blue Painted Wall	Blue Painted Wall	Blue Painted Wall	Blue Painted Wall	Blue-Green Painted Wall	Blue Painted Wall	Blue Painted Wall	Stained Concrete	Yellow Painted Concrete	Blue Painted Concrete	Stained Concrete	Blue Painted Concrete
PCBs																			
Aroclor-1016	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1221	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1232	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1242	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1248	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1254	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1260	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Total PCBs	mg/kg	{G}	{G}	1.0	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organics																			
1,1,1,2-Tetrachloroethane	mg/kg	0.026	{D}	15	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	mg/kg	4	2.4	2,200	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	mg/kg	0.0036	0.64	1.9	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	mg/kg	0.013	1.3	7	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	mg/kg	17	{D}	9,300	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	mg/kg	0.14	0.64	78	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	mg/kg	0.8	{D}	440	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	mg/kg	2.2	0.44	1,200	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	mg/kg	0.0000084	0.022	0.0047	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	12	0.14	6,700	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	mg/kg	0.0076	11	4.3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	mg/kg	0.01	1.3	5.8	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	mg/kg	{ID}	{D}	{ID}	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	12	3.6	6,700	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichloro-2-butene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	0.03	0.3	16	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/kg	6.4	82	3,600	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	mg/kg	20	{D}	11,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	{ID}	{D}	{ID}	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	mg/kg	7	{D}	3,900	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	mg/kg	14	10	7,800	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	mg/kg	0.0013	0.044	0.7	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/kg	0.024	1.2	13	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromobenzene	mg/kg	{ID}	{D}	{ID}	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	mg/kg	0.011	0.48	6.2	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	mg/kg	0.092	1.3	50	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	mg/kg	0.2	0.22	110	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	mg/kg	15	{D}	8,600	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	mg/kg	0.0054	0.42	3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	mg/kg	2.6	1.4	1,500	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	mg/kg	0.18	{D}	100	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	mg/kg	0.11	0.86	62	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	mg/kg	0.054	{D}	30	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	mg/kg	1.5	{D}	860	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	mg/kg	0.0084	0.58	4.7	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	mg/kg	1.5	{D}	860	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	mg/kg	32	{D}	18,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl ether	mg/kg	70	{D}	39,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	mg/kg	1.5	0.62	7,500	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	0.05	0.26	28	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iodomethane	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 5a
CONCRETE ANALYTICAL RESULTS-TOTALS

FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
FLINT NORTH - FACTORY 36
FLINT, MICHIGAN

Analytes	NREPA Part 115 Inert Criteria					Wall Samples[1]									B,C,D Headline and A Block Finish Floor Samples[2]				
	Units	DWP	GSIP	DC	SDBL	FN-36-A3-WALL-(031308)CC[7]	FN-36-A19-WALL-(031308)CC[8]	FN-36-A29-WALL-(031308)CC	FN-36-C1-WALL-(031308)CC[8]	FN-36-C33-WALL-(031308)CC[8]	FN-36-F1-WALL(031308)CC[7]	FN-36-L11-WALL-(031308)CC	FN-36-L12-WALL-(031308)CC[8]	FN-36-M29-WALL-(031308)CC	FN-36-B21-(031208)CC	FN-36-C26-(031208)CC	FN-36-D32-(031208)CC[8]	FN-36-F29-(031208)CC[7]	FN-36-G25-(031208)CC[8]
Sample Decription:						Blue Painted Wall	Blue Painted Wall	Blue Painted Wall	Blue Painted Wall	Blue Painted Wall	Blue Painted Wall	Blue-Green Painted Wall	Blue Painted Wall	Blue Painted Wall	Stained Concrete	Yellow Painted Concrete	Blue Painted Concrete	Stained Concrete	Blue Painted Concrete
Isopropylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	mg/kg	4.6	7.6	2,600	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	mg/kg	0.092	1.2	51	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	5	0.58	9,300	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,m-Xylene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/kg	0.024	0.38	13	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	mg/kg	0.014	0.44	7.8	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	mg/kg	4.6	66	2,600	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	mg/kg	16	2.2	17,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	mg/kg	2.4	6	1,300	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/kg	0.044	1.9	24	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	mg/kg	48	{D}	27,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	mg/kg	0.00032	0.062	0.18	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																			
Arsenic	mg/kg	5.8 {SDBL}	5.8 {SDBL}	5.8 {SDBL}	5.8	4.38	8.55 (DWP,GSIP,DC,SDBL	3.03	2.22	1.86	1.63	3.68	1.60	2.64	4.24	2.36	3.04	1.90	3.21
Barium	mg/kg	75 {SDBL}	75 {SDBL}	18,000	75	111 (DWP,GSIP,SDBL)	98.8 (DWP,GSIP,SDBL)	34.1	611 (DWP,GSIP,SDBL)	458 (DWP,GSIP,SDBL)	194 (DWP,GSIP,SDBL)	34.0	54.7	51.9	42.0	38.8	45.7	25.5	40.4
Cadmium	mg/kg	1.2 {SDBL}	5.7 {*}	130	1.2	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.250	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Chromium	mg/kg	18 {SDBL}	18 {SDBL}	1,200{VI}	18 {Total}	16.4	13.0	8.30	19.3 (DWP, GSIP, SDBL)	49.2 (DWP, GSIP, SDBL)	15.7	13.0	11.1	10.6	12.6	7.00	21.3 (DWP, GSIP, SDBL)	11.5	21.0 (DWP, GSIP, SDBL)
Chromium III	mg/kg	740	18 {SDBL}	390,000	18T	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.12	NA
Chromium VI	mg/kg	18 {SDBL}	18 {SDBL}	1,200	18T	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.38	NA
Lead	mg/kg	21 {SDBL}	21 {SDBL}	400	21	12.4	10.6	4.00	76.7 (DWP,GSIP,SDBL)	2.50	3.90	5.70	27.3 (DWP,GSIP,SDBL)	9.10	5.70	3.40	10.2	4.30	3.00
Mercury	mg/kg	0.13 {SDBL}	0.13 {SDBL}	78	0.13	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Selenium	mg/kg	0.70	0.41 {SDBL}	1,300	0.41	0.540 (GSIP,SDBL)	0.650 (GSIP,SDBL)	0.610 (GSIP,SDBL)	0.470 (GSIP,SDBL)	0.200 U	0.680 (GSIP,SDBL)	0.580 (GSIP,SDBL)	0.590 (GSIP,SDBL)	0.460 (GSIP,SDBL)	0.630 (GSIP,SDBL)	0.200 U	0.490 (GSIP,SDBL)	0.780 (DWP,GSIP,SDBL)	0.350
Silver	mg/kg	1.0 {SDBL}	1.0 {SDBL}	1,200	1.0	0.140	0.110	0.100	0.100 U	0.150	0.150	0.100	0.110	0.110	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U

TABLE 5a
CONCRETE ANALYTICAL RESULTS-TOTALS

FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
FLINT NORTH - FACTORY 36
FLINT, MICHIGAN

Analytes	NREPA Part 115 Inert Criteria					B,C,D Headline and A Block Finish Floor Samples[2]					Crankshafts, Conrod, and Supermarket Samples[3]										
	Units	DWP	GSIP	DC	SDBL	FN-36-G32-(031208)CC [8]	FN-36-H31-(031208)CC[7]	FN-36-I28-(031208)CC	FN-36-K32-(031208)CC[7]	FN-36-L26-(031208)CC	FN-36-D9-(031308)CC	FN-36-D14-(031208)CC [8]	FN-36-E13-(031208)CC	FN-36-E19-(031208)CC	FN-36-G8-(031308)CC	FN-36-G11-(031308)CC [8]	FN-36-G15-(031208)CC[7]	FN-36-G22-(031208)CC	FN-36-H9-(031308)CC [8]	FN-36-I19-(031208)CC	FN-36-K21-(031208)CC
Sample Decription:						Stained Concrete	Stained Concrete	Red Painted Concrete	Yellow Painted Concrete	Stained Concrete	Clean Concrete	Red Painted Stained Concrete	Stained Concrete	Blue Painted Concrete	Green Painted Concrete	Stained Concrete	Yellow Painted Concrete	Red Painted Concrete	Stained Concrete	Clean Concrete	Blue Painted Concrete
PCBs																					
Aroclor-1016	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1221	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1232	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1242	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1248	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1254	mg/kg	- -	- -	- -	- -	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1260	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Total PCBs	mg/kg	{G}	{G}	1.0	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organics																					
1,1,1,2-Tetrachloroethane	mg/kg	0.026	{D}	15	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
1,1,1-Trichloroethane	mg/kg	4	2.4	2,200	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
1,1,2,2-Tetrachloroethane	mg/kg	0.0036	0.64	1.9	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
1,1,2-Trichloroethane	mg/kg	0.013	1.3	7	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
1,1-Dichloroethane	mg/kg	17	{D}	9,300	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
1,1-Dichloroethene	mg/kg	0.14	0.64	78	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
1,2,3-Trichlorobenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30 UY	NA	NA
1,2,3-Trichloropropane	mg/kg	0.8	{D}	440	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
1,2,3-Trimethylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
1,2,4-Trichlorobenzene	mg/kg	2.2	0.44	1,200	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30 UY	NA	NA
1,2,4-Trimethylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
1,2-Dibromo-3-chloropropan	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30 UY	NA	NA
1,2-Dibromoethane	mg/kg	0.0000084	0.022	0.0047	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.020 UY	NA	NA
1,2-Dichlorobenzene	mg/kg	12	0.14	6,700	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
1,2-Dichloroethane	mg/kg	0.0076	11	4.3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
1,2-Dichloropropane	mg/kg	0.01	1.3	5.8	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
1,3,5-Trimethylbenzene	mg/kg	{ID}	{D}	{ID}	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
1,3-Dichlorobenzene	mg/kg	12	3.6	6,700	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
1,4-Dichloro-2-butene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
1,4-Dichlorobenzene	mg/kg	0.03	0.3	16	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
2-Butanone	mg/kg	6.4	82	3,600	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.80 UY	NA	NA
2-Hexanone	mg/kg	20	{D}	11,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.0 UY	NA	NA
2-Methylnaphthalene	mg/kg	{ID}	{D}	{ID}	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.7 Y	NA	NA
4-Methyl-2-pentanone	mg/kg	7	{D}	3,900	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.0 UY	NA	NA
Acetone	mg/kg	14	10	7,800	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 UY	NA	NA
Acrylonitrile	mg/kg	0.0013	0.044	0.7	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
Benzene	mg/kg	0.024	1.2	13	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
Bromobenzene	mg/kg	{ID}	{D}	{ID}	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
Bromochloromethane	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
Bromodichloromethane	mg/kg	0.011	0.48	6.2	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
Bromoform	mg/kg	0.092	1.3	50	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
Bromomethane	mg/kg	0.2	0.22	110	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 UY	NA	NA
Carbon Disulfide	mg/kg	15	{D}	8,600	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30 UY	NA	NA
Carbon Tetrachloride	mg/kg	0.0054	0.42	3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
Chlorobenzene	mg/kg	2.6	1.4	1,500	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
Chloroethane	mg/kg	0.18	{D}	100	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30 UY	NA	NA
Chloroform	mg/kg	0.11	0.86	62	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
Chloromethane	mg/kg	0.054	{D}	30	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30 UY	NA	NA
cis-1,2-Dichloroethene	mg/kg	1.5	{D}	860	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
cis-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
Dibromochloromethane	mg/kg	0.0084	0.58	4.7	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
Dibromomethane	mg/kg	1.5	{D}	860	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30 UY	NA	NA
Dichlorodifluoromethane	mg/kg	32	{D}	18,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30 UY	NA	NA
Diethyl ether	mg/kg	70	{D}	39,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 UY	NA	NA
Ethylbenzene	mg/kg	1.5	0.62	7,500	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
Hexachloroethane	mg/kg	0.05	0.26	28	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30 UY	NA	NA
Iodomethane	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA

TABLE 5a
CONCRETE ANALYTICAL RESULTS-TOTALS

FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
FLINT NORTH - FACTORY 36
FLINT, MICHIGAN

Analytes	NREPA Part 115 Inert Criteria					B,C,D Headline and A Block Finish Floor Samples[2]					Crankshafts, Conrod, and Supermarket Samples[3]									
	Units	DWP	GSIP	DC	SDBL	FN-36-G32-(031208)CC [8]	FN-36-H31-(031208)CC[7]	FN-36-I28-(031208)CC	FN-36-K32-(031208)CC[7]	FN-36-L26-(031208)CC	FN-36-D9-(031308)CC	FN-36-D14-(031208)CC [8]	FN-36-E13-(031208)CC	FN-36-E19-(031208)CC	FN-36-G8-(031308)CC	FN-36-G11-(031308)CC [8]	FN-36-G15-(031208)CC[7]	FN-36-G22-(031208)CC	FN-36-H9-(031308)CC [8]	FN-36-I19-(031208)CC	FN-36-K21-(031208)CC
Sample Decription:						Stained Concrete	Stained Concrete	Red Painted Concrete	Yellow Painted Concrete	Stained Concrete	Clean Concrete	Red Painted Stained Concrete	Stained Concrete	Blue Painted Concrete	Green Painted Concrete	Stained Concrete	Yellow Painted Concrete	Red Painted Concrete	Stained Concrete	Clean Concrete	Blue Painted Concrete
Isopropylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30 UY	NA	NA
Methyl tert-butyl ether	mg/kg	4.6	7.6	2,600	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 UY	NA	NA
Methylene Chloride	mg/kg	0.092	1.2	51	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
Naphthalene	mg/kg	5	0.58	9,300	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.5 Y (GSIP)	NA	NA
n-Butylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
n-Propylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
o-Xylene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
p,m-Xylene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
p-Isopropyltoluene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
sec-Butylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
Styrene	mg/kg	0.024	0.38	13	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
tert-Butylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
Tetrachloroethene	mg/kg	0.014	0.44	7.8	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
Tetrahydrofuran	mg/kg	4.6	66	2,600	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 UY	NA	NA
Toluene	mg/kg	16	2.2	17,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
trans-1,2-Dichloroethene	mg/kg	2.4	6	1,300	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
trans-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
Trichloroethene	mg/kg	0.044	1.9	24	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
Trichlorofluoromethane	mg/kg	48	{D}	27,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 UY	NA	NA
Vinyl Chloride	mg/kg	0.00032	0.062	0.18	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 UY	NA	NA
Inorganics																					
Arsenic	mg/kg	5.8 {SDBL}	5.8 {SDBL}	5.8 {SDBL}	5.8	2.89	5.70	3.00	2.98	2.96	3.24	4.42	3.70	5.56	2.50	3.07	3.86	5.16	4.55	3.44	4.05
Barium	mg/kg	75 {SDBL}	75 {SDBL}	18,000	75	32.3	69.7	35.3	42.5	29.8	50.2	41.9	53.6	75.2 (DWP,GSIP,SDBL)	68.3	156 (DWP,GSIP,SDBL)	33.8	35.5	63.0	49.4	42.7
Cadmium	mg/kg	1.2 {SDBL}	5.7 {*}	130	1.2	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Chromium	mg/kg	18 {SDBL}	18 {SDBL}	1,200{VI}	18 {Total}	19.5 (DWP, GSIP, SDBL)	27.9 (DWP, GSIP SDBL)	15.6	10.0	12.2	18.9 (DWP, GSIP, SDBL)	62.3 (DWP, GSIP, SDBL)	13.1	17.6	11.6	18.8 (DWP, GSIP, SDBL)	10.8	8.90	16.4	24.0 (DWP, GSIP, SDBL)	13.7
Chromium III	mg/kg	740	18 {SDBL}	390,000	18T	NA	NA	NA	NA	NA	NA	NA	13.1	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	mg/kg	18 {SDBL}	18 {SDBL}	1,200	18T	NA	NA	NA	NA	NA	NA	NA	1.00 U	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	21 {SDBL}	21 {SDBL}	400	21	4.20	3.70	2.00	2.30	2.50	5.70	4.40	9.40	3.40	2.90	3.90	3.30	11.7	7.10	3.50	2.00
Mercury	mg/kg	0.13 {SDBL}	0.13 {SDBL}	78	0.13	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Selenium	mg/kg	0.70	0.41 {SDBL}	1,300	0.41	0.500 (GSIP,SDBL)	0.710 (DWP,GSIP,SDBL)	0.290	0.650 (GSIP,SDBL)	0.410	0.290	0.570 (GSIP,SDBL)	0.430 (GSIP,SDBL)	0.270	0.220	0.370	0.580 (GSIP,SDBL)	0.510 (GSIP,SDBL)	0.290	0.250	0.210
Silver	mg/kg	1.0 {SDBL}	1.0 {SDBL}	1,200	1.0	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U

TABLE 5a
CONCRETE ANALYTICAL RESULTS-TOTALS

FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
FLINT NORTH - FACTORY 36
FLINT, MICHIGAN

Analytes	NREPA Part 115 Inert Criteria					Maintenance and Major Repair Samples[4]												A,B,C,D Assembly Line Samples			
	Units	DWP	GSIP	DC	SDBL	FN-36-I2-(031308)CC	FN-36-I6-(031308)CC	FN-36-I12-(031308)CC	FN-36-I15-(031208)CC	FN-36-J4-(031308)CC	FN-36-J8-Floor-(031408)CC[7]	FN-36-J13-(031308)CC	FN-36-K10-(031308)CC	FN-36-K13-(031308)CC[7]	FN-36-L13-(031308)CC[7]	FN-36-L15-(031308)CC	FN-36-L16-(031308)CC [8]	FN-36-A7-(031308)CC[7]	FN-36-A15-(031208)CC[8]	FN-36-B2-(031308)CC	FN-36-B11-(031208)CC
Sample Decription:						Yellow Painted Concrete	Orange Painted Concrete	Stained Concrete	Blue Painted Concrete	Red Painted Concrete	Clean Concrete	Stained Concrete	Clean Concrete	Yellow Painted Concrete	Stained Concrete	Stained Concrete	Clean Concrete	Stained Concrete	Green Painted Concrete	Yellow Painted Concrete	Blue Painted Concrete
PCBs																					
Aroclor-1016	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1221	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1232	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1242	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1248	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1254	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.90	0.33 U	0.33 U	0.33 U	0.33 UJ	0.33 U	0.33 U	0.33 UJ	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1260	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Total PCBs	mg/kg	{G}	{G}	1.0	- -	ND	ND	0.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organics																					
1,1,1,2-Tetrachloroethane	mg/kg	0.026	{D}	15	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	mg/kg	4	2.4	2,200	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	mg/kg	0.0036	0.64	1.9	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	mg/kg	0.013	1.3	7	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	mg/kg	17	{D}	9,300	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	mg/kg	0.14	0.64	78	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	mg/kg	0.8	{D}	440	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	mg/kg	2.2	0.44	1,200	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	mg/kg	0.0000084	0.022	0.0047	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	12	0.14	6,700	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	mg/kg	0.0076	11	4.3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	mg/kg	0.01	1.3	5.8	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	mg/kg	{ID}	{D}	{ID}	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	12	3.6	6,700	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichloro-2-butene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	0.03	0.3	16	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/kg	6.4	82	3,600	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	mg/kg	20	{D}	11,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	{ID}	{D}	{ID}	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	mg/kg	7	{D}	3,900	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	mg/kg	14	10	7,800	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	mg/kg	0.0013	0.044	0.7	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/kg	0.024	1.2	13	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromobenzene	mg/kg	{ID}	{D}	{ID}	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	mg/kg	0.011	0.48	6.2	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	mg/kg	0.092	1.3	50	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	mg/kg	0.2	0.22	110	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	mg/kg	15	{D}	8,600	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	mg/kg	0.0054	0.42	3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	mg/kg	2.6	1.4	1,500	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	mg/kg	0.18	{D}	100	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	mg/kg	0.11	0.86	62	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	mg/kg	0.054	{D}	30	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	mg/kg	1.5	{D}	860	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	mg/kg	0.0084	0.58	4.7	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	mg/kg	1.5	{D}	860	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	mg/kg	32	{D}	18,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl ether	mg/kg	70	{D}	39,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	mg/kg	1.5	0.62	7,500	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	0.05	0.26	28	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iodomethane	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 5a
CONCRETE ANALYTICAL RESULTS-TOTALS

FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
FLINT NORTH - FACTORY 36
FLINT, MICHIGAN

Analytes		NREPA Part 115 Inert Criteria				Maintenance and Major Repair Samples[4]											A,B,C,D Assembly Line Samples			
	Units	DWP	GSIP	DC	SDBL	FN-36-I2-(031308)CC	FN-36-I6-(031308)CC	FN-36-I12-(031308)CC	FN-36-I15-(031208)CC	FN-36-J4-(031308)CC	FN-36-J8-Floor-(031408)CC[7]	FN-36-J13-(031308)CC	FN-36-K10-(031308)CC	FN-36-K13-(031308)CC[7]	FN-36-L13-(031308)CC[7]	FN-36-L15-(031308)CC	FN-36-L16-(031308)CC [8]	FN-36-A7-(031308)CC[7]	FN-36-A15-(031208)CC[8]	FN-36-B2-(031308)CC	FN-36-B11-(031208)CC
Sample Decription:						Yellow Painted Concrete	Orange Painted Concrete	Stained Concrete	Blue Painted Concrete	Red Painted Concrete	Clean Concrete	Stained Concrete	Clean Concrete	Yellow Painted Concrete	Stained Concrete	Stained Concrete	Clean Concrete	Stained Concrete	Green Painted Concrete	Yellow Painted Concrete	Blue Painted Concrete
Isopropylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	mg/kg	4.6	7.6	2,600	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	mg/kg	0.092	1.2	51	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	5	0.58	9,300	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,m-Xylene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/kg	0.024	0.38	13	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	mg/kg	0.014	0.44	7.8	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	mg/kg	4.6	66	2,600	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	mg/kg	16	2.2	17,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	mg/kg	2.4	6	1,300	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/kg	0.044	1.9	24	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	mg/kg	48	{D}	27,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	mg/kg	0.00032	0.062	0.18	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																					
Arsenic	mg/kg	5.8 {SDBL}	5.8 {SDBL}	5.8 {SDBL}	5.8	3.27	2.95	2.40	3.59	3.58	3.37	2.73	3.88	3.91	6.09 (DWP,GSIP,DC,SDBL)	2.69	3.49	2.67	3.69	2.66	2.81
Barium	mg/kg	75 {SDBL}	75 {SDBL}	18,000	75	58.6	34.2	37.4	43.4	61.9	44.2	43.3	41.6	55.5	53.8	55.9	137 (DWP,GSIP,SDBL)	52.5	393 (DWP,GSIP,SDBL)	67.3	40.3
Cadmium	mg/kg	1.2 {SDBL}	5.7 {*}	130	1.2	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Chromium	mg/kg	18 {SDBL}	18 {SDBL}	1,200{VI}	18 {Total}	12.3	12.0	18.9 (DWP, GSIP, SDBL)	15.4	19.2 (DWP, GSIP, SDBL)	13.3	12.3	14.8	21.7 (DWP, GSIP, SDBL)	18.9 (DWP GSIP, SDBL)	9.50	14.4	9.40	17.9	9.60	17.5
Chromium III	mg/kg	740	18 {SDBL}	390,000	18T	NA	NA	18.9 (GSIP,SDBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	mg/kg	18 {SDBL}	18 {SDBL}	1,200	18T	NA	NA	1.00 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	21 {SDBL}	21 {SDBL}	400	21	3.40	4.70	3.20	4.60	2.70	3.20	4.70	11.6	6.40	8.80	3.30	4.50	2.50	4.30	4.30	5.30
Mercury	mg/kg	0.13 {SDBL}	0.13 {SDBL}	78	0.13	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.143 (DWP,GSIP,SDBL)
Selenium	mg/kg	0.70	0.41 {SDBL}	1,300	0.41	0.630 (GSIP,SDBL)	0.390	0.530 (GSIP,SDBL)	0.580 (GSIP,SDBL)	0.750 (DWP,GSIP,SDBL)	0.580 (GSIP,SDBL)	0.470 (GSIP,SDBL)	0.570 (GSIP,SDBL)	0.770 (DWP,GSIP,SDBL)	0.550 (GSIP,SDBL)	0.560 (GSIP,SDBL)	0.570 (GSIP,SDBL)	0.490 (GSIP,SDBL)	0.640 (GSIP,SDBL)	0.200 U	0.490 (GSIP,SDBL)
Silver	mg/kg	1.0 {SDBL}	1.0 {SDBL}	1,200	1.0	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.110	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.110	0.100 U	0.100 U	0.100 U

TABLE 5a
CONCRETE ANALYTICAL RESULTS-TOTALS

FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
FLINT NORTH - FACTORY 36
FLINT, MICHIGAN

Analytes	NREPA Part 115 Inert Criteria					A,B,C,D Assembly Line Samples					Basement Samples[5]								
	Units	DWP	GSIP	DC	SDBL	FN-36-C5-(031308)CC[8]	FN-36-D2-(031308)CC[8]	FN-36-E5-(031308)CC	FN-36-F2-(031308)CC[7]	FN-36-G5-(031308)CC[8]	FN-36-Aisle1-BSMT-(031408)CC[7]	FN-36-Aisle6-BSMT-(031408)CC	FN-36-Aisle7-BSMT-(031408)CC	FN-36-Aisle10-BSMT-(031408)CC	FN-36-NECorner-BSMT-(031408)CC[8]	FN-36-NMainEntrance-BSMT-(031408)CC	FN-36-NWCorner-BSMT-(031408)CC	FN-36-UnderL12-BSMT-(031408)CC	FN-36-CenterAisle-BSMT-(031408)CC[6]
Sample Decription:						Clean Concrete	Blue Painted Concrete	Clean Concrete	Blue Painted Concrete	Clean Concrete	Clean Concrete	Clean Concrete	Clean Concrete	Clean Concrete	Clean Concrete	Clean Concrete	Clean Concrete	Clean Concrete	Clean Concrete
PCBs																			
Aroclor-1016	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1221	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1232	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1242	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1248	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 UJ	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1254	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 UJ	0.33 U	0.33 U	1.4	0.33 U	1.0	0.33 U	0.50
Aroclor-1260	mg/kg	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Total PCBs	mg/kg	{G}	{G}	1.0	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 (DC)	ND	1.0	ND	0.50
Volatile Organics																			
1,1,1,2-Tetrachloroethane	mg/kg	0.026	{D}	15	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	mg/kg	4	2.4	2,200	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	mg/kg	0.0036	0.64	1.9	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	mg/kg	0.013	1.3	7	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	mg/kg	17	{D}	9,300	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	mg/kg	0.14	0.64	78	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	mg/kg	0.8	{D}	440	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	mg/kg	2.2	0.44	1,200	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	mg/kg	0.0000084	0.022	0.0047	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	12	0.14	6,700	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	mg/kg	0.0076	11	4.3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	mg/kg	0.01	1.3	5.8	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	mg/kg	{ID}	{D}	{ID}	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	12	3.6	6,700	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichloro-2-butene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	0.03	0.3	16	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/kg	6.4	82	3,600	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	mg/kg	20	{D}	11,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	{ID}	{D}	{ID}	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	mg/kg	7	{D}	3,900	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	mg/kg	14	10	7,800	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	mg/kg	0.0013	0.044	0.7	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/kg	0.024	1.2	13	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromobenzene	mg/kg	{ID}	{D}	{ID}	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	mg/kg	0.011	0.48	6.2	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	mg/kg	0.092	1.3	50	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	mg/kg	0.2	0.22	110	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	mg/kg	15	{D}	8,600	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	mg/kg	0.0054	0.42	3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	mg/kg	2.6	1.4	1,500	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	mg/kg	0.18	{D}	100	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	mg/kg	0.11	0.86	62	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	mg/kg	0.054	{D}	30	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	mg/kg	1.5	{D}	860	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	mg/kg	0.0084	0.58	4.7	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	mg/kg	1.5	{D}	860	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	mg/kg	32	{D}	18,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl ether	mg/kg	70	{D}	39,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	mg/kg	1.5	0.62	7,500	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	0.05	0.26	28	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iodomethane	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 5a
CONCRETE ANALYTICAL RESULTS-TOTALS

FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
FLINT NORTH - FACTORY 36
FLINT, MICHIGAN

Analytes		NREPA Part 115 Inert Criteria				A,B,C,D Assembly Line Samples					Basement Samples[5]								
	Units	DWP	GSIP	DC	SDBL	FN-36-C5-(031308)CC[8]	FN-36-D2-(031308)CC[8]	FN-36-E5-(031308)CC	FN-36-F2-(031308)CC[7]	FN-36-G5-(031308)CC[8]	FN-36-Aisle1-BSMT-(031408)CC[7]	FN-36-Aisle6-BSMT-(031408)CC	FN-36-Aisle7-BSMT-(031408)CC	FN-36-Aisle10-BSMT-(031408)CC	FN-36-NECorner-BSMT-(031408)CC[8]	FN-36-NMainEntrance-BSMT-(031408)CC	FN-36-NWCorner-BSMT-(031408)CC	FN-36-UnderL12-BSMT-(031408)CC	FN-36-CenterAisle-BSMT-(031408)CC[8]
Sample Decription:						Clean Concrete	Blue Painted Concrete	Clean Concrete	Blue Painted Concrete	Clean Concrete	Clean Concrete	Clean Concrete	Clean Concrete	Clean Concrete	Clean Concrete	Clean Concrete	Clean Concrete	Clean Concrete	Clean Concrete
Isopropylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	mg/kg	4.6	7.6	2,600	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	mg/kg	0.092	1.2	51	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	5	0.58	9,300	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,m-Xylene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/kg	0.024	0.38	13	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	mg/kg	0.014	0.44	7.8	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	mg/kg	4.6	66	2,600	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	mg/kg	16	2.2	17,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	mg/kg	2.4	6	1,300	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/kg	0.044	1.9	24	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	mg/kg	48	{D}	27,000	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	mg/kg	0.00032	0.062	0.18	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																			
Arsenic	mg/kg	5.8 {SDBL}	5.8 {SDBL}	5.8 {SDBL}	5.8	3.89	3.59	2.60	3.52	4.44	2.93	4.44	2.37	3.74	5.47	3.89	4.08	3.87	3.72
Barium	mg/kg	75 {SDBL}	75 {SDBL}	18,000	75	67.3	65.8	42.7	49.1	80.2 (DWP,GSIP,SDBL)	48.1	91.0 (DWP,GSIP,SDBL)	43.5	54.3	61.9	76.9 (DWP,GSIP,SDBL)	54.8	48.8	69.5
Cadmium	mg/kg	1.2 {SDBL}	5.7 {*}	130	1.2	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Chromium	mg/kg	18 {SDBL}	18 {SDBL}	1,200{VI}	18 {Total}	24.8 (DWP, GSIP, SDBL)	21.0 (DWP, GSIP, SDBL)	15.9	14.1	41.2 (DWP, GSIP, SDBL)	12.6	18.0	11.1	12.1	16.1	14.3	13.5	15.0	47.9 (DWP, GSIP, SDBL)
Chromium III	mg/kg	740	18 {SDBL}	390,000	18T	NA	19.3 (GSIP,SDBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	mg/kg	18 {SDBL}	18 {SDBL}	1,200	18T	NA	1.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	21 {SDBL}	21 {SDBL}	400	21	10.9	6.00	7.30	6.60	3.60	2.80	4.90	2.60	4.10	4.70	6.40	4.40	3.40	22.8 (DWP, GSIP,SDBL)
Mercury	mg/kg	0.13 {SDBL}	0.13 {SDBL}	78	0.13	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Selenium	mg/kg	0.70	0.41 {SDBL}	1,300	0.41	0.490 (GSIP,SDBL)	0.200 U	0.430 (GSIP,SDBL)	0.660 (GSIP,SDBL)	0.610 (GSIP,SDBL)	0.630 (GSIP,SDBL)	0.200 U	0.320	0.240	0.320	0.200 U	0.300	0.200 U	0.250
Silver	mg/kg	1.0 {SDBL}	1.0 {SDBL}	1,200	1.0	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.120	0.140	0.110	0.110	0.120	0.120	0.120	0.110	0.100 U

TABLE 5a
CONCRETE ANALYTICAL RESULTS - TOTALS

FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
FLINT NORTH - FACTORY 36
FLINT MICHIGAN

Qualifier Type	Lab Qualifiers	Definition
Inorganic	J	Indicates estimated value less than reporting limit, but greater than MDL.
Inorganic	ND	None detected.
Inorganic	U	The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
Organic	J	Indicates estimated value less than reporting limit, but greater than MDL.
Organic	ND	None detected.
Organic	U	The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
Organic	Y	Indicates elevated reporting limit due to high target concentration.

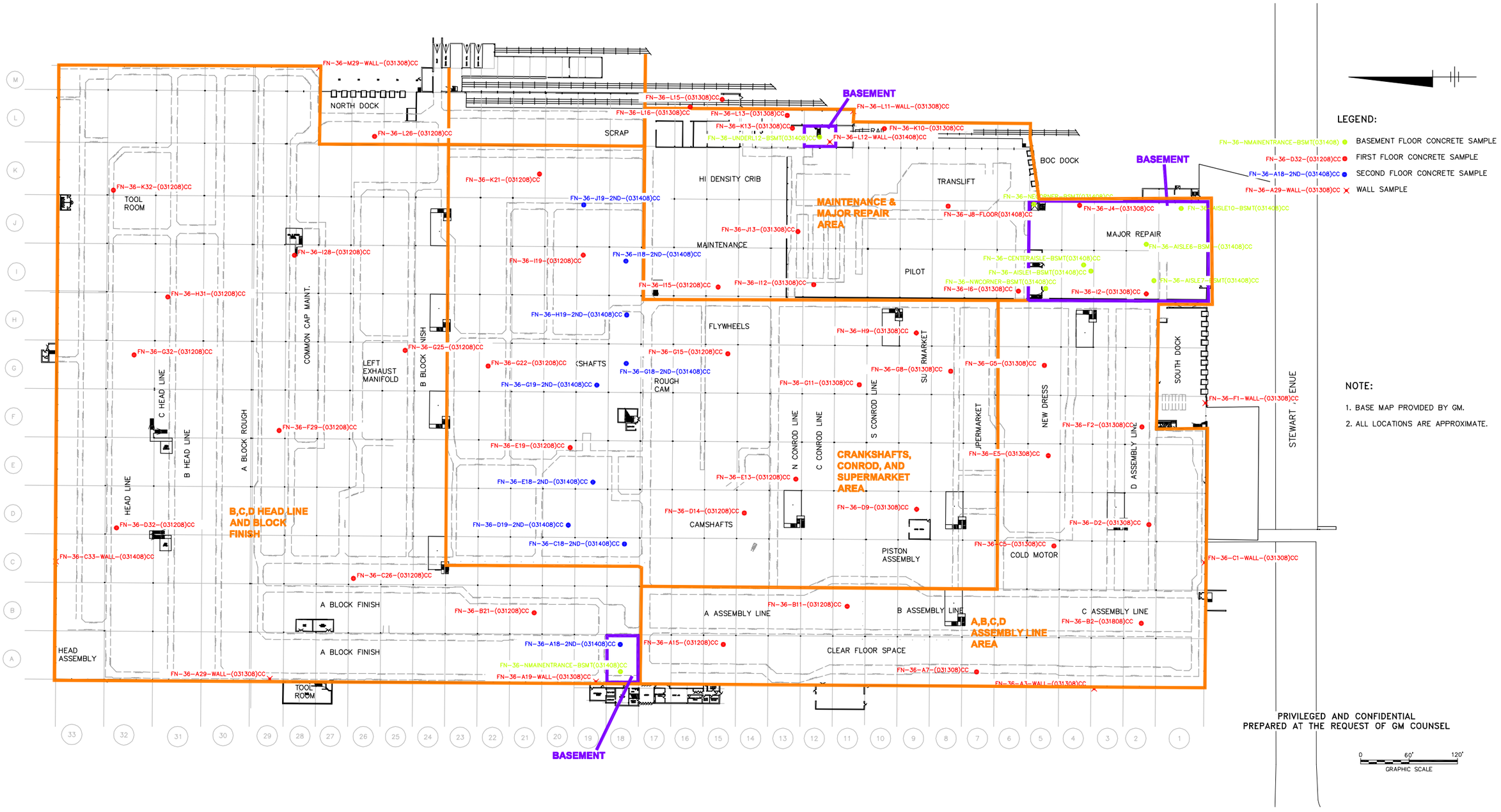
Notes:

Samples were collected by ARCADIS on 3/12/2008, 3/13/2008, and 3/14/2008 and submitted to Merit Laboratories in East Lansing, Michigan.
All concentrations are reported as parts per million (ppm) or mg/kg
DWP = Act 307 Type B Soil Cleanup Criteria, 20 x Drinking Water Value
GSIP = Act 307 Type B Soil Cleanup Criteria, 20 x Groundwater Surfacewater Value
DC = Act 307 Type B Soil Cleanup Criteria, Direct Contact Value {Rule 711(5)}
SDBL = NREPA Part 201, 1994 PA 451 Statewide Default Background Level
PCB = Polychlorinated Biphenyl
T = Total
ND = Not detected
na = not analyzed
NA = Not Applicable

* Calculated during RFI Activities at GM NAO Flint using the Generic Facility-Specific Part 201 Groundwater Surface Water Interface (GSI) Criteria for {G} footnoted hazardous substances.
{SDBL} Background, as defined in Rule 701(c), may be substituted as the cleanup criteria if higher than the Type B cleanup criterion.
{D} Chemical has either not been evaluated or an inadequate data base precludes the development of a GSI value. MDNR should be contacted to determine whether a chemical is being evaluated or has been evaluated since this list was prepared. If no value exists, the responsible party (RP) may develop a proposed GSI value for MDNR review and approval. Guidance can be obtained from MDNR. If a GSI value cannot be developed from data in the scientific literature, the RP can either perform a Type A cleanup or generate the minimum toxicity data required to develop the GSI value.
{G} Chemical, due to its physicochemical properties, is not expected to leach through soils to groundwater under most conditions. Therefore, the direct contact soil criterion is considered to be protective of groundwater. However, the presence of organic solvents in the soil may increase the solubility of these chemicals, thereby increasing their potential to leach from soil to groundwater. Under these conditions site-specific leachate testing may be required.
{ID} Inadequate data to develop criterion.
{J} Valence-specific chromium data (Cr III and Cr VI) must be compared to the same valence-specific cleanup criteria. If analytical data are provided for "total" chromium only, then values for chromium VI must be applied as the cleanup criteria. Chromium III cleanup criteria can only be used at sites where groundwater is prevented from being used as public water supply, currently or in the future.
{Q} Basis for the GSI value is the National Toxics Rule (NTR). The NTR value was either more restrictive than the Rule 57 value or a Rule 57 value was not available
Exceeds DWP, GSIP or DC, and SDBL criteria
- - No criteria available

Notes:

1. UCL calculations were performed on arsenic results for this homogeneous area. SPLP analysis was performed to address criterion. Refer to Table 4b for UCL results.
2. UCL calculations were performed on chromium results for this homogeneous area. SPLP analysis was performed to address criterion. Refer to Table 4b for UCL results.
3. UCL calculations were performed on barium, chromium, and selenium results for this homogeneous area. SPLP analysis was performed to address criterion. Refer to Table 4b for UCL results.
4. UCL calculations were performed on arsenic, barium, and chromium results for this homogeneous area. SPLP analysis was performed to address criterion. Refer to Table 4b for UCL results.
5. UCL calculations were performed on barium, lead, and selneium results for this homogeneous area. SPLP analysis was performed to address criterion. Refer to Table 4b for UCL results.
6. UCL calculations were performed on chromium results for this homogeneous area. SPLP analysis was performed to address criterion. Refer to Table 4b for UCL results.
7. Total concrete sample result exceeds one or more generic criteria. UCL and/or SPLP analysis was performed and results meet Part 115 inert criteria.
8. Concrete sample result exceeds one or more generic inert criteria. Further evaluation required to document material to be inert in accordance with NREPA Part 115.



LEGEND:

- FN-36-NMAINENTRANCE-BSMT(031408) ● BASEMENT FLOOR CONCRETE SAMPLE
- FN-36-D32-(031208)CC ● FIRST FLOOR CONCRETE SAMPLE
- FN-36-A18-2ND-(031408)CC ● SECOND FLOOR CONCRETE SAMPLE
- FN-36-A29-WALL-(031308)CC × WALL SAMPLE

NOTE:

1. BASE MAP PROVIDED BY GM.
2. ALL LOCATIONS ARE APPROXIMATE.

PRIVILEGED AND CONFIDENTIAL
PREPARED AT THE REQUEST OF GM COUNSEL

0 60' 120'
GRAPHIC SCALE

GENERAL MOTORS CORPORATION
FLINT NORTH - FACTORY 36
FACILITY ENVIRONMENTAL ASSESSMENT

CONCRETE SAMPLE LOCATIONS

ARCADIS

FIGURE 5

CITY: BRIGHTON DIVGROUP: 85 DB: ADF LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
J:\2008\B0086853\000\001\DWG\86853B04.dwg LAYOUT: 2SAVED: 6/11/2008 2:19 PM ACADVER: 17.1S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 6/11/2008 2:19 PM BY: FOX, AARON
XREFS: 86853X00 86853X01 IMAGES: PROJECTNAME: ---

Attachment 2

Block 2 AOI Summary and Concrete Results

TABLE 2
GENERAL MOTORS CORPORATION
NAO-FLINT OPERATIONS - FLINT, MICHIGAN

DESCRIPTION OF CURRENT CONDITIONS FOR AREAS NORTH OF LEITH STREET

SUMMARY OF AREAS OF INTEREST (AOIs)

AOI Id.	AOI Summary Description
Building 38 Area	
38-1	Northern portion of Building 38, including several process waste sumps, trenches, former car lifts, and a former 8,000-gallon fuel oil UST.
Factory 36 Area	
36-1	Northern and central portions of Building 36, involving various active engine manufacturing process, including various "wet" (i.e., use of cutting and/or cooling oils) and "dry" (i.e., no use of cutting and/or cooling oils) metal machining operations. Due to the nature of the operations (i.e., full production), it is difficult to visually assess whether releases have occurred.
36-2	Basement area located along the east side of the central portion of Building 36, involving a former metal chip processing operation used to separate residual cutting and cooling oils from metal machining chips. Free-floating product is located immediately downgradient of this basement area.
36-3	Basement area located beneath the southeastern corner of Building 36, involving a final engine assembly area, several ancillary, main process waste oil collection/processing operations, and several former ASTs and USTs identified on the 1973 and 1991 Site Drawings. Oil has been historically observed on the floor of the basement at various locations.
36-4	Southcentral and southeastern portions of the Building 36, involving a former "wet" (i.e., use of cutting and/or cooling oils) metal machining operation and several active engine assembly operations. Trenches associated with these operations routinely contain standing oil, and the integrity of such trenches is unknown.
36-5	Area located immediately south of AOI 36-5 involving a former UST farm and active AST farm, as well as a 6' wide x 6' high subsurface tunnel which connected the former UST farm with Building 36. A prior release(s) from the UST farm in this area has been documented, and floor staining has been observed in the tunnel.
Buildings 55, 55A, and 55B Area	
55-1	Overall area of the Site's process wastewater treatment facilities, involving various waste oil storage facilities, clarifiers, mixing tanks, etc. Past investigations of this area have indicated impacts to underlying soil and groundwater, presumably resulting from a release(s) from these facilities.
Factory 10 Area	
10-1	Overall area of Building 20, including its basement areas, manufacturing operations, external areas immediately surrounding the building, and several tanks identified on the 1973 and 1991 Site Drawings. Past investigations of the Building 20 Area have indicated impacts to underlying soil and groundwater resulting from releases from associated operations.
10-2	Solid waste transfer station located immediately east of Building 20 and immediately south of Building 22 and Tanks 24 and 25 identified on the 1973 Site Drawing. Residual oil draining from solid waste stored in the solid waste transfer station occasionally collects on the concrete pavement of this area, which has numerous cracks and fissures. Residual oil is recovered via a centrally located pit that is routinely emptied.
10-3	Basement area of Building 22, including two process waste oil sumps which collect oil leaks from compressors via floor drains, and Tank 24-1 identified on the 1991 Site Drawing.
10-4	Scrapyard area located immediately south of Building 20 used since 1950 for scrap material storage, vehicle dismantling, and vehicle equipment storage. Past investigations of this area have indicated impacts to underlying soil and groundwater resulting from releases from associated operations.
Factory 05 Area	
05-1	Basement area located along the southeast portion of Building 43, involving a metal machining chip processing operation and several process wastewater system sumps and tanks. Free-floating product is located immediately adjacent to this basement area.
05-2	Central east portion of Building 43, involving a "Filtration Room," an "Oil Room," a below-grade vault, and an elevator pit. Over 2 feet of oil material has been noted on occasion within the below-grade vault in this area. The source of this material is unknown; however, it may be associated with the adjacent Oil Room and/or Filtration Room.

TABLE 2
GENERAL MOTORS CORPORATION
NAO-FLINT OPERATIONS - FLINT, MICHIGAN

DESCRIPTION OF CURRENT CONDITIONS FOR AREAS NORTH OF LEITH STREET

SUMMARY OF AREAS OF INTEREST (AOIs)

AOI Id.	AOI Summary Description
05-3	Basement area of Building 43 beneath transmission component heat treating operations, containing a relatively large process waste oil sump, various other smaller sumps and drains, and intermittent pooling of oil on floor surfaces, as well as several former and existing ASTs and USTs located along the east side of the basement area.
05-4	"Cold Former Room," involving various metal forming operations utilizing various process oils and other fluids and recirculation trenches and sumps.
05-5 and 05-6	Southern and northern portions of Building 43 (respectively), involving various active process machinery, collection trenches, and sumps (both "wet" and "dry" operations). Due to the nature of the operations (i.e., full production), it is difficult to visually assess whether releases have occurred.
Factory 03 Area	
03-1	Overall area of the Factory 03 building complex, including various quenching and cooling oil systems utilized for various metal forging, quenching, and cooling operations, as well as various ancillary process waste sumps, process trenches, elevator pits, and process material storage areas. Past investigations of this area have indicated impacts to underlying soil and groundwater resulting from releases from associated operations.
Buildings 65 and 99 Area	
65-1	Overall area of Building 65, involving a main process waste pump station (Waste Station #5) for the Site's process wastewater treatment system. Oil has been historically observed on the floor of the basement at various locations.
Factory 81 Area	
81-1	Basement area beneath the southern and central portions of Building 71B, involving three metal machining chip/cooling and cutting oil filtration/processing operations, as well as an inactive hydraulic elevator, several process waste oil sumps and tanks, a drum storage area, and an inactive hazardous waste storage area. Oils intermittently pool throughout the basement area.
81-2	Area of active metal welding and machining and torque converter assembly operations performed in Buildings 70, 70B, 71, 72, 73, 73A, 73B, and 74 (both "wet" and "dry" operations), as well as area of former foundry operations performed in northern portion of Building 70 and areas of former "pig iron" and scrap steel storage immediately east of Buildings 70 and 73, respectively. Free-floating product is located immediately adjacent to Building 73.
81-3	Basement area of Building 70, involving former foundry operations, as well as an elevator pit along the west side of Building 70A, areas of "wet" metal machining operations in eastern portion of Building 73, and a forklift battery charging area in the northwest portion of Building 69. Floor staining noted within basement area; the integrity of basement floor is unknown.
81-4	Basement areas of Buildings 69A and 69B, involving facility air compressor operations. Past operations within this basement involved the draining of oils from compressors onto the floor; the integrity of basement floor is unknown.
81-5	Tanks 69A-1 through 69A-4 and 116, 117, 118, and 142 identified on the 1973 and 1991 Site Drawings and Tanks 86-1 through 86-5 identified on the 1991 Site Drawing. The concrete secondary containment area associated with these tanks contain standing transmission fluid, and the integrity of this containment is unknown.
Factory 83/84 Area	
83/84-1 through 83/84-3	Areas of various former and existing machining operations in Buildings 11, 32 (including two basements), and 66A/66D (both "wet" and "dry" operations). A prior release within Building 32 has been documented.
83/84-4	Former "wet" metal machining operation in central portion of Building 66, including three process oil collection/recirculation sumps, and an inactive rail loading area and associated floor sumps along the north side of Building 66C. The floor of the loading area is saturated with oil, and the associated floor sumps still contain oil (integrity unknown).
83/84-5	Various inactive or former process trenches and pits and an inactive heat treating tunnel, all in Building 66. Many of these units still contain various oils and/or other process fluids, and the integrity of these units is unknown.
83/84-6	Forklift battery charging area and associated trench and pit in central portion of Building 83A (contain oil) and drum storage area in the southern portion of Building 83 used for metal-working fluids and corrosion inhibitors (floor staining).

Attachment 2. Parcel 2 Buick City Concrete Results

Results of concrete analytical testing on former building slabs and walls within Parcel 2 at the RACER Buick City Site are discussed below and any potential issues are noted. Locations of the former buildings are shown on **Figure 2** of the memo. The summaries are followed by the analytical testing results.

Wastewater Treatment Plant

Metals: GSIP and DWP exceedances - no issue as sitewide groundwater restriction will be in place. DC exceedances will be addressed with appropriate cover material.

PCBs: All concentrations less than 1 ppm.

Plant 10 (Factory 10)

Metals: Obrien and Gere report indicates four samples exceed “RCRA Metals Guidelines”, although no data provided. Data from Arcadis (64 samples) indicates some GSIP and DWP exceedances. If concentrations exceed GSIP and DWP exceedances - no issue even if concrete is crushed and put back in place, as sitewide groundwater restriction will be in place. One DC exceedances of lead out of 64 samples. Since Factory 10 is within AOC, material can be managed without hazardous waste generation issues. All crushed concrete will properly covered following placement.

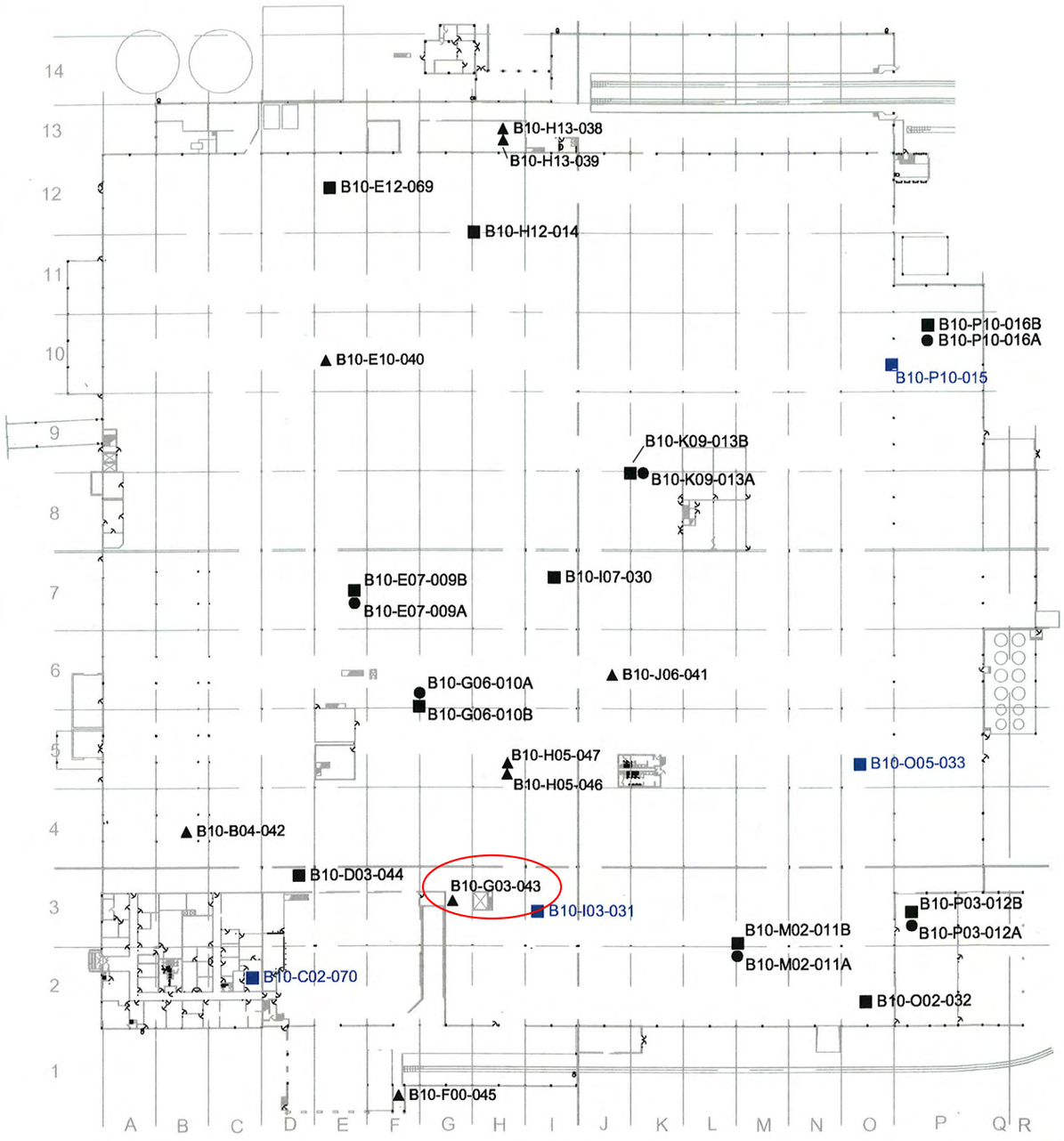
PCBs: Multiple concrete sample concentration exceeded 1 ppm. Samples greater than 10 ppm were disposed of off-site. Concrete exhibiting concentrations between 1 and 10 ppm were placed in the basement of Factory 10, covered with soil and aggregate, and a Restrictive Covenant was placed on this material (PCB Area #18).

Factory 81

Metals: GSIP and DWP exceedances - no issue as sitewide groundwater restriction will be in place. In addition, report indicates two samples exceed “RCRA Metals Guidelines”, although no data provided.

PCBs: One sample exceeded TSCA criteria and was removed for off-site disposal.

I:\Mlc.14774\46381.Mlc-Flnt-North\Docs\DWG\PLANT 10\SAMPLE LOCATIONS 10



NOTES
1. LAYOUT AREA AND SAMPLE LOCATIONS ARE APPROXIMATE
2. WIPE TSCA PCB CRITERIA = 10 ug/100cm^2
3. BULK TSCA PCB CRITERIA = 50,000 ug/kg
4. BULK RCRA METAL GUIDELINE = 20 TIMES MAXIMUM CONCENTRATION OF CONTAMINANTS FOR TOXICITY CHARACTERISTICS

10/12/10 TJK DIV.078

FIGURE 3

North

LEGEND

- ● WIPE SAMPLE CONCENTRATION BELOW TSCA PCB
- ■ BULK SAMPLE CONCENTRATION BELOW TSCA PCB AND/OR RCRA METAL GUIDELINE
- ▲ CONCRETE/WOODBLOCK/MASTIC SAMPLE BELOW TSCA PCB AND/OR RCRA METAL GUIDELINE
- BLUE COLOR DENOTES SAMPLE CONCENTRATION IS ABOVE RCRA METAL GUIDELINE
- RED COLOR DENOTES SAMPLE CONCENTRATION IS ABOVE TSCA PCB CRITERIA

MOTORS LIQUIDATION CORPORATION
PLANT 10
FLINT, MI

PLANT 10 SITE MAP WITH SAMPLE LOCATIONS

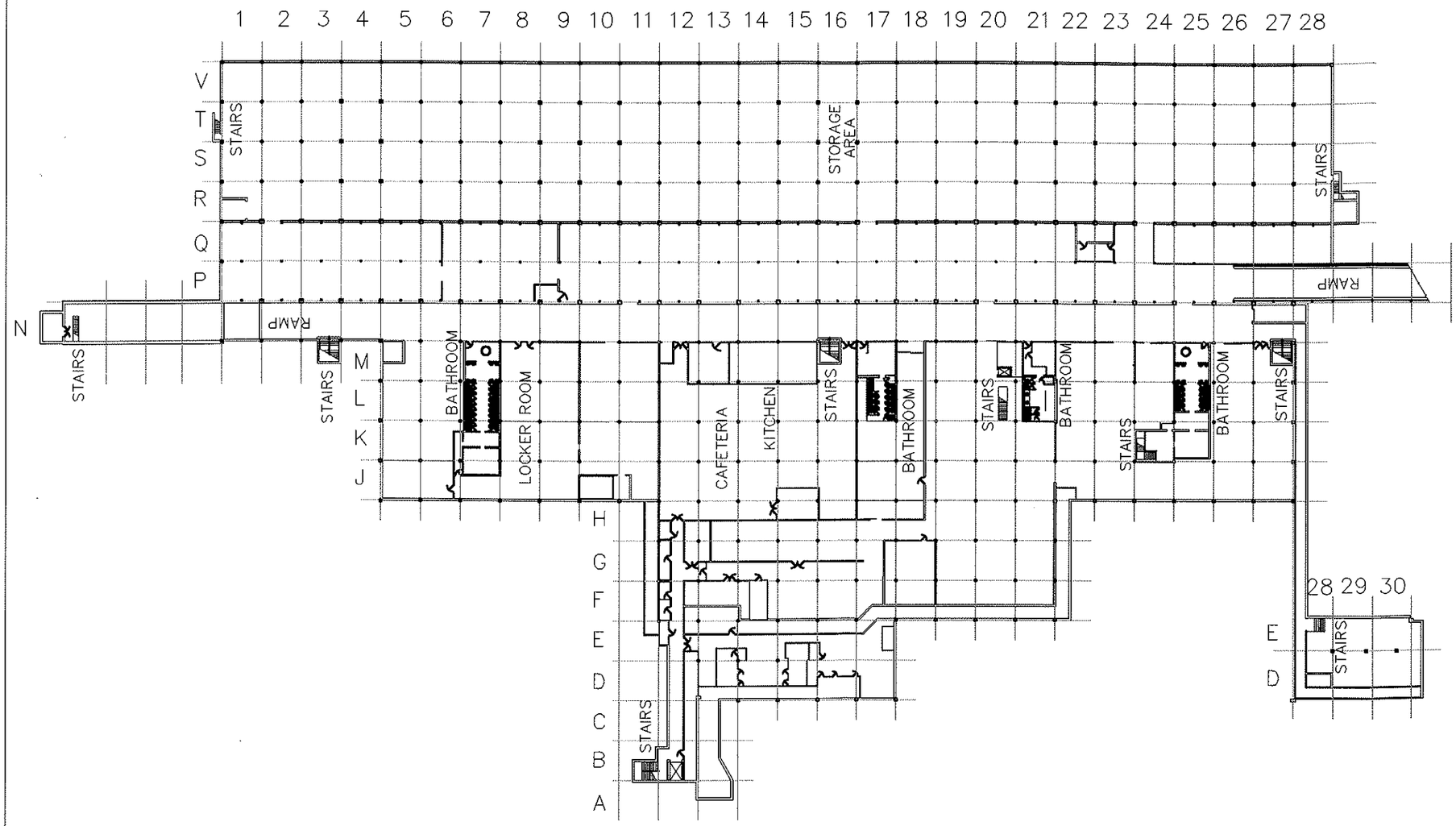
1"=100' 100 0 100

FILE NO. 14774.46381-001
OCTOBER 2010

O'BRIEN & GERE

t:\Mlc.14774\46381.Mlc-Fnt-North\Docs\DWG\Plant 10\Plant 10 Basement layout

FIGURE 4



NOTES
COORDINATE SYSTEM IS NOT REPRESENTATIVE OF FIELD COORDINATES

NORTH

MOTORS LIQUIDATION CORPORATION
FLINT, MI

PLANT 10
BASEMENT LAYOUT

1"=60' 60 0 60

FILE NO. 14774.46381-001
11/22/10

OBRIEN & GERE

11/22/10 TJK Div. 078

MLC Flint North
Plant 10
Structure
FEA

Table 3

IOI AREA	IOI Item	Factory	FLOOR	LOCATION BAY	LOCATION COLUMN	CONTENTS/COMMENTS	SAMPLE REQ? (Y/N)	SAMPLE PARAMETERS	SAMPLE ID	Results
CYL	Fire Extinguisher	10	B			Various locations				
CYL	Fire Extinguisher	10	R			Various locations				
CYL	Halon 1301 Fire Extinguishing Sys	10	M			For Computer Room				
CYL	Oxygen	10	1			Various locations				
DRN	Floor Drains	10	1			Throughout facility				
DUC	Air Handling Systems	10	B			Abandoned				
DUC	Duct Systems	10	M			Throughout facility				
DUC	Duct Systems	10	1			Throughout facility				
DUC	Exhaust/Ducts	10	R			Active and decommissioned units				
DUS	Dust	10	1			Throughout facility				
DUS	Dust/Paint Sample on Truss	10	M			Throughout factory				
FFL	Fluid Fill Lines	10	1			On east side of facility				
FLR	Brick Floor	10	1			Various locations throughout factory				
FLR	Concrete Floor	10	1	E	10	Oil Stained	Y	PCB	B10-E10-040	<1000 µg/Kg
FLR	Concrete Floor	10	1	J	6	Possible contamination	Y	PCB	B10-J06-041	<1000 µg/Kg
FLR	Concrete Floor	10	1	B	4	Possible contamination	Y	PCB	B10-B04-042	<1000 µg/Kg
FLR	Concrete Floor	10	1	G	3	Possible contamination	Y	PCB	B10-G03-043	1500 µg/Kg
FLR	Concrete Floor	10	1	F	0	Possible contamination	Y	PCB	B10-F00-045	<1000 µg/Kg
FLR	Wood Block Floor	10	1	H	13	Possible contamination	Y	PCB	B10-H13-039	7000 µg/Kg
FLR	Wood Block Floor	10	1	H	5	Possible contamination	Y	PCB	B10-H05-046	1400 µg/Kg
FLR	Wood Block Floor Mastic	10	1	H	13	Possible contamination	Y	PCB	B10-H13-038	25000 µg/Kg
FLR	Wood Block Floor Mastic	10	1	H	5	Possible contamination	Y	PCB	B10-H05-047	2000 µg/Kg
FTR	Air Filters	10	1			On manufacturing equipment throughout				

TABLE 3B
BRICK, BLOCK AND CONCRETE LABORATORY ANALYTICAL RESULTS - FACTORIES 5, 10 AND 81

DEACTIVATION REPORT
RACER TRUST
BUICK CITY - NORTHEND
FLINT, MICHIGAN

Analytes	Units	SAMPLE ID										
		F30-YELLOW (080211)-SD-1	F30-ELEVATOR (080211)-SD-2	F30-GREEN (080211)-SD-3	F30-WHITE (080211)-SD-4	81-SWFB(83011)CC	81-SWEB(83011)CC	81-SWEW(83011)CC	81-SWDW(83011)CC	81-SWDB(83011)CC	81-SWCCB(83011)CC	81-SWCPDB(83011)CC
Sample Date		**8/2/11**	**8/2/11**	**8/2/11**	**8/2/11**	**8/30/11**	**8/30/11**	**8/30/11**	**8/30/11**	**8/30/11**	**8/30/11**	**8/30/11**
PCBs												
Aroclor-1016	mg/kg	0.016 U	0.016 U	0.016 U	0.016 U	0.017 U	0.017 U	0.016 U	0.016 U	0.016 U	0.032 U	0.033 U
Aroclor-1221	mg/kg	0.016 U	0.016 U	0.016 U	0.016 U	0.017 U	0.017 U	0.016 U	0.016 U	0.016 U	0.032 U	0.033 U
Aroclor-1232	mg/kg	0.016 U	0.016 U	0.016 U	0.016 U	0.017 U	0.017 U	0.016 U	0.016 U	0.016 U	0.032 U	0.033 U
Aroclor-1242	mg/kg	0.016 U	0.016 U	0.016 U	0.016 U	0.017 U	0.017 U	0.016 U	0.016 U	0.016 U	0.032 U	0.033 U
Aroclor-1248	mg/kg	0.016 U	0.016 U	0.016 U	0.016 U	0.017 U	0.017 U	0.016 U	0.016 U	0.016 U	0.032 U	0.033 U
Aroclor-1254	mg/kg	0.016 U	0.029	0.016 U	0.016 U	0.017 U	0.017 U	0.016 U	0.016 U	0.016 U	0.032 U	0.033 U
Aroclor-1260	mg/kg	0.016 U	0.016 U	0.016 U	0.016 U	0.017 U	0.017 U	0.016 U	0.016 U	0.016 U	0.032 U	0.033 U
Total PCBs	mg/kg	0.016 U	0.029	0.016 U	0.016 U	0.017 U	0.017 U	0.016 U	0.016 U	0.016 U	0.032 U	0.033 U
Inorganics												
Arsenic	mg/kg	1.3	2.5	0.99 U	0.95	4.0	3.5	2.5	3.4	3.1	4.1	3.8
Barium	mg/kg	91	830	21	19	200	190	210	170	36	37	35
Cadmium	mg/kg	0.2	0.19 U	0.20 U	0.19 U	1.0	0.19	0.18	0.11	0.16	0.24	0.28
Chromium	mg/kg	6.5	9.3	3.6	4.3	6.2	6.3	9.1	6.7	8.1	15	17
Copper	mg/kg	13	13	3.5	3.0	6.4	7.8	4.1	5.9	7.2	12	20
Lead	mg/kg	6.5	57	3.0	2.7	81	7.3	3.3	2.6	2.7	3.0	2.8
Mercury	mg/kg	0.17	0.072	0.081	0.077	0.075	0.015	0.45	0.019	0.16	0.69	0.25
Selenium	mg/kg	0.91 U	0.93 U	0.99 U	0.95 U	0.99 U	0.91 U	0.65	0.76	0.96 U	0.97 U	0.98 U
Silver	mg/kg	0.45 U	0.47 U	0.49 U	0.48 U	0.091	0.46 U	0.15	0.12	0.48 U	0.49 U	0.099
Zinc	mg/kg	140	340	6.6	10	180	74 (SDBL)	7.4	7.7	17	20	28

TABLE 3B
BRICK, BLOCK AND CONCRETE LABORATORY ANALYTICAL RESULTS - FACTORIES 5, 10 AND 81

DEACTIVATION REPORT
RACER TRUST
BUICK CITY - NORTHEND
FLINT, MICHIGAN

Analytes	Units	SAMPLE ID										
		81-SWGB(83011)CC	81-SWGW(83011)CC	81-SWFW(83011)CC	81-EWL3B(83011)CC	81-EWL4C(83011)CC	81-NWCB(82911)CC	81-NWBB(82911)CC	81-NWAB(82911)CC	81-NWAW(82911)CC	81-NWBCURB(82911)CC	81-NWBW(82911)CC
Sample Date		**8/30/11**	**8/30/11**	**8/30/11**	**8/30/11**	**8/30/11**	**8/29/11**	**8/29/11**	**8/29/11**	**8/29/11**	**8/29/11**	**8/29/11**
PCBs												
Aroclor-1016	mg/kg	0.016 U	0.016 U	0.016 U	0.032 U	0.033 U	0.016 U	0.016 U	0.031 U	0.016 U	0.017 U	0.032 U
Aroclor-1221	mg/kg	0.016 U	0.016 U	0.016 U	0.032 U	0.033 U	0.016 U	0.016 U	0.031 U	0.016 U	0.017 U	0.032 U
Aroclor-1232	mg/kg	0.016 U	0.016 U	0.016 U	0.032 U	0.033 U	0.016 U	0.016 U	0.031 U	0.016 U	0.017 U	0.032 U
Aroclor-1242	mg/kg	0.016 U	0.016 U	0.016 U	0.032 U	0.033 U	0.016 U	0.016 U	0.031 U	0.016 U	0.017 U	0.032 U
Aroclor-1248	mg/kg	0.016 U	0.016 U	0.016 U	0.032 U	0.033 U	0.016 U	0.016 U	0.031 U	0.016 U	0.017 U	0.032 U
Aroclor-1254	mg/kg	0.016 U	0.016 U	0.016 U	0.032 U	0.033 U	0.016 U	0.016 U	0.031 U	0.016 U	0.017 U	0.032 U
Aroclor-1260	mg/kg	0.016 U	0.016 U	0.016 U	0.032 U	0.033 U	0.016 U	0.016 U	0.031 U	0.016 U	0.017 U	0.032 U
Total PCBs	mg/kg	0.016 U	0.016 U	0.016 U	0.032 U	0.033 U	0.016 U	0.016 U	0.031 U	0.016 U	0.017 U	0.032 U
Inorganics												
Arsenic	mg/kg	3.4	2.9	4.1	3.2	2.8	4.2	3.3	4.0	5.0	3.7	4.1
Barium	mg/kg	430	300	160	51	34	650	87	61	100	41	41
Cadmium	mg/kg	0.25	0.18	0.14	0.30	0.26	0.23	0.11	0.20	0.22	0.32	0.20
Chromium	mg/kg	7.2	9.3	7.7	16	39	53	15	11	12	25	15
Copper	mg/kg	5.8	7.4	7.0	190	10	20	23	11	11	18	7.9
Lead	mg/kg	23	25	3.3	4.8	100	200	2.5	5.1	7.9	65	3.5
Mercury	mg/kg	0.011	0.096	0.23	0.028	0.0070	0.011	0.016 U	0.21	0.094	0.016 U	0.032
Selenium	mg/kg	0.90 U	0.99 U	0.74	0.93 U	0.95 U	0.92 U	0.96 U	0.99 U	0.87 U	0.96 U	0.85 U
Silver	mg/kg	0.45 U	0.084	0.14	0.46 U	0.47 U	0.46 U	0.48 U	0.49 U	0.44 U	0.48 U	0.43 U
Zinc	mg/kg	170	100	9.0	20	16	260	20	34	45	34	19

TABLE 3B
BRICK, BLOCK AND CONCRETE LABORATORY ANALYTICAL RESULTS - FACTORIES 5, 10 AND 81

DEACTIVATION REPORT
RACER TRUST
BUICK CITY - NORTHEND
FLINT, MICHIGAN

Analytes	Units	SAMPLE ID										
		81-NWCW(82911)CC	81-NWDB(82911)CC	81-NWDW(82911)CC	81-NWECURB(82911)CC	81-WWA27(82911)CC	81-WWA26(82911)CC	81-WWA25(82911)CC	81-WWA24(82911)CC	81-WWA23(82911)CC	81-WWRNFA22B(82911)CC	81-WWA20(82911)CC
Sample Date		8/29/11	8/29/11	8/29/11	8/29/11	8/29/11	8/29/11	8/29/11	8/29/11	8/29/11	8/29/11	8/29/11
PCBs												
Aroclor-1016	mg/kg	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U	0.016 U	0.017 U	0.032 U	0.033 U	0.017 U	0.016 U
Aroclor-1221	mg/kg	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U	0.016 U	0.017 U	0.032 U	0.033 U	0.017 U	0.016 U
Aroclor-1232	mg/kg	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U	0.016 U	0.017 U	0.032 U	0.033 U	0.017 U	0.016 U
Aroclor-1242	mg/kg	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U	0.016 U	0.017 U	0.032 U	0.033 U	0.017 U	0.016 U
Aroclor-1248	mg/kg	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U	0.016 U	0.017 U	0.032 U	0.033 U	0.017 U	0.016 U
Aroclor-1254	mg/kg	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U	0.016 U	0.017 U	0.032 U	0.033 U	0.017 U	0.016 U
Aroclor-1260	mg/kg	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U	0.016 U	0.017 U	0.032 U	0.033 U	0.017 U	0.016 U
Total PCBs	mg/kg	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U	0.016 U	0.017 U	0.032 U	0.033 U	0.017 U	0.016 U
Inorganics												
Arsenic	mg/kg	8.5	4.1	0.40	2.9	2.6	3.9	3.0	3.9	3.1	2.8	1.0
Barium	mg/kg	120	540	21	54	57	150	44	38	36	36	74
Cadmium	mg/kg	0.22	3.9	0.18 U	0.40	0.21	0.19	0.36	0.22	0.17	0.10	0.069
Chromium	mg/kg	17	44	4.7	79	8.4	16	36	13	13	8.1	5.3
Copper	mg/kg	12	12	3.1	40	20	15	19	18	9.1	6.9	2.9
Lead	mg/kg	45	440	10	330	9.1	15	94	5.3	6.6	2.8	11
Mercury	mg/kg	0.059	0.35	0.018	0.013	0.0053	0.094	0.014 U	0.047	0.022	0.63	0.0094
Selenium	mg/kg	0.97 U	0.86 U	0.90 U	0.95 U	0.93 U	0.91 U	0.89 U	0.89 U	0.93 U	0.90 U	0.94 U
Silver	mg/kg	0.48 U	0.080	0.45 U	0.47 U	0.47 U	0.46 U	0.45 U	0.44 U	0.47 U	0.45 U	0.47 U
Zinc	mg/kg	56	640	9.1	57	25	65	51	17	15	17	31

TABLE 3B
BRICK, BLOCK AND CONCRETE LABORATORY ANALYTICAL RESULTS - FACTORIES 5, 10 AND 81

DEACTIVATION REPORT
RACER TRUST
BUICK CITY - NORTHEND
FLINT, MICHIGAN

Analytes	Units	SAMPLE ID										
		81-EWN37W(9611)CC	81-EWN34B (9611)CC	81-EWN27B (9611)CC	81-EWN30W (9611)CC	81-EWL15B (9611)CC	81-EWL18C (9611)CC	81-EWN23W (9611)CC	81-EWL7B8 (9611)CC	81-EWL8B (9611) CC	81-EWL13B (9611)CC	81-EWL4B (9611)CC
Sample Date		**9/6/11**	**9/6/11**	**9/6/11**	**9/6/11**	**9/6/11**	**9/6/11**	**9/6/11**	**9/6/11**	**9/6/11**	**9/6/11**	**9/6/11**
PCBs												
Aroclor-1016	mg/kg	0.016 U	0.016 U	0.016 U	0.017 U	0.16 U	0.33 U	0.016 U	0.017 U	0.033 U	0.033 U	0.033 U
Aroclor-1221	mg/kg	0.016 U	0.016 U	0.016 U	0.017 U	0.16 U	0.33 U	0.016 U	0.017 U	0.033 U	0.033 U	0.033 U
Aroclor-1232	mg/kg	0.016 U	0.016 U	0.016 U	0.017 U	0.16 U	0.33 U	0.016 U	0.017 U	0.033 U	0.033 U	0.033 U
Aroclor-1242	mg/kg	0.016 U	0.016 U	0.016 U	0.017 U	0.16 U	0.33 U	0.016 U	0.017 U	0.033 U	0.033 U	0.033 U
Aroclor-1248	mg/kg	0.016 U	0.016 U	0.016 U	0.017 U	0.16 U	0.33 U	0.016 U	0.017 U	0.033 U	0.033 U	0.033 U
Aroclor-1254	mg/kg	0.016 U	0.016 U	0.016 U	0.017 U	0.16 U	0.33 U	0.016 U	0.017 U	0.033 U	0.033 U	0.033 U
Aroclor-1260	mg/kg	0.016 U	0.016 U	0.016 U	0.017 U	0.16 U	0.33 U	0.016 U	0.017 U	0.033 U	0.033 U	0.033 U
Total PCBs	mg/kg	0.016 U	0.016 U	0.016 U	0.017 U	0.16 U	0.33 U	0.016 U	0.017 U	0.033 U	0.033 U	0.033 U
Inorganics												
Arsenic	mg/kg	4.9	1.2	1.1	1.1	4.7	5.1	3.6	4.6	4.9	5.4	4.5
Barium	mg/kg	220	720	18	19	39	47	29	23	51	68	25
Cadmium	mg/kg	0.036	0.057	0.077 U	0.077 U	0.069	0.097	0.035	0.064	0.046	0.093	0.10
Chromium	mg/kg	6.2	5.4	3.8	3.5	9.9	19	8.6	16	12	15	18
Copper	mg/kg	6.0	2.2	1.7	2.6	12	13	3.8	13	9.6	13	8.1
Lead	mg/kg	2.0	31	1.0	1.1	2.4	20	14	3.3	1.9	5.8	2.6
Mercury	mg/kg	0.016	0.016 U	0.037	0.016 U	0.0055	0.0027	0.038	0.0068	0.020	0.054	0.014
Selenium	mg/kg	1.9	0.11	0.14	0.13	0.78 U	0.74 U	0.75 U	0.79 U	0.70 U	0.77 U	0.71 U
Silver	mg/kg	0.37 U	0.076 U	0.077 U	0.077 U	0.39 U	0.37 U	0.37 U	0.39 U	0.35 U	0.38 U	0.36 U
Zinc	mg/kg	12	310	4.9	5.1	17	33	25	21	19	26	47

TABLE 3B
BRICK, BLOCK AND CONCRETE LABORATORY ANALYTICAL RESULTS - FACTORIES 5, 10 AND 81

DEACTIVATION REPORT
RACER TRUST
BUICK CITY - NORTHEND
FLINT, MICHIGAN

Analytes	Units	SAMPLE ID										
		81-EWL5B (9611)CC	81-EWL6B (9611)CC	81-EW3(91411)CC	81-EW5(91411)CC	81-EW7(91411)CC	81-EW11(91411)CC	81-EW15(91411)CC	81-EW19(91411)CC	81-WW4(91411)CC	81-WW6(91411)CC	81-WW8(91411)CC
Sample Date		**9/6/11**	**9/6/11**	**9/14/11**	**9/14/11**	**9/14/11**	**9/14/11**	**9/14/11**	**9/14/11**	**9/14/11**	**9/14/11**	**9/14/11**
PCBs												
Aroclor-1016	mg/kg	0.032 U	0.033 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Aroclor-1221	mg/kg	0.032 U	0.033 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Aroclor-1232	mg/kg	0.032 U	0.033 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Aroclor-1242	mg/kg	0.032 U	0.033 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Aroclor-1248	mg/kg	0.032 U	0.033 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Aroclor-1254	mg/kg	0.032 U	0.033 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Aroclor-1260	mg/kg	0.032 U	0.033 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Total PCBs	mg/kg	0.032 U	0.033 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Inorganics												
Arsenic	mg/kg	4.7	4.2	3.1	3.0	3.1	3.1	3.6	3.5	2.9	3.0	3.1
Barium	mg/kg	30	25	790	530	18	36	130	530	110	230	330
Cadmium	mg/kg	0.12	0.056	0.33	0.23	0.035	0.072	0.080	0.19	0.060	0.11	0.16
Chromium	mg/kg	13	14	7.2	6.8	3.5	4.3	5.2	8.5	4.2	4.9	5.7
Copper	mg/kg	10	9.1	5.8	6.0	12	5.0	10	6.8	4.9	7.3	5.9
Lead	mg/kg	3.6	2.8	240	130	4.4	10	34	150	33	71	99
Mercury	mg/kg	0.15	0.22	0.11	0.043	0.036	0.014	0.091	0.084	0.035	0.023	0.046
Selenium	mg/kg	0.77 U	0.70 U	0.23	0.28	0.20	0.20	0.25	0.27	0.20	0.21	0.21
Silver	mg/kg	0.38 U	0.35 U	0.016	0.079	0.075	0.077	0.077	0.016	0.072	0.077	0.064
Zinc	mg/kg	24	20	380	230	20	43	68	210	61	120	170

TABLE 3B
BRICK, BLOCK AND CONCRETE LABORATORY ANALYTICAL RESULTS - FACTORIES 5, 10 AND 81

DEACTIVATION REPORT
RACER TRUST
BUICK CITY - NORTHEND
FLINT, MICHIGAN

Analytes	Units	SAMPLE ID										
		81-WW12(91411)CC	81-WW16(91411)CC	81-WW20(91411)CC	81-FLB8(91411)CC	81-WWA2RAMP(91211)CC	81-WCA19(91211)CC	81-FLF18(91211)CC	81-WWA2(91211)CC	81-WWA1DOCK(91211)CC	81-WWA17(91211)CC	81-WWA21(91211)CC
Sample Date		**9/14/11**	**9/14/11**	**9/14/11**	**9/14/11**	**9/12/11**	**9/12/11**	**9/12/11**	**9/12/11**	**9/12/11**	**9/12/11**	**9/12/11**
PCBs												
Aroclor-1016	mg/kg	1.6 U	1.6 U	1.6 U	1.6 U	0.66 U	0.65 U	0.34 U	0.33 U	0.33 U	0.016 U	0.016 U
Aroclor-1221	mg/kg	1.6 U	1.6 U	1.6 U	1.6 U	0.66 U	0.65 U	0.34 U	0.33 U	0.33 U	0.016 U	0.016 U
Aroclor-1232	mg/kg	1.6 U	1.6 U	1.6 U	1.6 U	0.66 U	0.65 U	0.34 U	0.33 U	0.33 U	0.016 U	0.016 U
Aroclor-1242	mg/kg	1.6 U	1.6 U	1.6 U	1.6 U	0.66 U	0.65 U	0.34 U	0.33 U	0.33 U	0.016 U	0.016 U
Aroclor-1248	mg/kg	1.6 U	1.6 U	1.6 U	1.6 U	0.66 U	0.65 U	0.34 U	0.33 U	0.33 U	0.016 U	0.016 U
Aroclor-1254	mg/kg	1.6 U	0.13	1.6 U	1.6 U	0.66 U	0.65 U	0.34 U	0.33 U	0.33 U	0.016 U	0.016 U
Aroclor-1260	mg/kg	1.6 U	1.6 U	1.6 U	1.6 U	0.66 U	0.65 U	0.34 U	0.33 U	0.33 U	0.016 U	0.016 U
Total PCBs	mg/kg	1.6 U	0.13	1.6 U	1.6 U	0.66 U	0.65 U	0.34 U	0.33 U	0.33 U	0.016 U	0.016 U
Inorganics												
Arsenic	mg/kg	7.6	7.0	5.5	3.7	4.7	3.9	4.8	3.5	4.1	3.9	2.6
Barium	mg/kg	250	220	390	30	71	33	150	30.0	41.0	140	33.0
Cadmium	mg/kg	0.17	0.083	0.15	0.062	0.063	0.091	0.22	0.068	0.10	0.054	0.061
Chromium	mg/kg	5.8	4.8	5.8	14	14	15.0	11	15.0	17.0	12.0	8.6
Copper	mg/kg	14	5.6	12	35	11	19.0	12.0	14.0	13.0	7.0	8.9
Lead	mg/kg	77	59	110	2.7	7.9	13.0	5.1	4.9	2.9	12.0	2.5
Mercury	mg/kg	0.040	0.068	0.073	0.028	0.034	0.0059	0.015 U	0.069	0.086	0.29	0.85
Selenium	mg/kg	0.23	0.24	0.22	0.30	0.32	0.28	0.34	0.26	0.26	0.61	0.19
Silver	mg/kg	0.079	0.017	0.067	0.070	0.023	0.020	0.021	0.080 U	0.016	0.017	0.021
Zinc	mg/kg	160	95	170	18	31	23.0	110	17.0	21.0	27.0	21.0

TABLE 3B
BRICK, BLOCK AND CONCRETE LABORATORY ANALYTICAL RESULTS - FACTORIES 5, 10 AND 81

DEACTIVATION REPORT
RACER TRUST
BUICK CITY - NORTHEND
FLINT, MICHIGAN

Analytes	Units	SAMPLE ID										
		81-WBWA22(91211)CC	81-FLB21(91211)CC	81-FLD18(91211)CC	81-FLAB13(91211)CC	81-FLC16(91211)CC	81-WCA9(91211)CC	81-WWA7(91211)CC	81-WWA4(91211)CC	81-WWA3(91211)CC	81-WWA10(91211)CC	81-WWA12(91211)CC
Sample Date		**9/12/11**	**9/12/11**	**9/12/11**	**9/12/11**	**9/12/11**	**9/12/11**	**9/12/11**	**9/12/11**	**9/12/11**	**9/12/11**	**9/12/11**
PCBs												
Aroclor-1016	mg/kg	0.016 U	0.67 U	0.67 U	0.64 U	0.34 U	0.64 U	0.67 U	0.65 U	0.083 U	0.67 U	0.66 U
Aroclor-1221	mg/kg	0.016 U	0.67 U	0.67 U	0.64 U	0.34 U	0.64 U	0.67 U	0.65 U	0.083 U	0.67 U	0.66 U
Aroclor-1232	mg/kg	0.016 U	0.67 U	0.67 U	0.64 U	0.34 U	0.64 U	0.67 U	0.65 U	0.083 U	0.67 U	0.66 U
Aroclor-1242	mg/kg	0.016 U	0.67 U	0.67 U	0.64 U	0.34 U	0.64 U	0.67 U	0.65 U	0.083 U	0.67 U	0.66 U
Aroclor-1248	mg/kg	0.016 U	0.67 U	0.67 U	0.64 U	0.34 U	0.64 U	0.67 U	0.65 U	0.083 U	0.67 U	0.66 U
Aroclor-1254	mg/kg	0.016 U	0.67 U	0.67 U	0.64 U	0.34 U	0.64 U	0.67 U	0.65 U	0.083 U	0.67 U	0.66 U
Aroclor-1260	mg/kg	0.016 U	0.67 U	0.67 U	0.64 U	0.34 U	0.64 U	0.67 U	0.65 U	0.083 U	0.67 U	0.66 U
Total PCBs	mg/kg	0.016 U	0.67 U	0.67 U	0.64 U	0.34 U	0.64 U	0.67 U	0.65 U	0.083 U	0.67 U	0.66 U
Inorganics												
Arsenic	mg/kg	1.5	4.5	4.5	3.4	5.6	3.6	3.8	5.2	4.1	3.7	4.1
Barium	mg/kg	55.0	31.0	38.0	38.0	33.0	40.0	48.0	150	69	62	160
Cadmium	mg/kg	0.042	0.076	0.13	0.13	0.12	0.085	0.063	0.068	0.064	0.080	0.069
Chromium	mg/kg	5.2	14.0	16.0	18.0	15.0	30.0	14.0	35	13.0	11.0	15
Copper	mg/kg	4.8	16.0	14.0	14.0	12.0	14.0	7.6	11	10	10.0	11
Lead	mg/kg	6.0	2.8	4.2	26.0	4.7	66.0	2.8	94	5.7	3.9	12
Mercury	mg/kg	0.016 U	0.0021	0.017 U	0.016 U	0.0017	0.017 U	0.027	0.12	0.013	0.026	0.32
Selenium	mg/kg	0.23	0.24	0.29	0.24	0.23	0.27	0.21	0.27	0.28	0.25	0.30
Silver	mg/kg	0.078 U	0.026	0.023	0.037	0.017	0.017	0.079 U	0.017	0.018	0.016	0.023
Zinc	mg/kg	21.0	27.0	21.0	26.0	25.0	21.0	23.0	56	31	29.0	71

TABLE 3B
BRICK, BLOCK AND CONCRETE LABORATORY ANALYTICAL RESULTS - FACTORIES 5, 10 AND 81

DEACTIVATION REPORT
RACER TRUST
BUICK CITY - NORTHEND
FLINT, MICHIGAN

Analytes	Units	SAMPLE ID										
		81-WWA13(91211)CC	81WWA15(91211)CC	81-WWA14(91211)CC	81-BFLRD18(91211)CC	81-BFLRF18(91211)CC	81-BFLRB21(91211)CC	81-FLCS(91211)CC	65-NN1-(10311)CC	65-E2-(10311)CC	65-S3-(10311)CC	65-SS4-(10311)CC
Sample Date		**9/12/11**	**9/12/11**	**9/12/11**	**9/12/11**	**9/12/11**	**9/12/11**	**9/12/11**	**10/3/11**	**10/3/11**	**10/3/11**	**10/3/11**
PCBs												
Aroclor-1016	mg/kg	0.66 U	0.016 U	0.017 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Aroclor-1221	mg/kg	0.66 U	0.016 U	0.017 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Aroclor-1232	mg/kg	0.66 U	0.016 U	0.017 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Aroclor-1242	mg/kg	0.66 U	0.016 U	0.017 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.015
Aroclor-1248	mg/kg	0.66 U	0.016 U	0.017 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Aroclor-1254	mg/kg	0.66 U	0.016 U	0.017 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Aroclor-1260	mg/kg	0.66 U	0.016 U	0.017 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Total PCBs	mg/kg	0.66 U	0.016 U	0.017 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.015
Inorganics												
Arsenic	mg/kg	5.8	5.1	3.7	4.2	4.2	5.8	4.4	3.1	3.1	2.7	0.67
Barium	mg/kg	61	370	33	42	150	41	30	30	23	22	91
Cadmium	mg/kg	0.057	0.10	0.092	0.42	0.44	0.13	0.18	0.036	0.037	0.038	0.57
Chromium	mg/kg	10	18	18	18	13	21	17	8.0	10	8.7	8.3
Copper	mg/kg	12	12	11	25	15	150	10	3.0	5.0	6.1	14
Lead	mg/kg	5.4	41	13	31	14	6.6	2.8	8.1	13	28	26
Mercury	mg/kg	0.026	0.013	0.0019	0.015	0.0058	0.016 U	0.0040	0.024	0.021	0.017 U	0.028
Selenium	mg/kg	0.26	0.29	0.24	0.30	0.38	0.74 U	0.80 U	0.22	0.17	0.11	0.094
Silver	mg/kg	0.020	0.015	0.017	0.057	0.075	0.37 U	0.40 U	0.016	0.034	0.017	0.14
Zinc	mg/kg	30	160	20	59	44	200	26	10	21	14	78

TABLE 3B
BRICK, BLOCK AND CONCRETE LABORATORY ANALYTICAL RESULTS - FACTORIES 5, 10 AND 81

DEACTIVATION REPORT
RACER TRUST
BUICK CITY - NORTHEND
FLINT, MICHIGAN

Analytes	Units	SAMPLE ID										
		10-SW1(10711)-CC	10-SW2(10711)-CC	10-SW3(10711)-CC	10-SW4(10711)-CC	10-SW5(10711)-CC	10-SW6(10711)-CC	10-WW7(10711)-CC	10-WW8(10711)-CC	10-WW9(10711)-CC	10-WW10(10711)-CC	10-WW11(10711)-CC
Sample Date		**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**
PCBs												
Aroclor-1016	mg/kg	0.13 U	0.12 U	0.12 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor-1221	mg/kg	0.13 U	0.12 U	0.12 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor-1232	mg/kg	0.13 U	0.12 U	0.12 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor-1242	mg/kg	0.13 U	0.12 U	0.12 U	0.17	0.085	0.079	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor-1248	mg/kg	0.13 U	0.12 U	0.12 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor-1254	mg/kg	0.13 U	0.12 U	0.12 U	0.78	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor-1260	mg/kg	0.13 U	0.12 U	0.12 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Total PCBs	mg/kg	0.13 U	0.12 U	0.12 U	0.93	0.085	0.079	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Inorganics												
Arsenic	mg/kg	2.2	3.7	2.8	4.3	3.8	1.6	3.5	1.2	1.4	3.0	2.8
Barium	mg/kg	57	180	960	57	2700	130	1000	37	1300	150	240
Cadmium	mg/kg	0.033 U	0.034 U	0.034	0.19	0.13	0.034	0.033	0.035	0.69	0.093	0.032 U
Chromium	mg/kg	4.0	13	10	680	16	17	22	4.3	38	9.7	16
Copper	mg/kg	3.3	7.7	3.2	9.7	7.2	4.4	4.2	2.6	3.7	5.3	3.6
Lead	mg/kg	3.7	32	33	2900	75	61	0.087	3.5	170	2.9	16
Mercury	mg/kg	0.014 U	0.010 U	0.022 U	0.011	0.12	0.012 U	65	0.011 U	0.054	0.011 U	4.7
Selenium	mg/kg	0.14	0.97	1.7	0.18	0.14	0.32	1.6	0.32	2.5	0.70	2.0
Silver	mg/kg	0.015 U	0.015	0.015 U	0.030	0.016	0.015 U	0.015 U	0.016 U	0.015 U	0.019	0.029
Zinc	mg/kg	14	17	350	29	920	32	360	13	650	43	13.0

TABLE 3B
BRICK, BLOCK AND CONCRETE LABORATORY ANALYTICAL RESULTS - FACTORIES 5, 10 AND 81

DEACTIVATION REPORT
RACER TRUST
BUICK CITY - NORTHEND
FLINT, MICHIGAN

Analytes	Units	SAMPLE ID										
		10-WW12(10711)-CC	10-WW13(10711)-CC	10-WW14(10711)-CC	10-NW15(10711)-CC	10-NW16(10711)-CC	10-NW17(10711)-CC	10-WW18(10711)-CC	10-NW19(10711)-CC	10-NW20(10711)-CC	10-NW21(10711)-CC	10-NW22(10711)-CC
Sample Date		**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**
PCBs												
Aroclor-1016	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor-1221	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor-1232	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor-1242	mg/kg	0.11	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.23	0.13 U	0.13 U	0.13 U
Aroclor-1248	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor-1254	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.11	0.13 U	0.13 U	0.13 U
Aroclor-1260	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Total PCBs	mg/kg	0.11	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.34	0.13 U	0.13 U	0.13 U
Inorganics												
Arsenic	mg/kg	1.5	2.6	0.85	2.7	2.3	2.8	2.8	1.7	2.0	0.96	2.1
Barium	mg/kg	630	200	25	29	220	190	180	1400	150	29	120
Cadmium	mg/kg	4.3	0.27	0.036	0.075	0.035 U	0.082	0.073	0.095	0.24	0.032	0.48
Chromium	mg/kg	7.1	6.1	2.8	13	11	11	10	25	7.0	6.5	17
Copper	mg/kg	1.8	4.7	1.8	8.5	5.1	9.4	12	3.7	4.4	3.6	7.3
Lead	mg/kg	56	8.8	0.98	2.9	2.1	4.6	3.6	120	18	22	57
Mercury	mg/kg	0.011 U	0.014 U	0.012 U	0.013 U	0.40	0.48	0.45	0.010 U	0.015 U	0.011 U	0.017
Selenium	mg/kg	2.3	0.66	0.26	0.14	1.3	0.93	0.78	2.3	0.26	0.17	0.28
Silver	mg/kg	0.018	0.017	0.016 U	0.020	0.028	0.045	0.066	0.030	0.016 U	0.014	0.019
Zinc	mg/kg	900	75	3.2	49	14	22	27	590	65	5.0	53

TABLE 3B
BRICK, BLOCK AND CONCRETE LABORATORY ANALYTICAL RESULTS - FACTORIES 5, 10 AND 81

DEACTIVATION REPORT
RACER TRUST
BUICK CITY - NORTHEND
FLINT, MICHIGAN

Analytes	Units	SAMPLE ID										
		10-NW23(10711)-CC	10-NW24(10711)-CC	10-NW25(10711)-CC	10-NW26(10711)-CC	10-NW27(10711)-CC	10-SW28(10711)-CC	10-SW29(10711)-CC	10-SW30(10711)-CC	10-SW31(102511)-SD	10-SW32(102511)-SD	10-SW33(102511)-SD
Sample Date		**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/7/11**	**10/25/11**	**10/25/11**	**10/25/11**
PCBs												
Aroclor-1016	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.12 U
Aroclor-1221	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.096 U	0.096 U	0.094 U
Aroclor-1232	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.084 U	0.084 U	0.082 U
Aroclor-1242	mg/kg	0.13 U	0.13 U	0.13 U	0.210	0.13 U	0.13 U	0.13 U	0.13	0.078 U	0.078 U	0.36
Aroclor-1248	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.1 U	0.1 U
Aroclor-1254	mg/kg	0.13 U	0.13 U	0.13 U	0.17	0.13 U	0.13 U	0.19	0.18	0.1 U	0.1 U	0.2
Aroclor-1260	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.1 U	0.1 U
Total PCBs	mg/kg	0.13 U	0.13 U	0.13 U	0.38	0.13 U	0.13 U	0.19	0.31	0.1 U	0.1 U	0.56
Inorganics												
Arsenic	mg/kg	2.8	3.0	2.8	1.5	1.1	1.6	1.6	47	4.7	5.4	1.7
Barium	mg/kg	120	250	53	420	42	710	530	49	270	260	1600
Cadmium	mg/kg	0.098	0.063	0.041	0.32	0.032 U	0.082	0.31	0.13	0.059	0.071	5.1
Chromium	mg/kg	15	25	11	18	7.9	18	21	110	9.8	7.8	38
Copper	mg/kg	8.7	10	5.6	3.0	2.2	2.5	1.5	10	7.9	8.5	3.6
Lead	mg/kg	2.3	2.0	6.8	78	22	69	120	500	23	9.6	190
Mercury	mg/kg	0.011 U	0.014 U	0.015 U	0.013 U	0.014 U	0.011 U	0.12	0.011 U	0.012 U	0.013 U	0.038
Selenium	mg/kg	0.60	1.2	0.18	0.078 U	0.20	0.35	2.5	0.35	1.3	1.3	3.3
Silver	mg/kg	0.015 U	0.022	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U	0.028	0.014 U	0.015 U	0.015 U
Zinc	mg/kg	34	27	12	180	3.3	270	2200	16	13	15	810

TABLE 3B
BRICK, BLOCK AND CONCRETE LABORATORY ANALYTICAL RESULTS - FACTORIES 5, 10 AND 81

DEACTIVATION REPORT
RACER TRUST
BUICK CITY - NORTHEND
FLINT, MICHIGAN

Analytes	Units	SAMPLE ID										
		10-SW34(102511)-SD	10-SW35(102511)-SD	10-SW36(102511)-SD	10-SW37(102511)-SD	10-SW38(102511)-SD	10-EW39(102511)-SD	10-EW40(102511)-SD	10-EW41(102511)-SD	10-EW42(102511)-SD	10-EW43(102511)-SD	10-EW44(102511)-SD
Sample Date		**10/25/11**	**10/25/11**	**10/25/11**	**10/25/11**	**10/25/11**	**10/25/11**	**10/25/11**	**10/25/11**	**10/25/11**	**10/25/11**	**10/25/11**
PCBs												
Aroclor-1016	mg/kg	0.13 U	0.13 U	0.137 U	0.130 U	0.130 U	0.13 U	0.130 U	0.120 U	0.130 U	0.130 U	0.13 U
Aroclor-1221	mg/kg	0.095 U	0.099 U	0.097 U	0.097 U	0.098 U	0.096 U	0.096 U	0.095 U	0.098 U	0.096 U	0.096 U
Aroclor-1232	mg/kg	0.083 U	0.087 U	0.085 U	0.085 U	0.085 U	0.084 U	0.084 U	0.083 U	0.085 U	0.084 U	0.084 U
Aroclor-1242	mg/kg	0.45	0.080 U	0.079	.150	0.079 U	0.078 U	0.078 U	0.077 U	2	0.65	0.27
Aroclor-1248	mg/kg	0.1 U	0.11 U	0.10 U	0.1 U	0.1 U	0.1 U	0.10 U	0.10 U	0.100 U	0.10 U	0.10 U
Aroclor-1254	mg/kg	0.18	0.11 U	0.10 U	0.1 U	0.1 U	0.1 U	0.10 U	0.10 U	0.250	0.30	0.10 U
Aroclor-1260	mg/kg	0.1 U	0.11 U	0.10 U	0.1 U	0.1 U	0.1 U	0.01 U	0.10 U	0.100	0.10 U	0.10 U
Total PCBs	mg/kg	0.63	0,11 U	0.10 U	0.15	0.1 U	0.1 U	0.01 U	0.10 U	2.25	0.95	0.27
Inorganics												
Arsenic	mg/kg	1.7	5.4	1.3	3.2	1.6	4.1	3.7	1.4	3.4	1.6	3.9
Barium	mg/kg	730	60	48	31	37	200	180	20	67	1500	49
Cadmium	mg/kg	0.19	0.13	0.038	0.13	0.067	0.057	0.068	0.14	0.13	0.072	0.87
Chromium	mg/kg	51	23	4.0	62	5.2	7.8	7.6	3.6	12	7.9	38
Copper	mg/kg	6.0	8.4	2.4	9.0	4.3	6.4	6.0	6.3	9.0	2.7	10
Lead	mg/kg	170	23	4.7	230	6.2	9.6	13	6.0	11	16	80
Mercury	mg/kg	0.052	0.013 U	0.012 U	0.011 U	0.011 U	0.01 U	0.014 U	0.013 U	0.013 U	1.6	0.014 U
Selenium	mg/kg	0.37	0.17	0.20	0.15	0.16	1.2	1.1	0.096	0.12	2.4	0.23
Silver	mg/kg	0.014 U	0.014 U	0.016 U	0.031	0.016 U	0.015 U	0.012 U	0.015 U	0.014 U	0.014 U	0.021
Zinc	mg/kg	280	22	6.2	18	18	13	15	13	17	720	37

TABLE 3B
BRICK, BLOCK AND CONCRETE LABORATORY ANALYTICAL RESULTS - FACTORIES 5, 10 AND 81

DEACTIVATION REPORT
RACER TRUST
BUICK CITY - NORTHEND
FLINT, MICHIGAN

Analytes	Units	SAMPLE ID										
		10-EW45(102511)-SD	10-EW46(102511)-SD	10-EW47(102511)-SD	10-EW48(102511)-SD	10-EW49(102511)-SD	10-EW50(102511)-SD	10-EW51(102511)-SD	10-EW52(102511)-SD	10-EW53(102511)-SD	10-EW54(102511)-SD	10-EW55(102511)-SD
Sample Date		**10/25/11**	**10/25/11**	**10/25/11**	**10/25/11**	**10/25/11**	**10/25/11**	**10/25/11**	**10/25/11**	**10/25/11**	**10/25/11**	**10/25/11**
PCBs												
Aroclor-1016	mg/kg	0.65 U	0.63 U	0.13 U	1.3 U	0.63 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.12 U
Aroclor-1221	mg/kg	0.50 U	0.48 U	0.097 U	.99 U	0.48 U	0.95 U	0.97 U	0.97 U	0.095 U	0.097 U	0.095 U
Aroclor-1232	mg/kg	0.43 U	0.42 U	0.085 U	.86 U	0.42 U	0.83 U	0.85 U	0.85 U	0.084 U	0.085 U	0.083 U
Aroclor-1242	mg/kg	3.1	2.8	0.96	9.3	2.8	1.1	0.71	1.8	0.89	0.40	1.9
Aroclor-1248	mg/kg	0.53 U	0.51 U	0.10 U	0.10 U	0.51 U	0.1 U	0.1 U	0.10 U	0.10 U	0.10 U	0.1 U
Aroclor-1254	mg/kg	0.53 U	0.96	0.10 U	1.8	0.51 U	0.18	0.20	0.19	0.11	0.10 U	0.22
Aroclor-1260	mg/kg	0.53 U	0.51 U	0.10 U	0.10 U	0.51 U	0.1	0.1 U	0.10 U	0.1 U	0.10 U	0.1 U
Total PCBs	mg/kg	3.1	3.76	0.96	11.1	2.8	1.28	0.91	1.99	1.0	0.40	2.12
Inorganics												
Arsenic	mg/kg	1.4	1.6	3.9	1.7	1.4	1.4	1.8	1.5	0.94	0.79	2.5
Barium	mg/kg	1500	1300	45	1800	940	1100	1000	850	36	63	1200
Cadmium	mg/kg	0.17	0.036	0.18	0.11	0.057	0.035	0.062	0.034	0.065	0.038	0.18
Chromium	mg/kg	120	7.6	55	30	19	7.7	15	21	7.8	4.0	12
Copper	mg/kg	2.2	2.7	9.4	2.5	2.9	2.2	3.0	2.3	2.3	2.5	4.3
Lead	mg/kg	600	21	7.8	220	92	20	73	140	34	12	52
Mercury	mg/kg	0.029	1.1	0.015 U	0.013 U	0.014 U	0.012 U	0.013 U	0.0099 U	0.014 U	0.014 U	0.012 U
Selenium	mg/kg	3.2	2.3	0.17	2.3	1.6	2.6	2.0	2.6	0.13	0.095	1.9
Silver	mg/kg	0.015 U	0.018	0.023	0.018	0.019	0.022	0.028	0.031	0.024	0.013 U	0.016 U
Zinc	mg/kg	880	700	32	1300	370	490	450	720	12	5.4	510

TABLE 3B
BRICK, BLOCK AND CONCRETE LABORATORY ANALYTICAL RESULTS - FACTORIES 5, 10 AND 81

DEACTIVATION REPORT
RACER TRUST
BUICK CITY - NORTHEND
FLINT, MICHIGAN

Analytes	Units	SAMPLE ID										
		10-EW56(102511)-SD	10-EW57 (111511)SD	10-EW58 (111511) SD	10-EW59(111511(SD	10-EW60 (111511)SD	10-EW48A(113011)CC	10-EW48B(113011)CC	10-EW48C(113011)CC	10-FLRH13(113011)CC	WTP-BLUETANK(22112) SL	5 HEAT TREAT FLR(22112)CC
Sample Date		**10/25/11**	**11/15/11**	**11/15/11**	**11/15/11**	**11/15/11**	**11/30/11**	**11/30/11**	**11/30/11**	**11/30/11**	**2/21/12**	**2/21/12**
PCBs												
Aroclor-1016	mg/kg	0.11 U	0.13 U	0.13 U	0.13 U	0.17 U	1.1 U	0.49 U	9.5 U	0.11 U	NA	ND
Aroclor-1221	mg/kg	0.08 U	0.097	0.097 U	0.096 U	0.13 U	0.86 U	0.37 U	7.2 U	0.083 U	NA	ND
Aroclor-1232	mg/kg	0.07 U	0.085 U	0.085 U	0.084 U	0.11 U	0.75 U	0.32 U	6.3 U	0.073 U	NA	ND
Aroclor-1242	mg/kg	0.59	1.7	0.56	0.27	0.12	11	0.30 U	170	0.51	NA	0.770 J
Aroclor-1248	mg/kg	0.085 U	0.1 U	0.1 U	0.1 U	0.13 U	0.91 U	1.9	7.7 U	0.088 U	NA	ND
Aroclor-1254	mg/kg	0.18	0.15	0.13	0.13	0.25	0.91 U	0.39 U	7.7 U	0.38	NA	0.880 J
Aroclor-1260	mg/kg	0.085 U	0.1 U	0.1 U	0.1 U	0.13 U	0.91 U	0.39 U	7.7 U	0.088 U	NA	ND
Total PCBs	mg/kg	0.77	1.85	0.69	0.4	0.37	11	1.9	170	0.89	NA	1.70
Inorganics												
Arsenic	mg/kg	1.7	1.9	1.5	3.5	1.7	2.2	1.9	2.2	4.1	ND	ND
Barium	mg/kg	1300	1,400	1,400	70	2,200	1,800	870	1,100	39	0.53 J B	0.094 J
Cadmium	mg/kg	0.032	0.098	0.036 U	0.033 U	0.15	0.037 U	0.073	0.037 U	0.087	ND	ND
Chromium	mg/kg	4.5	9.6	5.4	11	35	32	8.0	32	13	0.030 J	0.016 J
Copper	mg/kg	2.0	8.7	4.0	13	14	3.0	4.7	4.1	15	ND	NA
Lead	mg/kg	19	52	37	11	150	190	15	190	9.8	ND	ND
Mercury	mg/kg	0.86	0.024	2.6	0.014	0.078	0.015 U	1.1	0.040	0.014 U	ND	ND
Selenium	mg/kg	1.8	1.7	2.0	0.18	2.2	3.0	3.0	3.1	0.18	0.010 J	ND
Silver	mg/kg	0.016	0.021	0.021	0.015 U	0.024	0.031	0.027	0.031	0.036	ND	ND
Zinc	mg/kg	660	550	790	19	1,000	780	1,400	410	18	1.9 B	NA

Notes:

Qualifier Type	Lab Qualifiers	Definition
Inorganic	J	Indicates estimated value less than reporting limit, but greater than MDL.
Inorganic	ND	None detected.
Inorganic	U	The compound was analyzed for but not

Samples were collected by Brandenburg and submitted to Test America Laboratories.
All concentrations are reported as parts per million (ppm) or mg/kg

PCB = Polychlorinated Biphenyl
T = Total
ND = Not detected

na = not applicable
NA = Not Analyzed
ID = Inadequate data to develop criterion.
NLL = hazardous substance is not likely to leach under most soil

O'BRIEN & GERE

MOTORS LIQUIDATION COMPANY
North Flint Waste Water Treatment Plant Buildings 55, 55A, 55B, Filter Building
Flint, MI
FEA-L

Table 1 - ITEMS OF ENVIRONMENTAL INTEREST

IOI AREA	IOI Item	PLANT	FLOOR	LOCATION	CONTENTS/COMMENTS	SAMPLE REQUIRED (Y/N)	SAMPLE PARAMETERS	SAMPLE ID	RESULTS
FLR	Concrete Flooring	55A	Basement	North End Near West Wall	Concrete Floor Sample	Y	PCB	B55A Basement - North End Near West Wall - 010	PCBs - <1000 µg/Kg
TNK	Wipe	55A	Basement	South Basement	Steam Condensate Tank, Wipe Sample	Y	PCB	B55A-Steam Condensate Tank South Basement-031	PCBs - <10 µg/100 cm^2
TNK	Bulk Paint	55A	Basement	South Basement	Steam Condensate Tank, Bulk Sample	Y	PCB	B55A-Steam Condensate Tank South Basement-032	PCBs - 6000 µg/Kg
WAL	Wipe	55A	Basement	North End West Wall	Wall Wipe Sample, Basement, Dimensions - Width - 12', Length - 80'-90', Height - 15'	Y	PCB	B55A-Northend West Wall-017	PCBs - <10 µg/100 cm^2
WAL	Bulk Paint	55A	Basement	North End West Wall	Wall Bulk Sample	Y	PCB	B55A-Northend West Wall-018	PCBs - <1000 µg/Kg
OFM	East Marlow Sump	55A	Tunnel	East Tunnel	Pit - Length - 28', Width - 18', Depth - 16' (To Grating), Sump Pit - Width - 2', Length - 12', Depth - 2' to Liquid Face	Y	Total Metals and PCB	B55A East Tunnel - East Marlow Sump - 005	Total Solids - 87% PCBs - 4000 µg/Kg Arsenic - 5.52 mg/Kg Barium - 150 mg/Kg Cadmium - 3.00 mg/Kg Chromium - 227 mg/Kg Lead - 615 mg/Kg Mercury - 0.160 mg/Kg Selenium - 1.02 mg/Kg Silver - 0.65 mg/Kg
LIT	Florescent Lights	55A	Tunnel	Tunnel Throughout					
BAT	Emergency Lights	55A	Tunnel	Tunnel Throughout					
CYL	Fire Extinguisher	55A	Tunnel	Tunnel Throughout					
BAT	Exit Signs	55A	Tunnel	Tunnel Throughout					

Note: Dimensions and Locations are Approximate
Units of Measurement: mg - milligram, Kg - killogram, µg - microgram, cm^2 - centimeter squared

MOTORS LIQUIDATION COMPANY
North Flint Waste Water Treatment Plant Buildings 55, 55A, 55B, Filter Building
Flint, MI
FEA-L

Table 1 - ITEMS OF ENVIRONMENTAL INTEREST

IOI AREA	IOI Item	PLANT	FLOOR	LOCATION	CONTENTS/COMMENTS	SAMPLE REQUIRED (Y/N)	SAMPLE PARAMETERS	SAMPLE ID	RESULTS
PIT	West Marlow Pit	55A	Tunnel	West Tunnel	Pit - Length - 30', Width - 15', Depth - 20' (To Grating)				
WAL	Concrete Wall	55A	Tunnel	North Wall	Wall Bulk Sample, Tunnel Dimensions - Width - 8', Length - 215', Height - 9'	Y	PCB	B55A East Tunnel - North Wall - 011	PCBs - <1000 µg/Kg
WAL	Wipe	55A	1	Column B-1	Column Wipe Sample	Y	PCB	B55A - B-1 - 019	PCBs - <10 µg/100 cm^2
MIS	Storage Crib	55B	1	Column A-1	Used and Unused Pig Socks, Unknown Contaminants				
CNT	Totes	55B	1	Column A-2	Hazardous Sign - 1791-8, Hypochlorite Solution (12-15%), 275 Gallon Capacity				
PIT	Sump Pit	55B	1	Column A-3	Waste Water and Oil Lines Feed into Sump Pit, Width - 6', Length - 8', Depth - 5'				
PIT	Sump Pit	55B	1	Column B-3	Width - 3', Length - 5', Depth - 5'				
CNT	Drums	55B	1	Column C-1	5 Drums, Marks on Drums "Pump Bearing Oil"				
TNK	Tanks	55B	1	North Containment Area	3 DAF Air Injection Tanks, Unknown Amount in Tanks				
CNT	Hydraulic Oil	55B	1	North Containment Area	Mobil DTE 16M				
OFM	Pumps	55B	1	North Containment Area	East and West Polymer Pumps				
TNK	Tank	55B	1	North Containment Area	Anionic Polymer Tank, Width - 4', Length - 3', Liquid Height - 2"				
TNK	Tank	55B	1	North Containment Area	Wastewater Regulated as Used Oil", Width - 6', Length - 6', Depth - 10'				
PIT	Pit	55B	1	North Containment Area	Length - 3', Width - 3', Depth - 2'				
TNK	Tank	55B	1	North Containment Area	Semblex Chemix, Floc Tank, Air Conditioning Unit Attached, Width - 2', Length - 4'				
BAT	Exit Signs	55B	1	Throughout					
BAT	Emergency Lights	55B	1	Throughout					
LIT	Florescent Lights	55B	1	Throughout					

Note: Dimensions and Locations are Approximate
Units of Measurement: mg - milligram, Kg - killogram, µg - microgram, cm^2 - centimeter squared

O'BRIEN & GERE

MOTORS LIQUIDATION COMPANY
North Flint Waste Water Treatment Plant Buildings 55, 55A, 55B, Filter Building
Flint, MI
FEA-L

Table 1 - ITEMS OF ENVIRONMENTAL INTEREST

IOI AREA	IOI Item	PLANT	FLOOR	LOCATION	CONTENTS/COMMENTS	SAMPLE REQUIRED (Y/N)	SAMPLE PARAMETERS	SAMPLE ID	RESULTS
CYL	Fire Extinguisher	55B	1	Throughout					
WAL	Wipe	55B	1	Column D-1	Column Wipe Sample	Y	PCB	B55B-D-1-026	PCBs - <10 µg/100 cm^2
WAL	Bulk Paint	55B	1	Column D-1	Column Bulk Sample	Y	PCB and Total Metals	B55B-D-1-027	PCBs - <1000 µg/Kg Arsenic - 14.8mg/Kg Barium - 39.5 mg/Kg Cadmium - 0.87 mg/Kg Chromium - 28.7 mg/Kg Lead - 175 mg/Kg Mercury - 6.282 mg/Kg Selenium - < 0.50 mg/Kg Silver - < 0.20 mg/Kg
FLR	Concrete Flooring	55B	1	South End of Building Containment Area	Concrete Floor Sample	Y	PCB	B55B-Southend of Building Containment Area-013	PCBs - <1000 µg/Kg
TNK	Tanks	55B	2	Column C-1-3	3 Dissolved Air Flotation Units, Length - 45', Width - 8', Height - 6'				
CAP	Electrical Control Panel	55B	2	Column E-1	Possible Fluid Filled Capacitor, Verify				
TNK	Tanks	55B	2	Column E-2	2 Waste Water Tanks, Anionic Polymer Tanks, Sludge on Bottom of Tanks, Diameter - 4', Height - 5'				
LIT	Florescent Lights	55B	2	Throughout					
CYL	Fire Extinguisher	55B	2	Throughout					
OFM	Flotation Unit	55B	2	Center Flotation Unit	Sludge Sample, Dimensions - Length - 45', Width - 8', Height - 6'	Y	Total Metals and PCB	B55B 2nd Flr - Center Flotation Unit - 015	Total Solids - 94% PCBs - <1000 µg/Kg Arsenic - 2.33 mg/Kg Barium - 56.9 mg/Kg Cadmium - 0.49 mg/Kg Chromium - 20.7 mg/Kg Lead - 24.7 mg/Kg Mercury - < 0.05 mg/Kg Selenium - < 0.5 mg/Kg Silver - < 0.20 mg/Kg

Note: Dimensions and Locations are Approximate
Units of Measurement: mg - milligram, Kg - killogram, µg - microgram, cm^2 - centimeter squared

MOTORS LIQUIDATION COMPANY
North Flint Waste Water Treatment Plant Buildings 55, 55A, 55B, Filter Building
Flint, MI
FEA-L

Table 1 - ITEMS OF ENVIRONMENTAL INTEREST

IOI AREA	IOI Item	PLANT	FLOOR	LOCATION	CONTENTS/COMMENTS	SAMPLE REQUIRED (Y/N)	SAMPLE PARAMETERS	SAMPLE ID	RESULTS
OFM	Flotation Unit	55B	2	East Flotation Unit	Sludge Sample, Dimensions - Length - 45', Width - 8', Height - 6'	Y	Total Metals and PCB	B55B 2nd Flr - East Flotation Unit - 016	Total Solids - 98% PCBs - <1000 µg/Kg Arsenic - 3.19 mg/Kg Barium - 105 mg/Kg Cadmium - 0.87 mg/Kg Chromium - 30.8 mg/Kg Lead - 39.5 mg/Kg Mercury - 0.065 mg/Kg Selenium - < 0.5 mg/Kg Silver - < 0.20 mg/Kg
OFM	Flotation Unit	55B	2	West Flotation Unit	Sludge Sample, Dimensions - Length - 45', Width - 8', Height - 6'	Y	Total Metals and PCB	B55B 2nd Flr - West Flotation Unit - 014	Total Solids - 98% PCBs - <1000 µg/Kg Arsenic - 2.05 mg/Kg Barium - 89.4 mg/Kg Cadmium - 0.94 mg/Kg Chromium - 24.2 mg/Kg Lead - 157 mg/Kg Mercury - < 0.05 mg/Kg Selenium - < 0.5 mg/Kg Silver - < 0.20 mg/Kg
CAP	Electrical Panels	Filtration Building	1	Filtration Building	Assume Liquid Fill Capacitor, Verify				
OFM	Hydromation Filter	Filtration Building	1	Filtration Building	2 Tanks, Hydromation Filter Model # PS154, Height - 5', Diameter - 4'				
OFM	Hydromatic Filter, S# 1-4316	Filtration Building	1	North and South Filters	Sample Bulk Paint	Y	PCB	Filtration Building - Equipment Hydromatic S#1-4316 - 025	PCBs - <1000 µg/Kg
FLR	Concrete Flooring	Filtration Building	1	Northeast corner of Building	Concrete Floor Sample	Y	PCB	Filtration Building - Northeast Corner of Building - 012	PCBs - <1000 µg/Kg
LIT	Florescent Lights	Filtration Building	1	Throughout Filtration Building					
BAT	Exit Signs	Filtration Building	1	Throughout Filtration Building					
WAL	Wipe	Filtration Building	1	West Wall	Sample Wipe Paint	Y	PCB	Filtration Building - West Wall - 023	PCBs - <10 µg/100 cm^2

Note: Dimensions and Locations are Approximate
Units of Measurement: mg - milligram, Kg - kilogram, µg - microgram, cm^2 - centimeter squared

Attachment 3

Block 3 AOI Summary and Concrete Results

TABLE 2
GENERAL MOTORS CORPORATION
NAO-FLINT OPERATIONS - FLINT, MICHIGAN

DESCRIPTION OF CURRENT CONDITIONS FOR AREAS NORTH OF LEITH STREET

SUMMARY OF AREAS OF INTEREST (AOIs)

AOI Id.	AOI Summary Description
Building 38 Area	
38-1	Northern portion of Building 38, including several process waste sumps, trenches, former car lifts, and a former 8,000-gallon fuel oil UST.
Factory 36 Area	
36-1	Northern and central portions of Building 36, involving various active engine manufacturing process, including various "wet" (i.e., use of cutting and/or cooling oils) and "dry" (i.e., no use of cutting and/or cooling oils) metal machining operations. Due to the nature of the operations (i.e., full production), it is difficult to visually assess whether releases have occurred.
36-2	Basement area located along the east side of the central portion of Building 36, involving a former metal chip processing operation used to separate residual cutting and cooling oils from metal machining chips. Free-floating product is located immediately downgradient of this basement area.
36-3	Basement area located beneath the southeastern corner of Building 36, involving a final engine assembly area, several ancillary, main process waste oil collection/processing operations, and several former ASTs and USTs identified on the 1973 and 1991 Site Drawings. Oil has been historically observed on the floor of the basement at various locations.
36-4	Southcentral and southeastern portions of the Building 36, involving a former "wet" (i.e., use of cutting and/or cooling oils) metal machining operation and several active engine assembly operations. Trenches associated with these operations routinely contain standing oil, and the integrity of such trenches is unknown.
36-5	Area located immediately south of AOI 36-5 involving a former UST farm and active AST farm, as well as a 6' wide x 6' high subsurface tunnel which connected the former UST farm with Building 36. A prior release(s) from the UST farm in this area has been documented, and floor staining has been observed in the tunnel.
Buildings 55, 55A, and 55B Area	
55-1	Overall area of the Site's process wastewater treatment facilities, involving various waste oil storage facilities, clarifiers, mixing tanks, etc. Past investigations of this area have indicated impacts to underlying soil and groundwater, presumably resulting from a release(s) from these facilities.
Factory 10 Area	
10-1	Overall area of Building 20, including its basement areas, manufacturing operations, external areas immediately surrounding the building, and several tanks identified on the 1973 and 1991 Site Drawings. Past investigations of the Building 20 Area have indicated impacts to underlying soil and groundwater resulting from releases from associated operations.
10-2	Solid waste transfer station located immediately east of Building 20 and immediately south of Building 22 and Tanks 24 and 25 identified on the 1973 Site Drawing. Residual oil draining from solid waste stored in the solid waste transfer station occasionally collects on the concrete pavement of this area, which has numerous cracks and fissures. Residual oil is recovered via a centrally located pit that is routinely emptied.
10-3	Basement area of Building 22, including two process waste oil sumps which collect oil leaks from compressors via floor drains, and Tank 24-1 identified on the 1991 Site Drawing.
10-4	Scrapyard area located immediately south of Building 20 used since 1950 for scrap material storage, vehicle dismantling, and vehicle equipment storage. Past investigations of this area have indicated impacts to underlying soil and groundwater resulting from releases from associated operations.
Factory 05 Area	
05-1	Basement area located along the southeast portion of Building 43, involving a metal machining chip processing operation and several process wastewater system sumps and tanks. Free-floating product is located immediately adjacent to this basement area.
05-2	Central east portion of Building 43, involving a "Filtration Room," an "Oil Room," a below-grade vault, and an elevator pit. Over 2 feet of oil material has been noted on occasion within the below-grade vault in this area. The source of this material is unknown; however, it may be associated with the adjacent Oil Room and/or Filtration Room.

TABLE 2
GENERAL MOTORS CORPORATION
NAO-FLINT OPERATIONS - FLINT, MICHIGAN

DESCRIPTION OF CURRENT CONDITIONS FOR AREAS NORTH OF LEITH STREET

SUMMARY OF AREAS OF INTEREST (AOIs)

AOI Id.	AOI Summary Description
05-3	Basement area of Building 43 beneath transmission component heat treating operations, containing a relatively large process waste oil sump, various other smaller sumps and drains, and intermittent pooling of oil on floor surfaces, as well as several former and existing ASTs and USTs located along the east side of the basement area.
05-4	"Cold Former Room," involving various metal forming operations utilizing various process oils and other fluids and recirculation trenches and sumps.
05-5 and 05-6	Southern and northern portions of Building 43 (respectively), involving various active process machinery, collection trenches, and sumps (both "wet" and "dry" operations). Due to the nature of the operations (i.e., full production), it is difficult to visually assess whether releases have occurred.
Factory 03 Area	
03-1	Overall area of the Factory 03 building complex, including various quenching and cooling oil systems utilized for various metal forging, quenching, and cooling operations, as well as various ancillary process waste sumps, process trenches, elevator pits, and process material storage areas. Past investigations of this area have indicated impacts to underlying soil and groundwater resulting from releases from associated operations.
Buildings 65 and 99 Area	
65-1	Overall area of Building 65, involving a main process waste pump station (Waste Station #5) for the Site's process wastewater treatment system. Oil has been historically observed on the floor of the basement at various locations.
Factory 81 Area	
81-1	Basement area beneath the southern and central portions of Building 71B, involving three metal machining chip/cooling and cutting oil filtration/processing operations, as well as an inactive hydraulic elevator, several process waste oil sumps and tanks, a drum storage area, and an inactive hazardous waste storage area. Oils intermittently pool throughout the basement area.
81-2	Area of active metal welding and machining and torque converter assembly operations performed in Buildings 70, 70B, 71, 72, 73, 73A, 73B, and 74 (both "wet" and "dry" operations), as well as area of former foundry operations performed in northern portion of Building 70 and areas of former "pig iron" and scrap steel storage immediately east of Buildings 70 and 73, respectively. Free-floating product is located immediately adjacent to Building 73.
81-3	Basement area of Building 70, involving former foundry operations, as well as an elevator pit along the west side of Building 70A, areas of "wet" metal machining operations in eastern portion of Building 73, and a forklift battery charging area in the northwest portion of Building 69. Floor staining noted within basement area; the integrity of basement floor is unknown.
81-4	Basement areas of Buildings 69A and 69B, involving facility air compressor operations. Past operations within this basement involved the draining of oils from compressors onto the floor; the integrity of basement floor is unknown.
81-5	Tanks 69A-1 through 69A-4 and 116, 117, 118, and 142 identified on the 1973 and 1991 Site Drawings and Tanks 86-1 through 86-5 identified on the 1991 Site Drawing. The concrete secondary containment area associated with these tanks contain standing transmission fluid, and the integrity of this containment is unknown.
Factory 83/84 Area	
83/84-1 through 83/84-3	Areas of various former and existing machining operations in Buildings 11, 32 (including two basements), and 66A/66D (both "wet" and "dry" operations). A prior release within Building 32 has been documented.
83/84-4	Former "wet" metal machining operation in central portion of Building 66, including three process oil collection/recirculation sumps, and an inactive rail loading area and associated floor sumps along the north side of Building 66C. The floor of the loading area is saturated with oil, and the associated floor sumps still contain oil (integrity unknown).
83/84-5	Various inactive or former process trenches and pits and an inactive heat treating tunnel, all in Building 66. Many of these units still contain various oils and/or other process fluids, and the integrity of these units is unknown.
83/84-6	Forklift battery charging area and associated trench and pit in central portion of Building 83A (contain oil) and drum storage area in the southern portion of Building 83 used for metal-working fluids and corrosion inhibitors (floor staining).

I:\Mlc.14774\46381.Mlc-Fint-North\Docs\DWG\PLANT 5\SAMPLE LOCATIONS 5

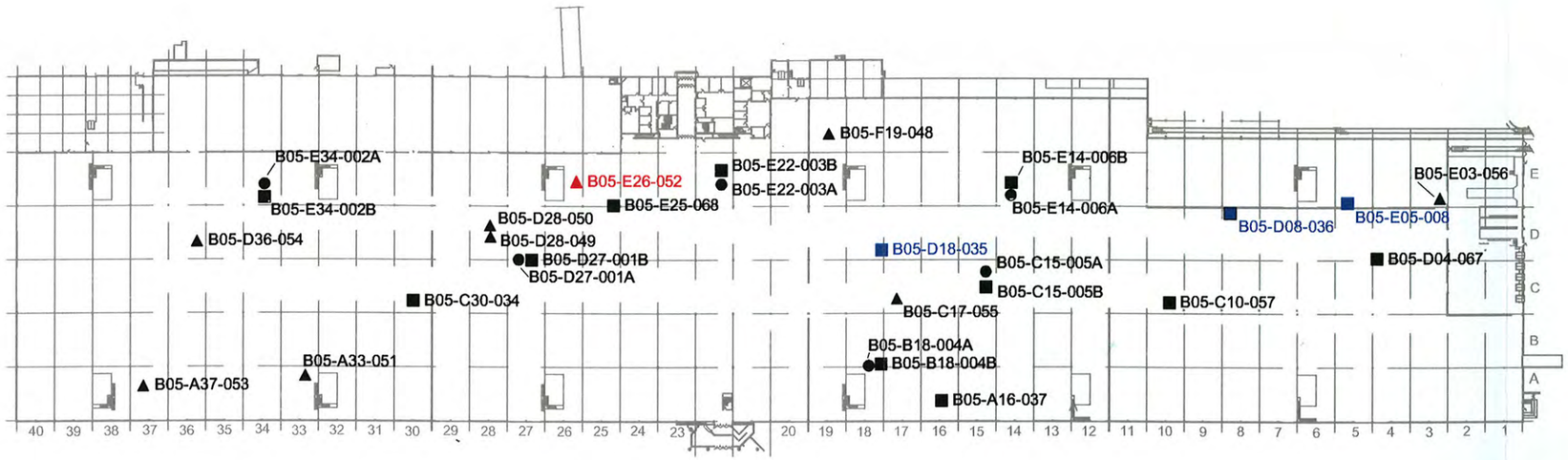


FIGURE 1

NORTH

LEGEND

- ● WIPE SAMPLE CONCENTRATION BELOW TSCA PCB
- ■ BULK SAMPLE CONCENTRATION BELOW TSCA PCB AND/OR RCRA METAL GUIDELINE
- ▲ CONCRETE/WOODBLOCK/MASTIC SAMPLE BELOW TSCA PCB AND/OR RCRA METAL GUIDELINE
- BLUE COLOR DENOTES SAMPLE CONCENTRATION IS ABOVE RCRA METAL GUIDELINE
- RED COLOR DENOTES SAMPLE CONCENTRATION IS ABOVE TSCA PCB CRITERIA

MOTORS LIQUIDATION CORPORATION
PLANT 5
FLINT, MI

PLANT 5 SITE MAP WITH SAMPLE LOCATIONS

NOTES
1. LAYOUT AREA AND SAMPLE LOCATIONS ARE APPROXIMATE
2. WIPE TSCA PCB CRITERIA = 10 ug/100cm^2
3. BULK TSCA PCB CRITERIA = 50,000 ug/kg
4. BULK RCRA METAL GUIDELINE = 20 TIMES MAXIMUM CONCENTRATION OF CONTAMINANTS FOR TOXICITY CHARACTERISTICS

1"=150' 150 0 150

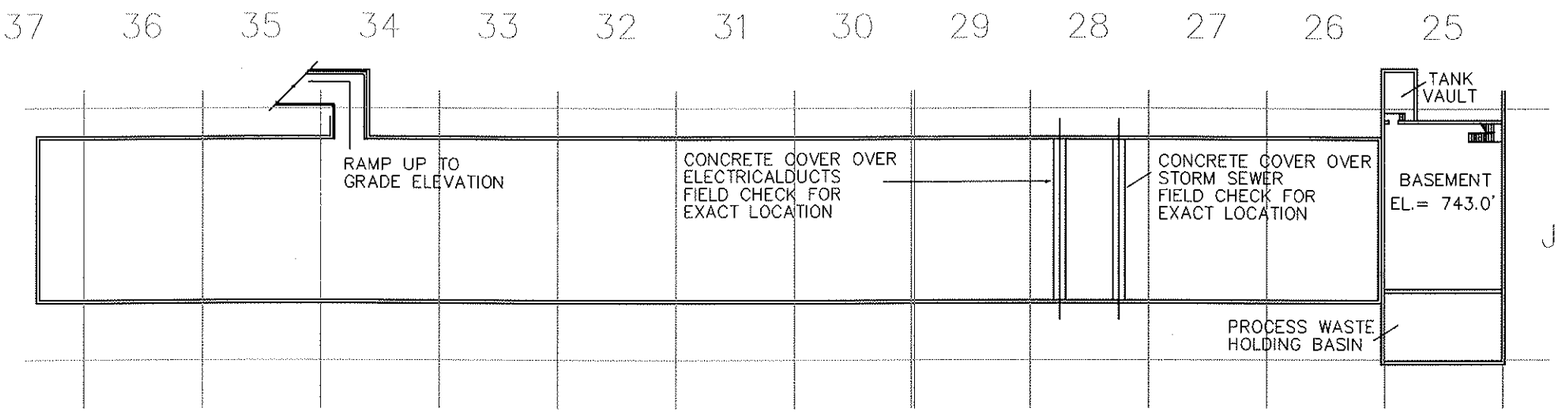
FILE NO. 14774.46381-001
OCTOBER 2010

O'BRIEN & GERE

10/12/10 TJK DIV.078

I:\Mlc.14774\46381.Mlc-Flnt-North\Docs\DWG\Plant 5\Plant 5 Basement layout

FIGURE 2



NORTH

MOTORS LIQUIDATION CORPORATION
FLINT, MI

PLANT 5
BASEMENT LAYOUT

1"=50' 50 0 50

FILE NO. 14774.46381-001
11/22/10

O'BRIEN & GERE

11/22/10 TJK Div. 078

MLC Flint North
Plant 5
Structure
FEA

Table 1

IOI AREA	IOI Item	Factory	FLOOR	LOCATION BAY	LOCATION COLUMN	CONTENTS/COMMENTS	SAMPLE REQ? (Y/N)	SAMPLE PARAMETERS	SAMPLE ID	Results
CFC	Window Air Conditioners	5	2			Throughout office areas				
CNV	FAB TEC Conveyor System	5	1			Throughout manufacturing area				
CNV	Overheard Conveyors	5	1	C	10	Throughout	Y	PCB	B05-C10-057	<1000 µg/Kg
CRT	Computer Monitors	5	1			Throughout				
CRT	Computer Monitors	5	2			Throughout				
CRT	Panel Display	5	1			On electrical panels of manufacturing equipment throughout				
CRT	Television Monitors	5	1			Throughout				
CRT	Television Monitors	5	2			Throughout				
CYL	Acetelyn	5	1			Various locations				
CYL	Compressed Air Helium Tanks	5	1			Outside of PLC Shipping and Receiving Area				
CYL	Compressed Air Tanks	5	1			CO2, Nitrogen, Oxygen				
CYL	Fire Extinguisher	5	1			Type: CO2, Dry, Water				
CYL	Fire Extinguisher	5	2			Type: CO2, Dry, Water				
CYL	Fire Suppression System	5	Exterior			CO2				
CYL	Oxygen	5	1			Various locations				
DUC	Duct Systems	5	1			Throughout facility				
DUC	Exhaust/Ducts	5	R			Active and decommissioned units				
DUS	Dust/Paint Sample on Truss	5	1	A	38	Common throughout the factory				
FFL	Fluid Fill Lines	5	1	F	19	Hydraulic supply lines				
FLR	Composite Block	5	1			On manufacturing floor				
FLR	Concrete Floor	5	B	F	19	Stained Concrete	Y	PCB	B05-F19-048	<1000 µg/Kg
FLR	Concrete Floor	5	1	A	37	Stained Concrete	Y	PCB	B05-A37-053	<1000 µg/Kg
FLR	Concrete Floor	5	1	D	36	Stained Concrete	Y	PCB	B05-D36-054	<1000 µg/Kg

MLC Flint North
Plant 5
Structure
FEA

Table 1

IOI AREA	IOI Item	Factory	FLOOR	LOCATION BAY	LOCATION COLUMN	CONTENTS/COMMENTS	SAMPLE REQ? (Y/N)	SAMPLE PARAMETERS	SAMPLE ID	Results
FLR	Concrete Floor	5	1	C	17	Stained Concrete	Y	PCB	B05-C17-055	<1000 µg/Kg
FLR	Concrete Floor	5	1	E	3	Stained Concrete	Y	PCB	B05-E03-056	<1000 µg/Kg
FLR	Concrete Floor	5	R			Old Sub Stations - suspected former PCB transformers were present here				
FLR	Oily soil	5	Exterior			East f heat treat near waste container and man hole				
FLR	Pad	5	Exterior			Containment area for Quench Oil Unload				
FLR	Pad	5	Exterior			Drum storage				
FLR	Ramp to Heat Treat Basement	5	B			Stained, strong odor				
FLR	Wood Block	5	1	D	28	Possible PCB	Y	PCB	B05-D28-049	27000 µg/Kg
FLR	Wood Block	5	1	A	33	Possible PCB	Y	PCB	B05-A33-051	2300 µg/Kg
FLR	Wood Block/Mastic	5	1	D	28	Possible PCB	Y	PCB	B05-D28-050	1600 µg/Kg
FLR	Wood Block/Mastic	5	1	E	26	Possible PCB	Y	PCB	B05-E26-052	54000 µg/Kg
FTR	Air Filters	5	1			On manufacturing equipment throughout				
FTR	Air Filters	5	R			In ASH				
FTR	Air Scrubber	5	1			Throughout manufacturing area				
FTR	Air Supply House	5	1			Located inside the high bay, bar machining department				
FTR	Air Supply Houses	5	R			Various locations				
FTR	Henry Filter	5	1			Throughout manufacturing area				
FTR	Oil Filters	5	1			On manufacturing equipment throughout				
FTR	Torit Dry Filters	5	1			Throughout manufacturing area				
LIT	Florescent Tubes w/ballast	5	1			Throughout factory				
LIT	Florescent Tubes w/ballast	5	2			Throughout factory				
LIT	Florescent Tubes w/ballast	5	B			Throughout factory				
LIT	Florescent Tubes w/ballast	5	1			Under Desk Cabinets throughout				

TABLE 3B
BRICK, BLOCK AND CONCRETE LABORATORY ANALYTICAL RESULTS - FACTORIES 5, 10 AND 81

DEACTIVATION REPORT
RACER TRUST
BUICK CITY - NORTHEND
FLINT, MICHIGAN

Analytes	Units	SAMPLE ID										
		10-EW56(102511)-SD	10-EW57 (111511)SD	10-EW58 (111511) SD	10-EW59(111511(SD	10-EW60 (111511)SD	10-EW48A(113011)CC	10-EW48B(113011)CC	10-EW48C(113011)CC	10-FLRH13(113011)CC	WTP-BLUETANK(22112) SL	5 HEAT TREAT FLR(22112)CC
Sample Date		**10/25/11**	**11/15/11**	**11/15/11**	**11/15/11**	**11/15/11**	**11/30/11**	**11/30/11**	**11/30/11**	**11/30/11**	**2/21/12**	**2/21/12**
PCBs												
Aroclor-1016	mg/kg	0.11 U	0.13 U	0.13 U	0.13 U	0.17 U	1.1 U	0.49 U	9.5 U	0.11 U	NA	ND
Aroclor-1221	mg/kg	0.08 U	0.097	0.097 U	0.096 U	0.13 U	0.86 U	0.37 U	7.2 U	0.083 U	NA	ND
Aroclor-1232	mg/kg	0.07 U	0.085 U	0.085 U	0.084 U	0.11 U	0.75 U	0.32 U	6.3 U	0.073 U	NA	ND
Aroclor-1242	mg/kg	0.59	1.7	0.56	0.27	0.12	11	0.30 U	170	0.51	NA	0.770 J
Aroclor-1248	mg/kg	0.085 U	0.1 U	0.1 U	0.1 U	0.13 U	0.91 U	1.9	7.7 U	0.088 U	NA	ND
Aroclor-1254	mg/kg	0.18	0.15	0.13	0.13	0.25	0.91 U	0.39 U	7.7 U	0.38	NA	0.880 J
Aroclor-1260	mg/kg	0.085 U	0.1 U	0.1 U	0.1 U	0.13 U	0.91 U	0.39 U	7.7 U	0.088 U	NA	ND
Total PCBs	mg/kg	0.77	1.85	0.69	0.4	0.37	11	1.9	170	0.89	NA	1.70
Inorganics												
Arsenic	mg/kg	1.7	1.9	1.5	3.5	1.7	2.2	1.9	2.2	4.1	ND	ND
Barium	mg/kg	1300	1,400	1,400	70	2,200	1,800	870	1,100	39	0.53 J B	0.094 J
Cadmium	mg/kg	0.032	0.098	0.036 U	0.033 U	0.15	0.037 U	0.073	0.037 U	0.087	ND	ND
Chromium	mg/kg	4.5	9.6	5.4	11	35	32	8.0	32	13	0.030 J	0.016 J
Copper	mg/kg	2.0	8.7	4.0	13	14	3.0	4.7	4.1	15	ND	NA
Lead	mg/kg	19	52	37	11	150	190	15	190	9.8	ND	ND
Mercury	mg/kg	0.86	0.024	2.6	0.014	0.078	0.015 U	1.1	0.040	0.014 U	ND	ND
Selenium	mg/kg	1.8	1.7	2.0	0.18	2.2	3.0	3.0	3.1	0.18	0.010 J	ND
Silver	mg/kg	0.016	0.021	0.021	0.015 U	0.024	0.031	0.027	0.031	0.036	ND	ND
Zinc	mg/kg	660	550	790	19	1,000	780	1,400	410	18	1.9 B	NA

Notes:

Qualifier Type	Lab Qualifiers	Definition
Inorganic	J	Indicates estimated value less than reporting limit, but greater than MDL.
Inorganic	ND	None detected.
Inorganic	U	The compound was analyzed for but not

Samples were collected by Brandenburg and submitted to Test America Laboratories.
All concentrations are reported as parts per million (ppm) or mg/kg

PCB = Polychlorinated Biphenyl
T = Total
ND = Not detected

na = not applicable
NA = Not Analyzed
ID = Inadequate data to develop criterion.
NLL = hazardous substance is not likely to leach under most soil

Attachment 4

Block 4 AOI Summary and Concrete Results

TABLE 2
GENERAL MOTORS CORPORATION
NAO-FLINT OPERATIONS - FLINT, MICHIGAN

DESCRIPTION OF CURRENT CONDITIONS FOR AREAS NORTH OF LEITH STREET

SUMMARY OF AREAS OF INTEREST (AOIs)

AOI Id.	AOI Summary Description
05-3	Basement area of Building 43 beneath transmission component heat treating operations, containing a relatively large process waste oil sump, various other smaller sumps and drains, and intermittent pooling of oil on floor surfaces, as well as several former and existing ASTs and USTs located along the east side of the basement area.
05-4	"Cold Former Room," involving various metal forming operations utilizing various process oils and other fluids and recirculation trenches and sumps.
05-5 and 05-6	Southern and northern portions of Building 43 (respectively), involving various active process machinery, collection trenches, and sumps (both "wet" and "dry" operations). Due to the nature of the operations (i.e., full production), it is difficult to visually assess whether releases have occurred.
Factory 03 Area	
03-1	Overall area of the Factory 03 building complex, including various quenching and cooling oil systems utilized for various metal forging, quenching, and cooling operations, as well as various ancillary process waste sumps, process trenches, elevator pits, and process material storage areas. Past investigations of this area have indicated impacts to underlying soil and groundwater resulting from releases from associated operations.
Buildings 65 and 99 Area	
65-1	Overall area of Building 65, involving a main process waste pump station (Waste Station #5) for the Site's process wastewater treatment system. Oil has been historically observed on the floor of the basement at various locations.
Factory 81 Area	
81-1	Basement area beneath the southern and central portions of Building 71B, involving three metal machining chip/cooling and cutting oil filtration/processing operations, as well as an inactive hydraulic elevator, several process waste oil sumps and tanks, a drum storage area, and an inactive hazardous waste storage area. Oils intermittently pool throughout the basement area.
81-2	Area of active metal welding and machining and torque converter assembly operations performed in Buildings 70, 70B, 71, 72, 73, 73A, 73B, and 74 (both "wet" and "dry" operations), as well as area of former foundry operations performed in northern portion of Building 70 and areas of former "pig iron" and scrap steel storage immediately east of Buildings 70 and 73, respectively. Free-floating product is located immediately adjacent to Building 73.
81-3	Basement area of Building 70, involving former foundry operations, as well as an elevator pit along the west side of Building 70A, areas of "wet" metal machining operations in eastern portion of Building 73, and a forklift battery charging area in the northwest portion of Building 69. Floor staining noted within basement area; the integrity of basement floor is unknown.
81-4	Basement areas of Buildings 69A and 69B, involving facility air compressor operations. Past operations within this basement involved the draining of oils from compressors onto the floor; the integrity of basement floor is unknown.
81-5	Tanks 69A-1 through 69A-4 and 116, 117, 118, and 142 identified on the 1973 and 1991 Site Drawings and Tanks 86-1 through 86-5 identified on the 1991 Site Drawing. The concrete secondary containment area associated with these tanks contain standing transmission fluid, and the integrity of this containment is unknown.
Factory 83/84 Area	
83/84-1 through 83/84-3	Areas of various former and existing machining operations in Buildings 11, 32 (including two basements), and 66A/66D (both "wet" and "dry" operations). A prior release within Building 32 has been documented.
83/84-4	Former "wet" metal machining operation in central portion of Building 66, including three process oil collection/recirculation sumps, and an inactive rail loading area and associated floor sumps along the north side of Building 66C. The floor of the loading area is saturated with oil, and the associated floor sumps still contain oil (integrity unknown).
83/84-5	Various inactive or former process trenches and pits and an inactive heat treating tunnel, all in Building 66. Many of these units still contain various oils and/or other process fluids, and the integrity of these units is unknown.
83/84-6	Forklift battery charging area and associated trench and pit in central portion of Building 83A (contain oil) and drum storage area in the southern portion of Building 83 used for metal-working fluids and corrosion inhibitors (floor staining).

TABLE 2
GENERAL MOTORS CORPORATION
NAO-FLINT OPERATIONS - FLINT, MICHIGAN

DESCRIPTION OF CURRENT CONDITIONS FOR AREAS NORTH OF LEITH STREET

SUMMARY OF AREAS OF INTEREST (AOIs)

AOI Id.	AOI Summary Description
83/84-7	Tanks 50 through 58 identified on the 1973 Site Drawing and Tanks 88-1 through 88-4 and 88-11 identified on the 1991 Site Drawing. A prior release(s) from these tanks has been documented.
Buildings 21 and 97 Area	
21-1	Overall area of Building 21 and area immediately to the southeast of Building 21, involving former metal machining chip briquetting operations and current metal welding and tool grinding operations and heat treatment laboratories. The former briquetting operations purportedly involved the release of oils to soil surfaces in this area.
Buildings 15, 61, 61A, and 85 Area	
85-1	Elevator pit along the north-central side of Building 85, trenches related to engine test area in the eastern portion of Building 85, and a basement/vault area toward the center of Building 85. The integrity of these units is unknown.
Buildings 86 and 86A Area	
86-1	Overall area of Building 86 and areas immediately southeast and west of Building 86, collectively involving a hazardous waste drum storage area, a process waste oil pump station (integrity unknown), a waste transport vehicle storage area (pavement staining; integrity unknown), and Tanks 59 through 65 identified on the 1973 Site Drawing (documented release).
Building 07 Area	
07-1	Former coal yard immediately north of Building 07 (unlined) and several other process facilities (e.g., waste sludge dump station and waste sludge storage tanks) along north side of Building 07 (integrity unknown).
07-2	Inactive lime "Slaker House" and adjacent inactive lime slurry tank adjacent to the southwest corner of Building 07 (integrity unknown).
07-3	Two elevator pits in the northcentral and southcentral portions of Building 07 and bulk sulfuric acid storage area in the southeast corner of Building 07 (integrity unknown).

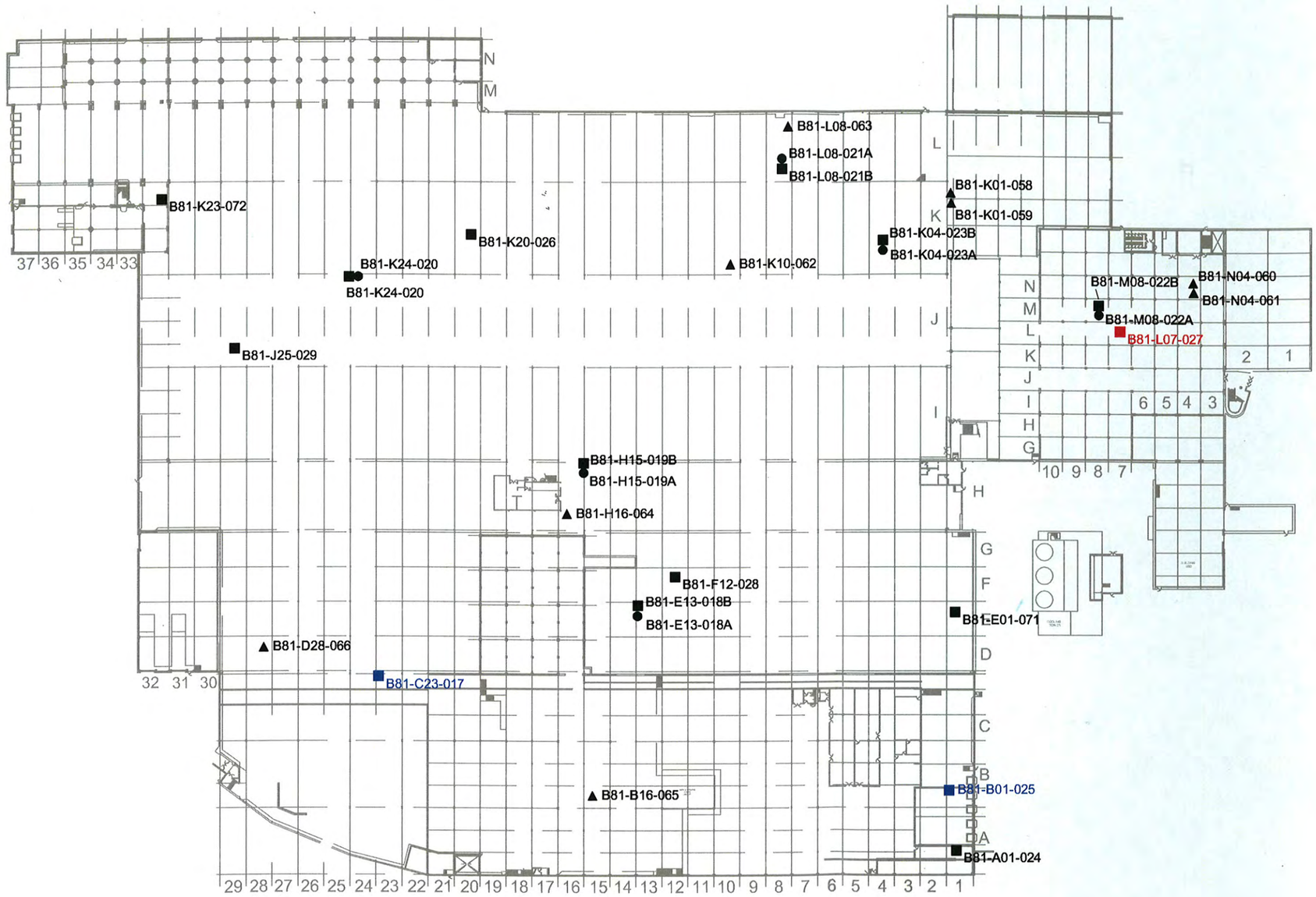
Notes:

1: AST: Aboveground Storage Tank; refer to Table 3 for additional information.

2: UST: Underground Storage Tank; refer to Table 3 for additional information.

3: 1973 Site Drawing and 1991 Site Drawing: Refer to GM's Buick Motor Division Drawing No. 42361-M, dated 1973 and Flint Automotive Division Drawing No. C70444-M, dated 1991, respectively.

I:\Mlc.14774\46381.Mlc-Flnt-North\Docs\DWG\PLANT 81\SAMPLE LOCATIONS 81



NOTES
1. LAYOUT AREA AND SAMPLE LOCATIONS ARE APPROXIMATE
2. WIPE TSCA PCB CRITERIA = 10 ug/100cm^2
3. BULK TSCA PCB CRITERIA = 50,000 ug/kg
4. BULK RCRA METAL GUIDELINE = 20 TIMES MAXIMUM CONCENTRATION OF CONTAMINANTS FOR TOXICITY CHARACTERISTICS

FIGURE 5

NORTH

LEGEND

- ● WIPE SAMPLE CONCENTRATION BELOW TSCA PCB
- ■ BULK SAMPLE CONCENTRATION BELOW TSCA PCB AND/OR RCRA METAL GUIDELINE
- ▲ CONCRETE/WOODBLOCK/MASTIC SAMPLE BELOW TSCA PCB AND/OR RCRA METAL GUIDELINE
- BLUE COLOR DENOTES SAMPLE CONCENTRATION IS ABOVE RCRA METAL GUIDELINE
- RED COLOR DENOTES SAMPLE CONCENTRATION IS ABOVE TSCA PCB CRITERIA

MOTORS LIQUIDATION CORPORATION
PLANT 81
FLINT, MI

PLANT 81 SITE MAP WITH SAMPLE LOCATIONS

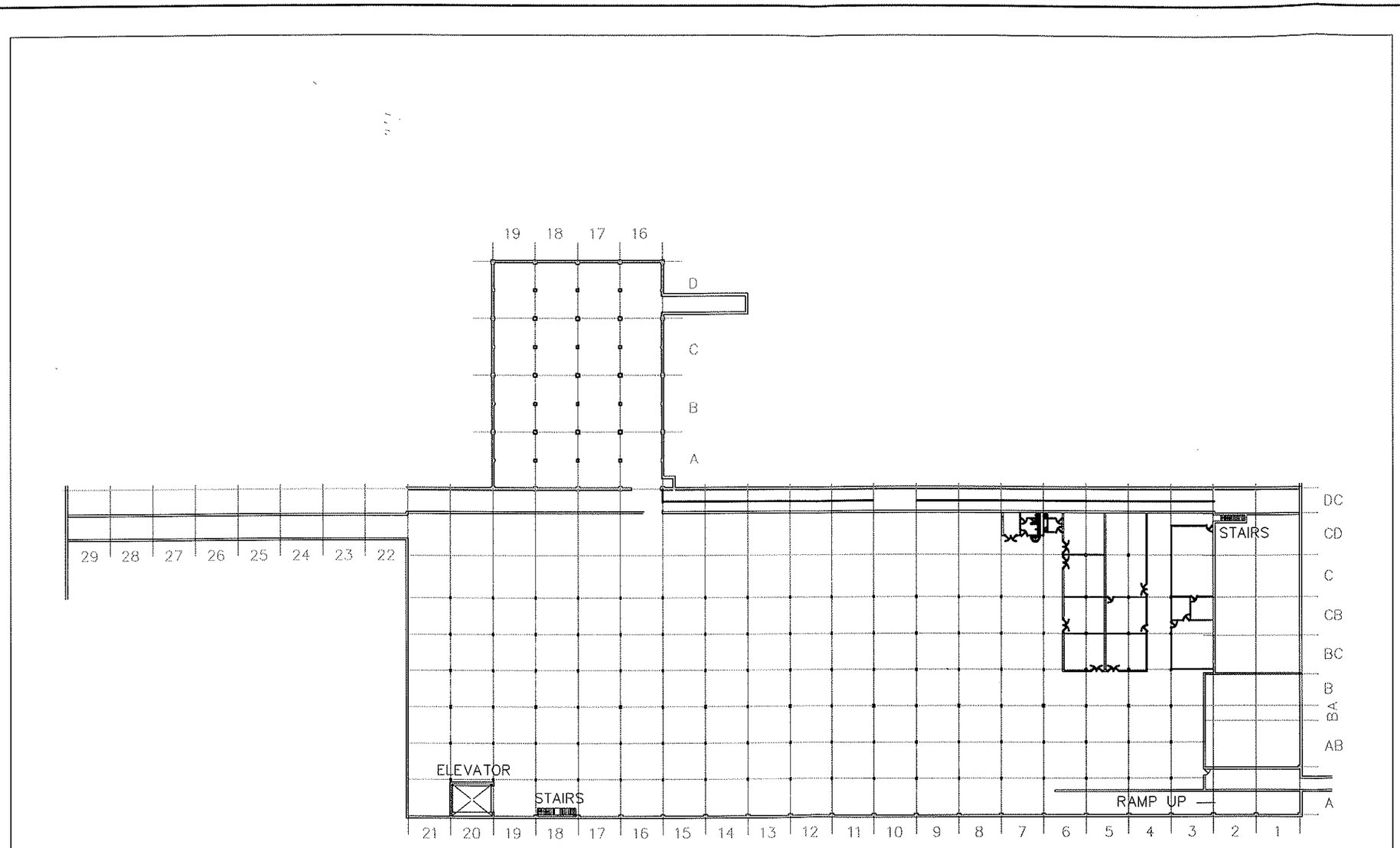
1"=100' 100 0 100

FILE NO. 14774.46381-001
OCTOBER 2010

O'BRIEN & GERE

10/12/10 TJK DIV.078

FIGURE 6



NORTH

MOTORS LIQUIDATION
CORPORATION
FLINT, MI

PLANT 81
BASEMENT LAYOUT

1"=60' 60 0 60

FILE NO. 14774.46381-001
11/22/10

O'BRIEN & GERE

I:\Mlc.14774\46381.Mlc-Flnt-North\Docs\DWG\Plant 81\Plant 81 Basement layout

11/22/10 TJK Div. 078

MLC Flint North
Plant 81
Structure
FEA

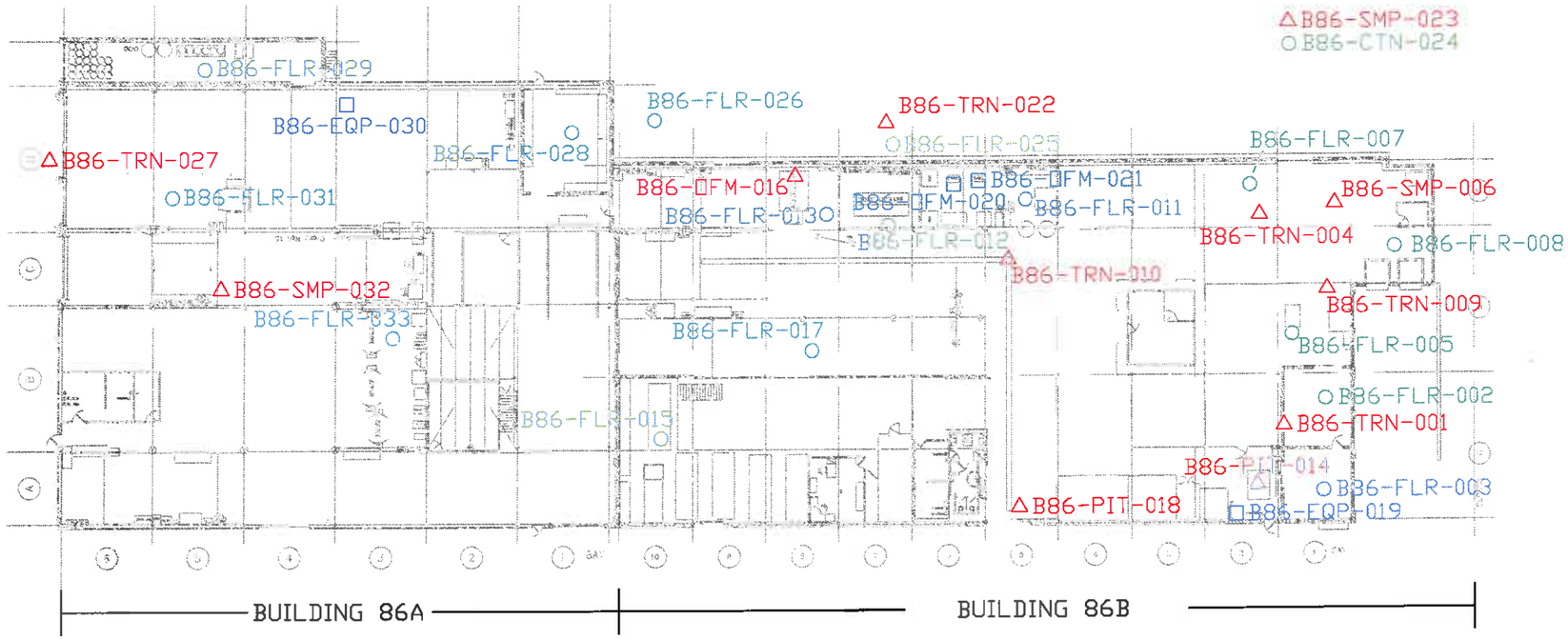
Table 5

DUS	Dust/Debris	81	B			Buildup of material on floor				
FFL	Fluid Fill Lines	81	Exterior			On east side of facility				
FLR	Concrete Floor	81	R			Stained concrete in old substation				
FLR	Concrete Floor	81	1	K	10	Stained concrete	Y	PCB	B81-K10-062	<1000 µg/Kg
FLR	Concrete Floor	81	1	L	8	Stained concrete	Y	PCB	B81-L08-063	<1000 µg/Kg
FLR	Concrete Floor	81	1	H	16	Stained concrete	Y	PCB	B81-H16-064	<1000 µg/Kg
FLR	Concrete Floor	81	1	B	16	Stained concrete	Y	PCB	B81-B16-065	<1000 µg/Kg
FLR	Concrete Floor	81	1	D	28	Stained concrete	Y	PCB	B81-D28-066	<1000 µg/Kg
FLR	Wood Block Floor	81	1	K	1	Possible contamination (Bldg 69)	Y	PCB	B81-K01-058	<1000 µg/Kg
FLR	Wood Block Floor	81	1	N	4	Possible contamination (Bldg 69)	Y	PCB	B81-N04-060	2500 µg/Kg
FLR	Wood Block Floor Mastic	81	1	K	1	Possible contamination (Bldg 69)	Y	PCB	B81-K01-059	<1000 µg/Kg
FLR	Wood Block Floor Mastic	81	1	N	4	Possible contamination (Bldg 69)	Y	PCB	B81-N04-061	<1000 µg/Kg
FTR	Air Filters	81	1			On manufacturing equipment throughout				
FTR	Air Filters	81	2			In ASH				
FTR	Air Supply House	81	2			Various locations				
FTR	Henry Filter	81	1			Throughout manufacturing areas				
FTR	Torit Dry Filters	81	1			Throughout				
LIT	Fluorescent Lights	81	1			Throughout facility				
LIT	Fluorescent Lights	81	2			Various locations				
LIT	Fluorescent Lights	81	R			In ASH				
LIT	Fluorescent Lights	81	B			Throughout basement area				
LIT	HID Lamps	81	Exterior			Throughout the grounds				
LIT	HID Lamps	81	1			Throughout facility				
LIT	HID Lamps	81	R			Throughout roof area				
MCD	Thermometer	81	R			Various locations				

ARCADIS

Attachment 6

FIGURE 3



LEGEND

△ FEA SAMPLE LOCATION – BULK
○ FEA SAMPLE LOCATION – FLOOR CORING
□ FEA SAMPLE LOCATION – WIPE

GENERAL NOTES:
1. SAMPLE LOCATIONS ARE APPROXIMATE

FIGURE NOTES:
(none)

GENERAL MOTORS CORPORATION
FLINT POWERTRAIN NORTH
FLINT, MICHIGAN

FACILITY ENVIRONMENTAL ASSESSMENT

SAMPLE LOCATION MAP

BUILDING 86A/86B FIRST FLOOR

1"=40' 40 0 40

FILE NO. 4966.41402-003
MARCH 2008

O'BRIEN & GERE

GENERAL MOTORS CORPORATION
Flint North Buildings 86A and 86B
Flint, MI
FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 3 - AREAS OF INTEREST

UNIT ID	AREA OF INTEREST	ITEM OF INTEREST	BLDG	FLOOR	BAY	COLUMN	QUANTITY	UNITS	COMMENTS	SAMPLE ID	SAMPLE TYPE	PARAMETERS OF CONCERN	RESULTS	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	PCB-1016	PCB-1242	PCB-1221	PCB-1232	PCB-1248	PCB-1254	PCB-1260	TOTAL PCB
1	TNK	Tank	86A	1	A	7	3	Each	150 gal. Each, hot water tank				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2	CNT	Pail	86A	1	A	7	19	Each	5 gal. Each, glue				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3	TRA	Transformer	86A	1	A	10	1	Each	Verify type				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4	CNT	Pail	86A	1	A	10	13	Each	5 gal. Each, crack sealant				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5	LIT	Fluorescent bulb boxes	86A	1	A	11	5	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6	LIT	Fluorescent bulb boxes	86A	1	A	11	23	Each	4'				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7	LIT	Ballast	86A	1	A	11	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8	OFM	Gear drive - overhead	86A	1	A	12	0.5	Gal	Door opener				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9	LIT	Fluorescent bulb boxes	86A	1	A	12	6	Each	4'				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10	LIT	Exit sign	86B	1	A	1	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11	OFM	Gear drive - overhead	86B	1	A	1	0.5	Gal					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	CYL	Fire extinguisher	86B	1	A	1	1	Each	On column post				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	MIS	Spray adhesive	86A	1	A	10	2	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14	MIS	Joint adhesive tube	86A	1	A	10	1	Each	1 box				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
15	BAT	Road light batteries	86A	1	A	10	8	Each	8 boxes				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16	CNT	Pail	86A	1	A	10	2	Each	5 gal. Each, back hoe hydraulic oil				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17	FLR	Concrete	86A	1	A	2	0	Each	Partly Under water, sampled dry area.	B86-FLR-003	Core	PCB		--	--	--	--	--	--	--	--	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
18	SMP	Sump	86A	1	A	3	42	SF	Oil on bottom	B86-PIT-014	Bulk	PCB, Metals		0.65	23.9	0.44	7.1	24.9	0.072	<.400	<.100	<1	<1	<1	<1	<1	<1	<1	<1
19	OFM	Gear drive	86A	1	A	3	2	Each	On pumps	B86-EQP-019	Wipe	PCB		--	--	--	--	--	--	--	--	<1	<1	<1	<1	<1	<1	<1	<1
20	LIT	Exit sign	86A	1	A	3	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
21	EQP	Sand blaster	86B	1	A	3	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
22	FTR	Dust filter	86B	1	A	3	1	Each	On sand blaster				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
23	CYL	Fire extinguisher	86A	1	A	4	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
24	OFM	Gear drive - overhead	86B	1	A	4	0.5	Gal					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
25	FLR	Concrete	86A	1	A	5	1	Each	Confined space crib, staining, locked				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

GENERAL MOTORS CORPORATION
Flint North Buildings 86A and 86B
Flint, MI
FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 3 - AREAS OF INTEREST

UNIT ID	AREA OF INTEREST	ITEM OF INTEREST	BLDG	FLOOR	BAY	COLUMN	QUANTITY	UNITS	COMMENTS	SAMPLE ID	SAMPLE TYPE	PARAMETERS OF CONCERN	RESULTS	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	PCB-1016	PCB-1242	PCB-1221	PCB-1232	PCB-1248	PCB-1254	PCB-1260	TOTAL PCB
26	CYL	Air tank	86A	1	A	5	2	Each	Decommissioned confined space cart				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
27	CYL	Compressed gas	86B	1	A	5	2	Each	1 oxygen, 1 acetylene				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
28	OFM	Gear drive - overhead	86A	1	A	6	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
29	CFC	Refrigerator	86B	1	A	6	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
30	CRA	Overhead crane	86B	1	A	6	0.5	Gal	Electric crane, small gearbox, 2 ton				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
31	CRA	Overhead crane	86B	1	A	6	0.5	Gal	Electric crane, small gearbox, 3 ton				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
32	CYL	Fire extinguisher	86A	1	A	7	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
33	OFM	Motor	86A	1	A	7	1	Each	Inaccessible, overhead				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
34	PIT	Pit	86A	1	A	7	4	SF	Seemed to have fake bottom	B86-PIT-018	Bulk	PCB, Metals	2.78	11.1	1.57	29.8	94.4	<.05	<.400	0.24	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
35	OFM	Gear drive - overhead	86A	1	A	7	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
36	CFC	AC unit	86A	1	A	7	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
37	LIT	Fluorescent lighting	86A	1	A	7	0	Each	In bathroom and locker room				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
38	CFC	Drinking fountain	86A	1	A	7	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
39	CRT	Television	86A	1	A	9	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
40	CFC	Refrigerator	86A	1	A	9	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
41	CFC	AC unit	86A	1	A	9	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
42	CRT	Computer Monitor	86A	1	A	9	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
43	TNK	Tank	86A	1	A	9	2	Each	Propane tanks				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
44	CNT	Pail	86A	1	A	9	3	Each	5 gal. Each, joint sealant				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
45	LIT	Fluorescent bulb boxes	86A	1	A-B	6	4	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
46	CNT	Pail	86A	1	A-B	6	9	Each	5 gal. Each				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
47	TRN	Trench	86A	1	A-E	7-11	140	LF	16" wide, 6" deep	B86-TRN-010	Bulk	PCB, Metals	1.41	19.8	1.14	44.4	**106**	0.533	<.400	0.16	<1	<1	<1	<1	<1	<1	<1	<1	<1
48	OFM	Dock leveler	86A	1	B	1	2	Each	Access during O&C				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
49	CNT	Drum	86A	1	B	7	3	Each	55 gal., unknown contents				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50	CYL	Compressed air	86A	1	B	7	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
51	BAT	Battery charger	86A	1	B	11	3	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
52	CYL	Fire extinguisher	86A	1	B	11	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
53	TRA	Transformer	86A	1	B	12	1	Each	Verify type				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

GENERAL MOTORS CORPORATION
Flint North Buildings 86A and 86B
Flint, MI
FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 3 - AREAS OF INTEREST

UNIT ID	AREA OF INTEREST	ITEM OF INTEREST	BLDG	FLOOR	BAY	COLUMN	QUANTITY	UNITS	COMMENTS	SAMPLE ID	SAMPLE TYPE	PARAMETERS OF CONCERN	RESULTS	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	PCB-1016	PCB-1242	PCB-1221	PCB-1232	PCB-1248	PCB-1254	PCB-1260	TOTAL PCB
54	CAP	Capacitor	86B	1	B	1	1	Each	non-PCB liquid, south wall, paint booth air handling EQP				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
55	BTH	Paint booth	86B	1	B	1	1	Each	15' x 36' area				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
56	BAT	Battery charger	86A	1	B	10	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
57	CNT	Drum	86A	1	B	11	2	Each	55 gal. Each, windshield washer fluid				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
58	TNK	Tank	86A	1	B	11	100	Gal	All purpose cleaner				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
59	CNT	Drum	86A	1	B	11	55	Gal	Degreaser				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
60	CNT	Drum	86A	1	B	11	55	Gal	Unknown contents				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
61	CRT	Television	86A	1	B	11	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
62	CFC	Refrigerator	86A	1	B	11	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
63	CRT	Television	86A	1	B	11-12	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
64	CRT	Television	86B	1	B	2	1	Each	Break room				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
65	CFC	Window AC unit	86B	1	B	2	1	Each	Break room				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
66	CFC	Refrigerator	86B	1	B	2	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
67	FLR	Concrete	86A	1	B	2	0	Each		B86-FLR-002	Core	PCB	--	--	--	--	--	--	--	--	--	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
68	BAT	Battery charger	86A	1	B	3	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
69	PIT	Pit	86A	1	B	3	6	SF	Oil on bottom	B86-TRN-004	Bulk	PCB, Metals	5.93	223	3.26	18.4	**101**	0.08	0.43	0.15	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
70	EQP	Lift	86B	1	B	3	6	Each	Mohawk vehicle lift stations, 3 pairs, each has 1 gal. Hydraulic fluid				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
71	CYL	Compressed gas	86B	1	B	3	4	Each	2 oxygen, 2 acetylene, on 2 torch carts				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
72	CFC	Ice machine	86A	1	B	4	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
73	FTR	Water filter	86A	1	B	4	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
74	CNT	Drum	86A	1	B	5	2	Each	55 gal. Each, unknown contents				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
75	CFC	AC unit	86A	1	B	5	2	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
76	CFC	Drinking fountain	86B	1	B	5	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77	CYL	Fire extinguisher	86B	1	B	5	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
78	EQP	Compressor	86B	1	B	5	1	Each	Ingersoll				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
79	CNT	Pail	86A	1	B	6	17	Each	5 gal. Each, flashing cement				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
80	MIS	Deck resurfacer	86A	1	B	6	28	Each	50 pound bags				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
81	MIS	Hydraulic cement	86A	1	B	6	8	Each	Bags				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

GENERAL MOTORS CORPORATION
Flint North Buildings 86A and 86B
Flint, MI
FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 3 - AREAS OF INTEREST

UNIT ID	AREA OF INTEREST	ITEM OF INTEREST	BLDG	FLOOR	BAY	COLUMN	QUANTITY	UNITS	COMMENTS	SAMPLE ID	SAMPLE TYPE	PARAMETERS OF CONCERN	RESULTS	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	PCB-1016	PCB-1242	PCB-1221	PCB-1232	PCB-1248	PCB-1254	PCB-1260	TOTAL PCB
82	MIS	Grout and mortar mix	86A	1	B	6	7	Each	50 pound bags				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
83	CYL	Fire extinguisher	86A	1	B	6	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
84	CFC	Window AC unit	86B	1	B	6	3	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
85	LIT	4' 4 bulb 2 ballast fluorescent lighting	86B	1	B	6	0	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
86	CYL	Fire extinguisher	86B	1	B	6	5	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
87	CRT	Computer Monitor	86B	1	B	6	3	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
88	CFC	Refrigerator	86B	1	B	6	1	Each	In office				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
89	LIT	Exit sign	86B	1	B	6	1	Each	Man door				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
90	ELB	Emergency lighting	86B	1	B	6	1	Each	Man door				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
91	CYL	Fire extinguisher	86B	1	B	6	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
92	FLR	Concrete	86A	1	B	7-10	6	SF	In crib, staining	B86-FLR-015	Core	PCB	--	--	--	--	--	--	--	--	--	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
93	CFC	AC unit	86A	1	B	8	1	Each	On cart				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
94	CYL	Fire extinguisher	86A	1	B	8	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
95	ELB	Emergency lighting	86A	1	B	8-9	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
96	OFM	Hydraulic unit	86A	1	B	9	2	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
97	CNT	Drum	86A	1	B	9	55	Gal	Tire lube				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
98	FLR	Concrete	86A	1	B	9	150	SF	Crib	B86-FLR-017	Core	PCB	--	--	--	--	--	--	--	--	--	<.330	<.330	<.330	<.330	<.330	0.47	<.330	0.47
99	ELB	Emergency lighting	86A	1	B-C	12	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
100	FLR	Concrete	86A	1	B-C	2-4	1500	SF	Haz. Mat. Working area	B86-FLR-005	Core	PCB	--	--	--	--	--	--	--	--	--	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
101	FLR	Concrete	86B	1	B-C	3	600	SF	Various staining	B86-FLR-033	Core	PCB	--	--	--	--	--	--	--	--	--	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
102	CFC	Window AC unit	86A	1	C	1	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
103	CRT	Television	86A	1	C	1	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
104	FTR	Air line lubricator	86A	1	C	2	2	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
105	SMP	Sump	86A	1	C	2	6	SF	4' deep, corner of pit	B86-SMP-006	Bulk	PCB, Metals	1.42	1060	0.93	55	**193**	<.050	<.4	0.17	<1	<1	<1	<1	<1	<1	<1	<1	<1
106	PIT	Pit	86A	1	C	2	25	SF		B86-SMP-009	Bulk	PCB, Metals	2.61	105	2.2	69.6	**189**	0.351	<.40	0.81	<1	<1	<1	<1	<1	<1	<1	<1	<1
107	OFM	Drum crusher	86A	1	C	2	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108	PIT	Pit	86A	1	C	3	36	SF	8" deep, see sample 008				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
109	FTR	Air line lubricator	86A	1	C	3	2	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
110	FLR	Concrete	86A	1	C	1	200	SF	Stained/eroded in front of truck docks	B86-FLR-008	Core	PCB	--	--	--	--	--	--	--	--	--	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
111	BAT	Automotive	86A	1	C	10	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
112	CNT	Pail	86A	1	C	11	15	Each	5 gal. Each, sulfuric acid, empty				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
113	BAT	Automotive	86A	1	C	11	12	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

GENERAL MOTORS CORPORATION
Flint North Buildings 86A and 86B
Flint, MI
FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 3 - AREAS OF INTEREST

UNIT ID	AREA OF INTEREST	ITEM OF INTEREST	BLDG	FLOOR	BAY	COLUMN	QUANTITY	UNITS	COMMENTS	SAMPLE ID	SAMPLE TYPE	PARAMETERS OF CONCERN	RESULTS	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	PCB-1016	PCB-1242	PCB-1221	PCB-1232	PCB-1248	PCB-1254	PCB-1260	TOTAL PCB
114	CYL	Air tank	86A	1	C	12	2	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
115	CYL	Fire extinguisher	86A	1	C	12	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
116	MIS	Flamable storage cabinet	86B	1	C	2	2	Each	40-50 aerosols, 20 30 solvents/lubes				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
117	TRN	Trench	86A	1	C	2-5	74	LF	Hazardous waste storage	B86-TRN-004	Bulk	PCB, Metals	5.93	223	3.26	18.4	**101**	0.08	0.43	0.15	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
118	CNT	Drum	86A	1	C	2-5	18	Each	55 gal. Each, being actively moved				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
119	CYL	Fire extinguisher	86A	1	C	3	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
120	FTR	Air filter	86A	1	C	3	2	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
121	CRA	Overhead crane	86B	1	C	3	0.5	Gal	3 ton, electric, small gear box				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
122	CNT	Drum	86B	1	C	3	55	Gal	Solvent (parts cleaner)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
123	EQP	Filter press	86B	1	C	3	1	Each	Electric				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
124	FTR	Air line lubricator	86A	1	C	4	4	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
125	CYL	Fire extinguisher	86A	1	C	5	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
126	CRT	Computer Monitor	86A	1	C	5	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
127	TNK	Tank	86B	1	C	6	3	Each	300 gal. Each, oil, elevated on stands				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
128	CTN	Containment	86B	1	C	6	1	Each	Metal drip pan/containment				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
129	CTN	Containment	86B	1	C	6	1	Each	Plastic portable drum containment				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
130	CYL	Fire extinguisher	86B	1	C	6	3	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
131	SMP	Sump	86B	1	C	6	9	SF	Deep with sludge/liquid	B86-SMP-032	Bulk	PCB, Metals	<.200	<.100	<.200	1.6	2	<.05	<.400	<.100	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
132	CYL	Fire extinguisher	86A	1	C	7	1	Each																					
133	CTN	Flam. Storage Area	86A	Ext.	C	7-8	200	SF	Area protected by spill trench	B86-CTN-025	Core	PCB	--	--	--	--	--	--	--	--	--	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
134	CNT	Drum	86A	1	C	8	55	Gal	neutralizing soda				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
135	CNT	Drum	86A	1	C	9	3	Each	55 gal. Each, hydraulic oil				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
136	FTR	Air line lubricator	86A	1	C	9	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
137	OFM	Drum pump	86A	1	C	9	1	Each	Alloy grease				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
138	CYL	Fire extinguisher	86A	1	C	9	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
139	CNT	Drum	86A	1	C	9	3	Each	5 gal. Each, sulfuric acid				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
140	FLR	Concrete	86A	1	C	9	0	Each	Staining	B86-FLR-016	Core	PCB	--	--	--	--	--	--	--	--	--	<1	<1	<1	<1	<1	<1	<1	<1
141	FLR	Concrete	86B	1	C-D	5-6	1400	SF	Truck dock, heavy staining	B86-FLR-031	Core	PCB	--	--	--	--	--	--	--	--	--	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330

GENERAL MOTORS CORPORATION
Flint North Buildings 86A and 86B
Flint, MI
FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 3 - AREAS OF INTEREST

UNIT ID	AREA OF INTEREST	ITEM OF INTEREST	BLDG	FLOOR	BAY	COLUMN	QUANTITY	UNITS	COMMENTS	SAMPLE ID	SAMPLE TYPE	PARAMETERS OF CONCERN	RESULTS	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	PCB-1016	PCB-1242	PCB-1221	PCB-1232	PCB-1248	PCB-1254	PCB-1260	TOTAL PCB
142	CYL	Condensate tank	86A	1	D	1	2	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
143	CFC	Refrigerator	86A	1	D	1	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
144	OFM	Motor	86A	1	D	1	1	Each	Blower motor				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
145	CTN	Secondary containment	86B	1	D	1	750	SF	25' x 30', paint and PCB storage	B86-FLR-028	Core	PCB	--	--	--	--	--	--	--	--	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
146	MIS	Paint containers	86B	1	D	1	40	Each	Appprox. 1 gal. Each				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
147	CNT	Drum	86B	1	D	1	55	Gal	"Dog house debris"				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
148	CNT	Drum	86B	1	D	1	55	Gal	Oil				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
149	CRA	Overhead crane	86B	1	D	2	0.5	Gal	3 ton, has gearbox				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
150	CNT	Drum	86B	1	D	2	55	Gal	Oily rags				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
151	FLR	Concrete	86A	1	D	3	0	Each	Staining in waste storage area	B86-FLR-007	Core	PCB	--	--	--	--	--	--	--	--	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
152	LIT	Exit sign	86A	1	D	3	1	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
153	EQP	Press	86B	1	D	3	1	Each	10 ton, 86GAR-012, see sample 003				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
154	OFM	Oil reservoir	86B	1	D	3	50	Gal	Part of 86GAR-012	B86-EQP-030	Wipe	PCB	--	--	--	--	--	--	--	--	<1	<1	<1	<1	<1	<1	<1	<1
155	OFM	Overhead crane	86B	1	D	3-6	3	Gal	10 ton, with gear boxes, inaccessible				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
156	CNT	Drum	86B	1	D	5	55	Gal	Aerosol cans				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
157	CNT	Drum	86B	1	D	5	55	Gal	Oil filters				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
158	CNT	Drum	86B	1	D	5	5	Gal	Grease				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
159	EQP	Dock leveler	86B	1	D	5	1	Each	Air driven hydraulic cylinder				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
160	MIS	Flamable storage cabinet	86B	1	D	5	30	Each	20 aerosols, 10 solvents/lubes				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
161	CYL	Fire extinguisher	86B	1	D	5	6	Each					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
162	CYL	Compressed gas	86B	1	D	6	2	Each	1 oxygen, 1 acetylene				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
163	OFM	Gear drive - overhead	86B	1	D	6	2	Each	.5 gal. Each, overhead doors				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
164	CNT	Drum	86B	1	D	6	10	Gal	Grease				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
165	CNT	Pail	86B	1	D	6	5	Gal	Grease				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
166	CNT	Drum	86B	1	D	6	2	Each	55 gal. DEX-Cool antifreeze				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
167	CNT	Drum	86B	1	D	6	10	Each	55 gal. Various oils				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
168	CNT	Drum	86B	1	D	6	55	Gal	Diesel tank on cart				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
169	FLR	Concrete	86A	1	D	6	800	SF	Work area	B86-FLR-011	Core	PCB	--	--	--	--	--	--	--	--	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
170	OFM	Gear drive	86A	1	D	7	1	Each	For press				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

GENERAL MOTORS CORPORATION
Flint North Buildings 86A and 86B
Flint, MI
FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 3 - AREAS OF INTEREST

UNIT ID	AREA OF INTEREST	ITEM OF INTEREST	BLDG	FLOOR	BAY	COLUMN	QUANTITY	UNITS	COMMENTS	SAMPLE ID	SAMPLE TYPE	PARAMETERS OF CONCERN	RESULTS	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	PCB-1016	PCB-1242	PCB-1221	PCB-1232	PCB-1248	PCB-1254	PCB-1260	TOTAL PCB
171	OFM	Hydraulic tank	86A	1	D	7	1	Each						--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
172	OFM	Crane wrench	86A	1	D	7	1	Each						--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
173	OFM	Tire spreader	86A	1	D	7	1	Each						--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
174	OFM	Tire clamp	86A	1	D	7	1	Each	Coats tire clamp	B86-OFM-020	Wipe	PCB		--	--	--	--	--	--	--	--	<1	<1	<1	<1	<1	<1	<1	<1
175	OFM	Tire changer	86A	1	D	7	1	Each		B86-OFM-021	Wipe	PCB		--	--	--	--	--	--	--	--	<1	<1	<1	<1	<1	<1	<1	<1
176	BAT	Battery charger	86A	1	D	8-9	7	Each						--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
177	ELB	Emergency lighting	86A	1	D	9	1	Each						--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
178	OFM	Lift	86A	1	D	9	1	Each	Truck lift	B86-OFM-016	Bulk	PCB		--	--	--	--	--	--	--	--	<1	<1	<1	<1	<1	<1	<1	<1
179	FLR	Concrete	86A	1	D	9	500	SF	Near lift	B86-FLR-013	Core	PCB		--	--	--	--	--	--	--	--	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
180	BAT	Fork truck	86A	1	D-C	10-12	13	Each	36 volt					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
181	CNT	Drum	86B	1	E	4	55	Gal	Rust inhibitor					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
182	CNT	Drum	86B	1	E	4	55	Gal	Windshield washer fluid					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
183	CNT	Drum	86B	1	E	4	55	Gal	Cleaning solvent					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
184	CNT	Drum	86B	1	E	4	5	Each	3-5 gal. Gas cans					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
185	CTN	Containment	86B	1	E	4-6	7	Each	Plastic, portable drum containments, residual oil/grease					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
186	FLR	Concrete	86B	1	E	4-6	550	SF	Various staining throughout	B86-FLR-029	Core	PCB		--	--	--	--	--	--	--	--	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
187	CNT	Drum	86B	1	E	5	4	Each	55 gal. Antifreeze					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
188	CNT	Drum	86B	1	E	5	9	Each	55 gal. Oil					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
189	CNT	Pail	86B	1	E	5	3	Each	5 gal. Grease					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
190	CNT	Drum	86B	Ext.	East of C	10	6	Each	55 gal. Asphalt patch					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
191	FLR	Concrete	86B	Ext.	East of C	10	225	SF	stained	B86-FLR-026	Core	PCB		--	--	--	--	--	--	--	--	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
192	SMP	Sump	86B	Ext.	East of C	2	9	SF	Reported blind sump, in crushed drum rolloff area/containment	B86-SMP-023	Bulk	PCB, Metals		1.43	31.4	3.74	22	27.7	0.07	<.400	0.13	<1	<1	<1	<1	<1	<1	<1	<1
193	CTN	Secondary containment	86B	Ext.	East of C	2	350	SF	Crushed drum area, curbed concrete	B86-CTN-024	Core	PCB		--	--	--	--	--	--	--	--	<.330	<.330	<.330	<.330	<.330	<.330	<.330	<.330
194	MIS	Flamable storage cabinet	86B	Ext.	East of C	7	3	Each	2 locked, 5-5 gal. Containers in opened cabinet					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
195	TRN	Trench	86B	Ext.	East of C	7-8	40	LF	16" wide, slude/water filled	B86-TRN-022	Bulk	PCB, Metals		0.55	11.7	<.200	33.6	6.1	<.05	<.400	0.1	<1	<1	<1	<1	<1	<1	<1	<1

GENERAL MOTORS CORPORATION
Flint North Buildings 86A and 86B
Flint, MI
FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 3 - AREAS OF INTEREST

UNIT ID	AREA OF INTEREST	ITEM OF INTEREST	BLDG	FLOOR	BAY	COLUMN	QUANTITY	UNITS	COMMENTS	SAMPLE ID	SAMPLE TYPE	PARAMETERS OF CONCERN	RESULTS	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	PCB-1016	PCB-1242	PCB-1221	PCB-1232	PCB-1248	PCB-1254	PCB-1260	TOTAL PCB
196	TRN	Trench	86B	Ext.	North side		60	LF	16" wide, 12" deep, 1" debris	B86-TRN-027	Bulk	PCB, Metals		1.53	33.9	1.24	19.4	70.1	<.05	<.400	<.100	<1	<1	<1	<1	<1	<1	<1	<1
197	PIT	Pit	86B	Ext.	Southeast corner	Truck dock	12	SF	In ramp, covered with steel grating, inaccessible					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
198	CYL	Propane canisters	86B	Ext.	Southeast corner		20	Each						--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199	LIT	High intensity discharge lighting	86A	1	Throughout		0	Each	Throughout building					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
200	LIT	4' 2 bulb 1 ballast fluorescent lighting	86A	1	Throughout		0	Each	Throughout building					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
201	LIT	4' 2 bulb 1 ballast fluorescent lighting	86B	1	Throughout		0	Each						--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
202	LIT	4' 3 bulb 2 ballast fluorescent lighting	86B	1	Throughout		0	Each						--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
203	LIT	2' 2 bulb 1 ballast fluorescent lighting	86B	1	Throughout		0	Each						--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

"--" denotes constituent was not included in laboratory analysis
Bolded text denotes concentration of constituent to be above its respective criteria.

Attachment 5

Block 5 AOI Summary and Concrete Results

TABLE 1
GENERAL MOTORS CORPORATION
NAO-FLINT OPERATIONS - FLINT, MICHIGAN

DESCRIPTION OF CURRENT CONDITIONS FOR AREAS SOUTH OF LEITH STREET

SUMMARY OF USEPA SOLID WASTE MANAGEMENT UNITS (SWMUs) AND AREAS OF CONCERN (AOCs)

USEPA SWMU/AOC	Building Association	Description	Current AOI Association
USEPA Solid Waste Management Units (SWMUs)			
3	23	Cyanide Waste Storage Room	AOI 23-1
43	02	Hazardous Waste Facility	AOI 02-1
48		Drum Storage Area - also identified as AOC 1	AOI 02-2
49	04	Building 4 Drum Storage Area	AOI 04-11
57	01	Process Sump	None -Basement Sump Only
58	02	Process Sump	See Note 2
59		Process Sump	See Note 2
60	04	Process Sump	See Note 2
61	44	Process Sump	See Note 2
63	94	Process Sump	See Note 2
64		Process Sump	See Note 2
65	03	Process Sump	See Note 2
66	84/84B	Process Sump	See Note 2
67	28	Process Sump	See Note 2
68	04	Process Sump	See Note 2
69	12	Process Sump	See Note 2
81	40	Process Sump	See Note 2
84	02	Waste Paint Tank/Wax Recirculation Tank	None - Second Floor/No Concerns
102	52	PCB Storage Facility	AOI 52-01
103	44	Paint Filter System	AOI 44-16
104		Paint Sludge Roll-off Box	
100 and 101		Hazardous Waste Storage Tanks 1 and 2	AOI 44-19
41 and 42	84/84B	Waste Gasoline Storage Tanks 1 and 2	AOI 84-49
85 through 91	02	Tanks 2-1 through 2-7 from 1991 Site Drawing and Tank OO from 1973 Site Drawing	AOI 02-21
92 through 95	04	Waste Thinner Tanks 1 through 4	AOI 04-13
96 through 99	40	Underground Storage Tanks 1 through 4	AOI 40-1
USEPA Areas of Concern (AOCs)			
1	02	Drum Storage Area - also identified as SWMU 48	AOI 02-2
2	40	Ash and chromium waste drum storage area (16,500 gallon capacity)	AOI 40-5
3	44	Paint drum storage area	AOI 44-8
6	84	Oil, auto. trans. fluid, gas drum storage area	AOI 84-64
11	12	Oils, synthetic coolants drum storage area	AOI 84-64
20	44	Area formerly occupied by Sludge Trailer - the Sludge Trailer was replaced by the Paint Filter System (SWMU 103) and the Paint Sludge Roll-off box (SWMU 104)	AOI 44-16
21		Former Waste Thinner Tank used for collection and storage of waste thinners	AOI 44-20

Notes:

1 Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs) were identified based on the report entitled RCRA Facility Assessment (RFA) Preliminary Review/Visual Site Inspection (PR/VI) Report, General Motors Corporation, Buick-Oldsmobile - Cadillac Facility, Flint, Michigan, dated September 1987 and prepared by A.T. Kearney, Inc. and K.W. Brown & Associates, Inc. (PR/VSI Report).

2 The PR/VSI Report describes sump-related SWMUs generally in the context of 27 process sumps associated with the overall Facility. It does not present specific information related to these units. It simply describes these units, in general, to be constructed of either concrete or steel structures, and that they were used for the collection of process wastewater. Since GM's more recent activities involved a much more comprehensive examination of the various sumps associated with the Site, and such activities would have certainly involved a much more comprehensive examination of the various sumps associated with the Site, and such activities would have certainly involved the reidentification of any sumps previously identified during the prior PR/VSI efforts, separate AOI designations have not been assigned for any of the EPA-identified sump-related SWMUs, other than for SWMU 57.

Attachment 6

Block 6 AOI Summary and Concrete Results

TABLE 7
GENERAL MOTORS CORPORATION
NAO-FLINT OPERATIONS - FLINT, MICHIGAN

DESCRIPTION OF CURRENT CONDITIONS FOR AREAS SOUTH OF LEITH STREET

AREAS OF INTEREST (AOIs) -- FACTORY 94 AREA (BUILDINGS 17/17A, 52, 28, AND 84)

AOI Id.	AOI Type	Approximate Location (column/bay within bldg., unless otherwise noted)	AOI Description	Samples Collected?	Sample Analytical Results
Building 17/17A Area					
17-1	Pit	1C	Cable-operated elevator pit.	yes (2/9/99)	Material from elevator pit analyzed for PCBs (scrape samples). PCBs detected at a concentration of 19 mg/kg.
17-2	Pit	14C	2'x2'x1' pit with water and pipe leading from north, strong oil type odor. Unable to determine where pit drains.	yes (2/4/99)	Grab sample of sludge from pit analyzed for Full TCLP and PCBs. PCBs detected at a concentration of 1.8 mg/kg. Various metals detected.
17-3	Pit	15C	1'x1' floor drain	No	
17-4	Pit	1	1'x1'x1' floor drain on bay ramp with 1" pipe leading to unknown discharge location. Approximately 1" of sediment in trench.	yes (2/3/99)	Grab sample of sediment from sump analyzed for PCBs. PCBs detected at concentration of 6.9 mg/kg. Composite sample of sediment from pit and trench located in 17A, analyzed for full TCLP and PCBs. PCBs detected in composite sample at a concentration of 6 mg/l.
17-5	Trench	2	1'x1'x1' floor drain/trench with pipe leading to unknown discharge location.	yes (2/3/99)	Grab sample of sediment from sump analyzed for PCBs. PCBs detected at a concentration of 12 mg/kg.
17-6	Tanks - AST	North side of Building 17A	Tanks PP and 107 on 1973 Site Drawing and Tank PP 17-2 on 1991 Site Drawing.	No	
Building 52 Area					
52-1	Additional	Inside Building 52 located east of Building 17	Former PCB Storage Area identified as SWMU 102 in PR/VSI Report.	No	
Building 28 Area					
28-1	Sump	32E & F	Collection sump for the hazardous materials storage area in column/bay 32E & F. Sump collected liquid from the containment trench in column/bay 32E & F and discharged to process wastewater system.	No	
	Trench	32E & F	Containment trench for hazardous materials storage room identified in Building 40 column/bay 28-29E. The trench drained to a sump located in Building 28 within 32E & F which discharged to process wastewater system.	No	
	Additional	32E & F	Hazardous materials storage area for drums of motor oil, transmission fluid and coolant. Staining on floor.	yes (2/9/99)	Four 12" concrete core samples analyzed for Metals and PCBs. No PCBs detected above laboratory detection limit (0.33 mg/kg). Various metals detected.
28-2	Trench	13B & C	Utility trench that is 40' long x 2' wide x 3' deep. Trench dry with minimal dust and dirt present.	No	
28-3	Pit	1A	Elevator pit for cable-operated elevator.	yes (2/9/99)	Grab sample of grease and dirt from pit analyzed for PCBs. PCBs detected at a concentration of 38 mg/kg.
28-4	Pit	6A	Elevator pit for cable-operated elevator.	yes (2/9/99)	Grab sample of grease and dirt from pit analyzed for PCBs. PCBs detected at a concentration of 2.6 mg/kg.
28-5	Pit	33B	Pneumatic dock leveler pit. Debris present.	No	
28-6	Pit	33C	Pneumatic dock leveler pit. Debris present.	No	

TABLE 7

GENERAL MOTORS CORPORATION

NAO-FLINT OPERATIONS - FLINT, MICHIGAN

DESCRIPTION OF CURRENT CONDITIONS FOR AREAS SOUTH OF LEITH STREET

AREAS OF INTEREST (AOIs) -- FACTORY 94 AREA (BUILDINGS 17/17A, 52, 28, AND 84)

AOI Id.	AOI Type	Approximate Location (column/bay within bldg., unless otherwise noted)	AOI Description	Samples Collected?	Sample Analytical Results
Building 84 Area					
84-1	Sump	10C	Oil collection sump for DeVlieg Milling Machine. 15'x4'x3' sump housed chip conveyer. Oil was collected, filtered, and re-used by the machine.	yes (2/3/99)	Grab sample of oil in sump analyzed for PCBs. No PCBs detected above laboratory detection limit (1 mg/kg).
84-2	Sump	10D	4' x 10' x 4' deep sump collected discharge from penetone dip tanks. Sump discharged to process waste. Approx. 3' of liquid and sludge present.	No	
84-3	Sump	10H	30" x 30" x 24" deep sump. Contained oil residue from draining engines. The sump discharged to process wastewater system.	No	
84-4	Sump	10J	Hazardous materials storage room with sump discharging to process wastewater system.	yes (2/1/99)	Four 8" deep concrete core samples analyzed for PCBs and metals. PCBs detected in one of the four samples at a concentration of 0.36 mg/kg. Various metals detected.
84-5	Sump	13F	2' x 4' x 5' sump for trenches in physical test area. Sump collected oil from leaking equipment within area. Oil was subsequently filtered and recirculated back into the hydraulic system for area.	yes (6/27/95)	The oil in this system was sampled from the hydraulic pump located in 13J on 6/27/95 and found to contain <1 mg/kg of PCB.
84-6	Sump	13I	Six 1' x 1' x 1' deep sumps along hold down table draining to larger sump located in 13I.		
	Sump	13I	2'x 3' x 4' sump collected oil from leaking equipment within area. Oil was subsequently filtered and recirculated back into the hydraulic system for area.	yes (6/27/95)	The oil in this system was sampled from the hydraulic pump located in 13J on 6/27/95 and found to contain <1 mg/kg of PCBs.
84-7	Sump	15C	3' x 3' x 4' deep sump discharging to process wastewater system.	No	
84-8	Sump	15G	Possible sump. Cover 6'x12'.	No	
84-9	Sump	15I	4'x6'x6' deep sump discharging to process wastewater system.	No	
84-10	Sump	19D	5' x 6' x 7' deep sump discharging to process wastewater system. Collected water from car wash located in 21D.	No	
	Pit	21D	8'x24'x3' car wash pit. Pit collected water from the washing process and discharged to sump located within 19D.	No	
84-11	Sump	20H	Possible sump or pit under a bolted down manhole cover.	No	
84-12	Sump	20I	Possible sump or pit under a bolted down manhole cover.	No	
84-13	Sump	20J	Main sump to process wastewater system.	No	
84-14	Sump	22A B	5'x5'x unknown depth sump for the flow room. The sump discharged to the process wastewater system.	No	
84-15	Sump	22F	~~2'x2'x unknown depth sump discharging to process wastewater system.~~	No	
84-16	Sump	22G	~~2'x2'x unknown depth sump discharging to process wastewater system.~~	No	
84-17	Sump	2I	16" x 16" x 6" deep with gravity drain. Collected water runoff from cars parked inside and discharged to process wastewater system.	No	
84-18	Sump	4A	3' x 3' x 4' deep sump collected water from Bupi parts cleaner and discharged to process wastewater system.	No	

TABLE 7
GENERAL MOTORS CORPORATION
NAO-FLINT OPERATIONS - FLINT, MICHIGAN

DESCRIPTION OF CURRENT CONDITIONS FOR AREAS SOUTH OF LEITH STREET

AREAS OF INTEREST (AOIs) -- FACTORY 94 AREA (BUILDINGS 17/17A, 52, 28, AND 84)

AOI Id.	AOI Type	Approximate Location (column/bay within bldg., unless otherwise noted)	AOI Description	Samples Collected?	Sample Analytical Results
84-19	Sump	4H	2' x 4' x 4' deep sump used to collect water from adjacent car wash and floor trenches in the area. Also used as a dumping pit. Discharged to process wastewater system.	No	
	Trench	2B	Series of trenches used to collect water runoff from cars parked in building. Trenches run throughout bays 2 & 3 B to 2 & 3 H and discharged to sump at 4H.	No	
84-20	Sump	4I	30" x 30" x 24" deep sump used to collect water runoff from cars within the wheel alignment area. Sump discharged to process wastewater system.	No	
84-21	Sump	15F, Basement	6'x4'x6' sump collected floor drain runoff and discharged to process wastewater system.	No	
84-22	Sump	23G	Size of sump unknown. Not accessible sump located in janitors closet. Sump discharged to process wastewater system.	No	
84-23	Sump	20D 21F	Sump collected residual fluids from vehicle engine test area.	No	
84-24	Additional	15G	Four drains in floor. Discharge location unknown. above basement No staining	No	
84-25	Trench	13E	Trench with bolted-down lid. in basement	yes (2/4/99)	Grab sample of sediment in trench analyzed for full TCLP and PCBs. PCBs detected at a concentration of 0.49 mg/kg. Various metals detected. Bis(2ethylhexyl)phthalate detected at 530 mg/l.
84-26	Trench	13F	Trench approx. 2' deep contained residual oils. The trench collected oil from leaking equipment within the area and discharged to sump located in 13F. Residual oil subsequently filtered and recirculated back into the hydraulic system for area.	yes (6/27/95)	The oil in this system was sampled from the hydraulic pump located in 13J on 6/27/95 and found to contain <1 mg/kg of PCBs.
84-27	Trench	15J	Utility trenches within area housing steam lines.	yes (2/3/99)	Grab sample of sediment in trench analyzed for full TCLP and PCBs. No PCBs detected above laboratory detection limit (0.33 mg/kg). Various metals detected.
84-28	Trench	20C	2' wide x 40' long trench with bolted down covers.	yes (2/8/99)	Grab sample of sediment from trench analyzed for full TCLP and PCBs. PCBs detected at a concentration of 15.1 mg/kg. Various metals detected.
84-29	Trench	8D	Collection trench around former equipment pads.	No	
84-30	Trench	8D	Trench surrounding former machine. 1' x 1.5'deep x 80 linear feet. Stained concrete equipment pad. No sump associated with trench.	No	
84-31	Trench	Exterior, northwest corner	6' wide x 15' deep trench running from gasoline AST farm to 4 fuel pumps. Bottom of trench contained water and staining; sheen floating on top of water.	No	
84-32	Trench	Exterior, east side	Conduit and electrical tunnel 6' wide and 12' deep that runs the length of test cells outside of Bldg. 84. Supplied fuel for test cells.	No	
84-33	Trench	23E	Conduit and electrical trench, odor present in trench running through 23E and 23H. Trench drained to pit in 23E.	No	
	Pit	23E	4'x4'x4' gravity draining pit collected run off from adjoining trench located in 23E.	No	

northwest

TABLE 7
GENERAL MOTORS CORPORATION
NAO-FLINT OPERATIONS - FLINT, MICHIGAN

DESCRIPTION OF CURRENT CONDITIONS FOR AREAS SOUTH OF LEITH STREET

AREAS OF INTEREST (AOIs) -- FACTORY 94 AREA (BUILDINGS 17/17A, 52, 28, AND 84)

AOI Id.	AOI Type	Approximate Location (column/bay within bldg., unless otherwise noted)	AOI Description	Samples Collected?	Sample Analytical Results
84-34	Pit	13H	2' x2' x 3' deep steel-lined oil pit used to collect hydraulic fluid leaks from belt test equipment. Fluid subsequently filtered and recirculated back into hydraulic system.	yes (6/27/95)	The oil in this system was sampled from the hydraulic pump located in 13J on 6/27/95 and found to contain <1 mg/kg of PCBs.
84-35	Pit	14J	2' x 2' steel plate over 3' deep pit.	yes (2/4/99)	Grab sample of sludge in pit analyzed for full TCLP and PCBs. PCBs detected at a concentration of 0.81 mg/kg. Various metals detected at elevated concentrations. Semivolatiles (Bis(2ethylhexyl)phthalate and pyrene) detected at 75 mg/l and 110 mg/l, respectively.
84-36	Pit	16B	Pit for car lift. Area also includes subgrade hydraulic cylinder and associated piping present in above grade reservoir.	yes (2/4/99)	Grab sample of oil in hydraulic system analyzed for PCBs. No PCBs detected above laboratory detection limit (0.33 mg/kg).
84-37	Pit	16D	Hot well under floor for chiller tower system.	No	
84-38	Pit	17D	Cold well under floor for chiller tower system.	No	
84-39	Pit	19G	Three equipment pits. Each 6'x20'x2' deep and housed dyno equipment.	No	
84-40	Pit	21D	3'x3'x unknown depth vault with no access.	No	
84-41	Pit	22D	3'x3' cover. Possible pit.	No	
84-42	Pit	6I	Hydraulic elevator with pit. Cylinders above grade.	No	
84-43	Pit	23F	25'x15'x3' emission roll / dyno. equipment vault. 3' deep subfloor beneath entire area. Utilities and conduit controlling test area running under flooring.	No	
84-44	Pit	25F	25'x15'x3' emission roll / dyno. equipment vault. Utilities and conduit controlling test area running beneath the floor.	No	
84-45	Pit	26F	25'x15'x3' emission roll / dyno. equipment vault. Utilities and conduit controlling test area running beneath the floor.	No	
84-46	Pit	27F	25'x15'x3' emission roll / dyno. equipment vault. Utilities and conduit controlling test area running beneath the floor.	No	
84-47	Pit	27F	25'x15'x3' emission roll / dyno. equipment vault. Utilities and conduit controlling test area running beneath the floor.	No	
84-48	Tanks-UST	15J	UST with bolted-down hatch located beneath manhole cover.	No	
84-49	Tanks-AST	Exterior, northwest corner	Area includes Tanks NN and 94 - 103 on 1973 Site Drawing, Tanks T84-1 through T84-7, T84-1A, T84, 2A, T84-5B, T84-7B, and T84-8A on 1991 Site Drawing, and SWMUs 41 and 42 identified in PR/VSI Report.	yes	Soil and ground water sampe results contained in Global, 1997f. See Section 4.2.
84-50	Tanks-AST	15G, Basement	Two cooling tower ASTs, one hot well, one cold well (total dimensions 16'x6'x7.5'). Fluids contained in these tanks is unknown.	No	
84-51	Additional	7A	Machine shop area. Wood block flooring stained with oil. Concrete equipment pads also stained. Area extends from 6A to 10A, 6B to 10B, 6C to 10C, and 7D to 10D (approximately 14,500 sq. ft.).	yes (1/28/99)	38 discrete wood block samples analyzed for PCBs. 35 of 38 samples had PCB detections of 0.34 to 20 mg/kg. Four wood block composite samples analyzed for full TCLP and PCBs. VOCs and metals detected in each of the composite samples.
84-52	Additional	13J	Large hydraulic pump used for operating equipment in the physical test area. Contained approximately 300 gallons of oil. Floor and walls oil stained.	yes (6/27/95)	The oil in this system was sampled from the hydraulic pump located in 13J on 6/27/95 and found to contain <1 mg/kg of PCBs.

TABLE 7
GENERAL MOTORS CORPORATION
NAO-FLINT OPERATIONS - FLINT, MICHIGAN

DESCRIPTION OF CURRENT CONDITIONS FOR AREAS SOUTH OF LEITH STREET

AREAS OF INTEREST (AOIs) -- FACTORY 94 AREA (BUILDINGS 17/17A, 52, 28, AND 84)

AOI Id.	AOI Type	Approximate Location (column/bay within bldg., unless otherwise noted)	AOI Description	Samples Collected?	Sample Analytical Results
84-53	Additional	15C	Chiller room. Chiller equipment contained anhydrous ammonia. Staining on floor.	yes (2/1/99)	12" deep concrete core sample analyzed for metals. Various metals detected.
84-54	Additional	15J	Former electric vault below grade. Accessed through manhole. Vault approximately 15'x15'x10' deep.	yes (2/9/99)	Dirt and grease in vault analyzed for PCBs. PCBs detected at a concentration of 3.1 mg/kg.
84-55	Additional	2I	Two subgrade hydraulic cylinders used as car hoist.	No	
84-56	Additional	3I	Former subgrade hydraulic lift. Piston removed and cylinder filled with concrete.	No	Integrity good - no evidence
84-57	Additional	14E, Basement	Hydraulic oil staining on elevated dyno equipment pad. Oil leaking from carriage.	yes (6/27/95)	Oil from dynonometer was sampled by GM on 6/27/95 and found to contain <1 mg/kg of PCBs.
84-58	Additional	15F, Basement	Oil-stained floors.	No	
84-59	Additional	15G, Basement	Oil-stained floors.	No	
84-60	Additional	15H, Basement	Oil-stained floors.	yes (2/2/99)	6" concrete core sample analyzed for metals. Various metals detected.
84-61	Additional	Entire Basement	Gasoline piping throughout basement for running dyno equipment.	No	
84-62	Additional	Exterior, east side	Reclaim fuel piping that runs approximately 100' on east side of building. Staining present.	No	
84-63	Additional	19, exterior	Waste pump station routed process waste from Factory 94 to the process wastewater system. Staining present.	No	
84-64	Additional	Northwest corner of Building 02	Drum storage area identified as AOC 6 in PR/VSI Report used to store oil, transmission fluid and gasoline waste prior to off-site disposal.	No	

TABLE 9

GENERAL MOTORS CORPORATION

NAO-FLINT OPERATIONS - FLINT, MICHIGAN

DESCRIPTION OF CURRENT CONDITIONS FOR AREAS SOUTH OF LEITH STREET

AREAS OF INTEREST (AOIs) -- BUILDING 94 AREA AND BUILDING 25 AREA

AOI Id.	AOI Type	Approximate Location (column/bay within bldg., unless otherwise noted)	AOI Description	Samples Collected?	Sample Analytical Results
Building 94 Area					
94-1	Sump	6E	4'x4'x3' sump which discharged to process wastewater system.	No	
94-2	Sump	6V	30"x30"x unknown depth "South Lube Pit" handled runoff in area including trench located in 6S. Sump discharged to wastewater system.	No	
94-3	Sump	7A	4'x3'x unknown depth sump handled water from 1'x12'x1' drain in car wash area. Sump discharged to process wastewater system.	No	
94-4	Sump	7B	4'x8'x2' sump that handled water runoff from test area (90 % of the water recirculated and 10% is pumped to process wastewater system).	No	
94-5	Sump	1Q-1P, Basement	3'x8'x6' sump located in oil change pit handled oil from three bays having separate drains running into sump. Sump received oil runoff from 34'x4'x2' trench associated with oil change pit. Sump discharged to process wastewater system.	No	
	Additional	1Q-1P, Basement	1'x1'x unknown depth floor drain handled runoff in oil change pit and discharged to sump located in 1Q-1P.	No	
94-6	Sump	1R	8'x6'x4' self-contained sump located in center of chemical storage area.	No	
94-7	Trench	1R	42'x2'x1' trench runs the length of chemical storage and car wash areas. Drained to a 3'x8'x unknown depth sump located within 1Q-1P.	No	
94-8	Trench	00T	1'x75'x2' trench contained oil and grease. Discharged to process wastewater system. Staining on floor throughout bay in vicinity of trench.	No	
94-9	Trench	4A	1'x25'x1' trench in hydraulic oil storage area, and a 1'x6'x6" floor drain both lead to a 2'x2'x4' dry sump. Sump discharged to process wastewater system.	No	
94-10	Trench	6S	1'x100'x1' trench in work area runs through bays 6S-6W and discharged to sump located in bay 6V. Liquid in trench ultimately discharged to process wastewater system.	No	
94-11	Pit	1L	5'x10'x2' containment pit with AST, oil staining on floor.	No	
94-12	Pit	5K	6' wide 2' deep pit runs from bays 5K-5D (160 LF).	No	
94-13	Pit	8P	5'x10'x6" work pit contained oil and grease on floor.	No	
94-14	Pit	2A	Pit for cable operated car elevator.	yes (2/11/99)	Grab sample of sediment and grease from pit analyzed for PCBs. PCBs detected at a concentration of 3 mg/kg.
94-15	Pit	2D	24'x12'x6' under carriage inspection pit, oil staining on floor and a 1'x1' floor drain	No	

002 003 004 004A 005 005A 006 007 007A 008 010 011 012 013

NORTH END SOUTH END

1 2 3 4 5 7 7.5 8 9 10

SI #19 LNAPL #1 LNAPL #2 LNAPL #3 WMU #2 SI #3 SI #18 SI #1 SI/AOC #2 PCB #16 SI/AOC #35 PCB #2 SI/AOC #1 PCB #18 PCB #1 WMU #4 PCB #5 WMU #5 SI #6 PCB #19 PCB #4 LNAPL #5 LNAPL #6 AOC #6 PCB #6 SI #5 LNAPL #4 SI/AOC #34 SI/AOC #7 LNAPL #9 LNAPL #10 SI/AOC #11 SI/AOC #13 LNAPL #12 SI #29 SI/AOC #26 PCB #3 SI/AOC #41 PCB #8 LNAPL #7 PCB #20 SI/AOC #33 SI #4 SI #8 SI/AOC #40 SI/AOC #42 PCB #7 PCB #9 SI #9 LNAPL #8 PCB #11 SI/AOC #10 LNAPL #11 PCB #10 SI #28 SI/AOC #24 AOC #37 LNAPL #14A SI/AOC #27 LNAPL #12 LNAPL #14 PCB #14 PCB #12 LNAPL #14A SI/AOC #21 WMU #7 SI/AOC #36 LNAPL #13 PCB #13 SI #25 SI #22 AOC #38 AOC #39 LNAPL #14B SI #23 PCB #17 SI #32 SI #31 WMU #10 PCB #15

LEGEND:

- SOIL PILES
- RESERVED PROPERTIES
- WMU
- LNAPL
- PCB
- SOIL
- PROPERTY LINE
- FORMERLY OWNED RACER PROPERTIES

- SEWER LINE BELOW WATER TABLE (LIMITED DATA AVAILABLE)
- SEWER LINE ABOVE WATER TABLE
- SEWER LINE ABOVE WATER TABLE (LIMITED DATA AVAILABLE)
- SEALED STORM SEWER LINE
- INSUFFICIENT DATA AVAILABLE
- COMPLETED BULKHEADS AND PLUGS

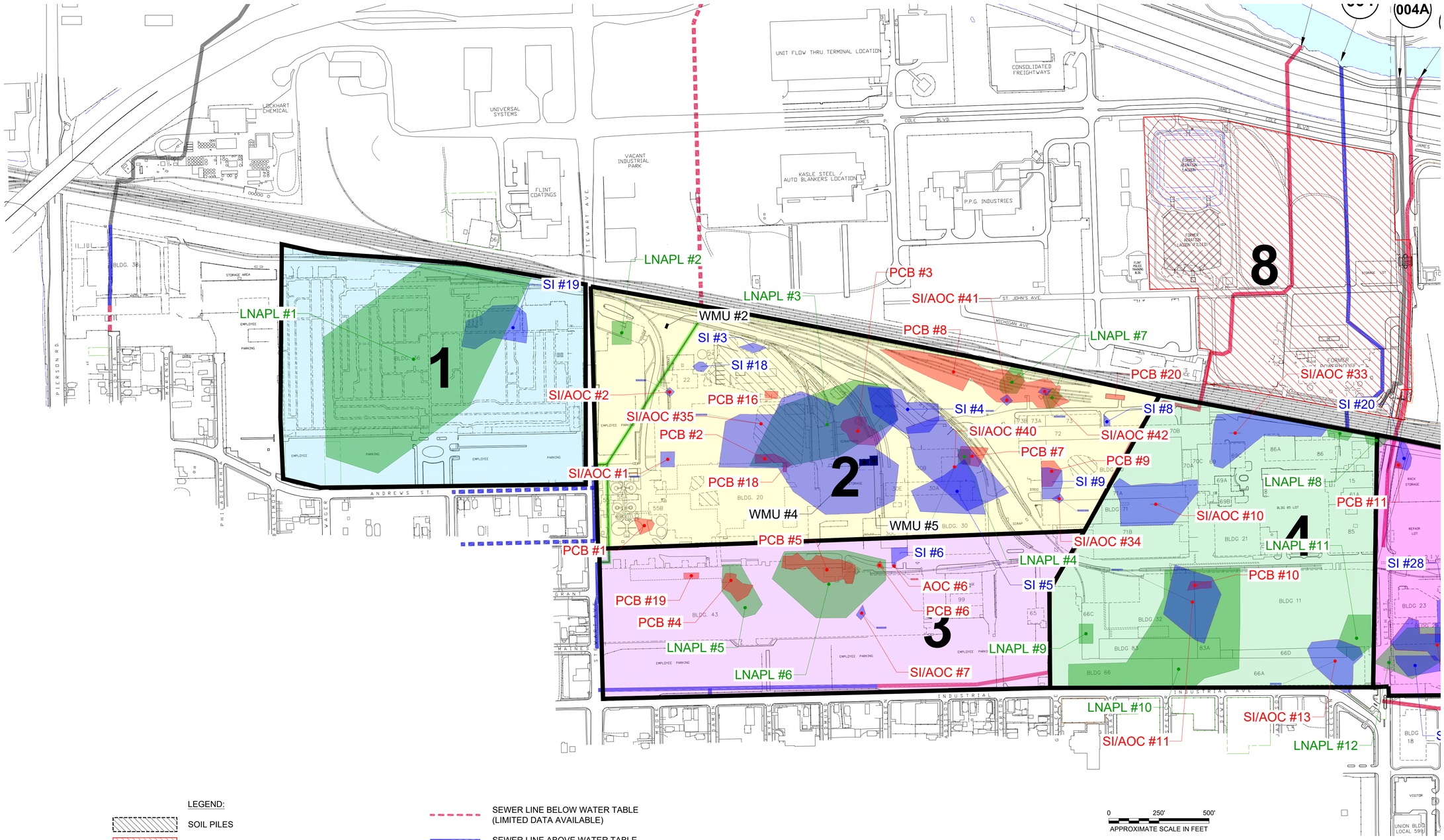
0 400' 800'
APPROXIMATE SCALE IN FEET

RACER TRUST
BUICK CITY
FLINT, MICHIGAN

BUICK CITY BLOCKS AND RESTRICTIVE AREAS

ARCADIS Design & Consultancy for natural and built assets

FIGURE 3



0 250' 500'
APPROXIMATE SCALE IN FEET

LEGEND:

- SOIL PILES
- RESERVED PROPERTIES
- WMU
- LNAPL
- PCB
- SOIL
- PROPERTY LINE
- FORMERLY OWNED RACER PROPERTIES

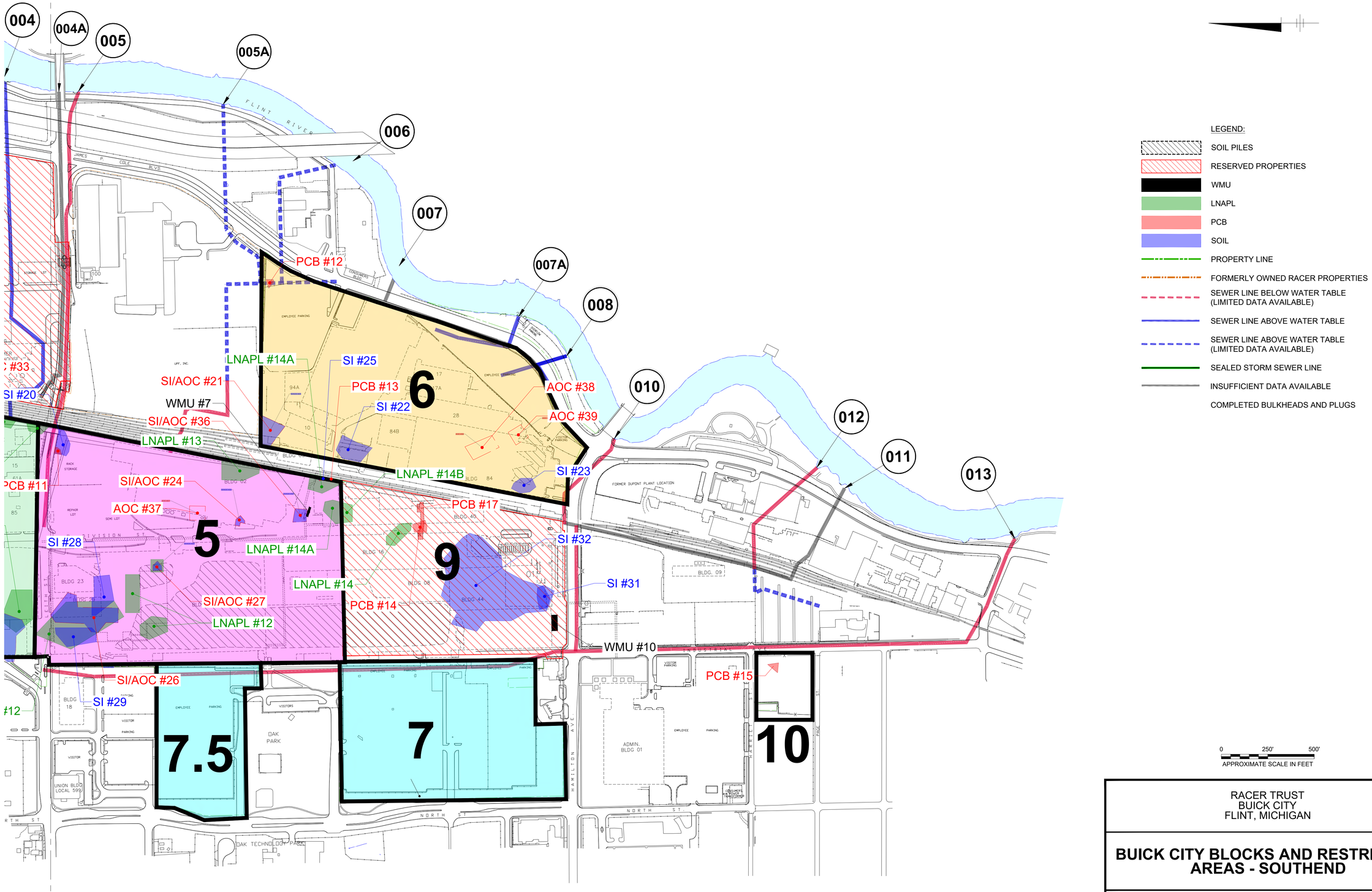
- SEWER LINE BELOW WATER TABLE (LIMITED DATA AVAILABLE)
- SEWER LINE ABOVE WATER TABLE
- SEWER LINE ABOVE WATER TABLE (LIMITED DATA AVAILABLE)
- SEALED STORM SEWER LINE
- INSUFFICIENT DATA AVAILABLE
- COMPLETED BULKHEADS AND PLUGS

RACER TRUST
BUICK CITY
FLINT, MICHIGAN

BUICK CITY BLOCKS AND RESTRICTIVE AREAS - NORTHEND

ARCADIS Design & Consultancy for natural and built assets

FIGURE
3A



LEGEND:

- SOIL PILES
- RESERVED PROPERTIES
- WMU
- LNAPL
- PCB
- SOIL
- PROPERTY LINE
- FORMERLY OWNED RACER PROPERTIES
- SEWER LINE BELOW WATER TABLE (LIMITED DATA AVAILABLE)
- SEWER LINE ABOVE WATER TABLE
- SEWER LINE ABOVE WATER TABLE (LIMITED DATA AVAILABLE)
- SEALED STORM SEWER LINE
- INSUFFICIENT DATA AVAILABLE
- COMPLETED BULKHEADS AND PLUGS

RACER TRUST
BUICK CITY
FLINT, MICHIGAN

BUICK CITY BLOCKS AND RESTRICTIVE AREAS - SOUTHEND

ARCADIS Design & Consultancy for natural and built assets

FIGURE
3B

APPENDIX B
SUMMARY OF PROPOSED RECORDED LAND USE AREAS

Block Name	RC_AREA Name	RC Note (April 2023)
Block 2	PCB AREA #1	This Area is restricted to Low Occupancy pursuant to 40 CFR 761.61(a)(4)(i)(B). One soil sample at depth of 1 to 3 feet bgs (elevation 753-751) contained PCBs at 1.41 ppm with gravel surface cover. Excavation in this area is prohibited unless all excavated soils are characterized and managed in accordance with applicable regulations. When excavation and backfill are completed, if a cap consisting of a minimum of 6" of concrete or asphalt, or a minimum of 10" of 10 -7 compacted clay is installed over this area, this restriction can be modified to High Occupancy, or if all PCBs over 1 ppm are removed this restriction can be rescinded, if either is approved by USEPA pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.
Block 2	PCB AREA #2	This Area is restricted to Low Occupancy pursuant to 40 CFR 761.61(a)(4)(i)(B). Two soil samples in this area contained 1.5 ppm and 11 ppm PCBs at a depth of 10 to 14 feet bgs (elevation 744 to 739.5) with a cover of 1' to 3.5' of concrete. Excavation below 9 feet bgs (elevation 745) is prohibited unless all excavated soils are characterized and managed in accordance with applicable regulations. <BOL>LNAPL impacted soils</BOL> vary in depth encountered and thickness but may be first encountered as shallow as 5' bgs (elevation 749 and extents depicted on this exhibit) and must be managed in accordance with <BGD yellow="255"> Paragraph 2.k.a of the Declaration of Restrictive Covenant Buick City – Part 111 and RCRA Issues recorded with the Genesee County Register of Deeds on _____.</BGD> <BOL> Lead impacted soils</BOL> may also be encountered as shallow as 0.5' bgs (elevation 753.5) and must be managed in accordance with <BGD yellow="255">Exhibit Soil Impact Area #35 attached to the Declaration of Restrictive Covenant Buick City – Part 111 and RCRA Issues recorded with the Genesee County Register of Deeds on _____. </BGD> When excavation and backfill are completed, if a cap consisting of a minimum of 6" of concrete or asphalt, or a minimum of 10" of 10 -7 compacted clay is installed over this area and if all PCBs over 10 ppm are removed this restriction can be modified to High Occupancy, or if all PCB s over 1 ppm are removed this restriction can be rescinded, if either is approved by USEPA pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.
Block 2	PCB AREA #3	This Area is restricted to Risk Based Low Occupancy pursuant to 40 CFR 761.61(c). One of the soil samples in this area contained 26 ppm of PCBs (see sample location SB-10-48 from 6 ft to 8 ft elevation 742.5 to 740.5). 0.8' of concrete and 6' of soil cover in place serves as the basis for risk-based low occupancy. Excavation below a depth of 3' bgs (elevation 746.5) is prohibited unless all excavated soils are characterized and managed in accordance with applicable regulations. Direct contact with the excavated soils must be prevented. <BOL>LNAPL impacted soils</BOL> vary in depth encountered and thickness but may be first encountered at 5' to 8' bgs (elevation 745 to 742 and extents depicted on this exhibit) and must be managed in accordance with <BGD yellow="255"> Paragraph 2.k.a of the Declaration of Restrictive Covenant Buick City – Part 111 and RCRA Issues recorded with the Genesee County Register of Deeds on _____.</BGD> <BOL> Lead impacted soils</BOL> may also be encountered as shallow as 0.5' bgs (elevation 749 and extents as depicted on this exhibit) and must be managed in accordance with <BGD yellow="255"> Exhibit Soil Impact Area #35 attached to the Declaration of Restrictive Covenant Buick City – Part 111 and RCRA Issues recorded with the Genesee County Register of Deeds on _____. </BGD> When excavation and backfill are completed, a cap consisting of a minimum of 6" of concrete or asphalt, or a minimum of 10" of 10 -7 compacted clay must be installed over this area. If all PCBs over 10 ppm are removed this restriction can be modified to High Occupancy if the required cap is in place, or if all PCB s over 1 ppm are removed this restriction can be rescinded if either is approved by USEPA pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.
Block 2	PCB AREA #7	This Area is restricted to Low Occupancy pursuant to 40 CFR 761.61(a)(4)(i)(B). One soil sample at depth of 8 to 10 feet bgs (elevation 740 to 737.5) contained PCBs at 1.8 ppm with 1' gravel surface cover. Excavation in this area is prohibited below a depth of 7' bgs (elevation 741) unless all excavated soils are characterized and managed in accordance with applicable regulations. <BOL>LNAPL impacted soils</BOL> vary in depth encountered and thickness but may be first encountered as shallow as 6' bgs (elevation 742 and extents depicted on this exhibit) and must be managed in accordance with <BGD yellow="255"> Paragraph 2.k.a of the Declaration of Restrictive Covenant Buick City – Part 111 and RCRA Issues recorded with the Genesee County Register of Deeds on _____.</BGD> <BOL>SVOC soil impacts</BOL> may be encountered from 0.9 to 10' bgs (elevation 747 to 738.5). Direct contact with such soils must be prevented and managed in accordance with Exhibit Soil Impact Area #5 <BGD yellow="255"> attached to the Declaration of Restrictive Covenant Buick City – Part 111 and RCRA Issues recorded with the Genesee County Register of Deeds on _____. </BGD> <BOL>Lead impacted soils</BOL> may also be encountered as shallow as 1' bgs (elevation 747 and extents as depicted on this exhibit) and be managed in accordance with <BGD yellow="255">Exhibit Soil Impact Area #40 attached to the Declaration of Restrictive Covenant Buick City – Part 111 and RCRA Issues recorded with the Genesee County Register of Deeds on _____.</BGD> When excavation and backfill are completed, if a cap consisting of a minimum of 6" of concrete or asphalt, or a minimum of 10" of 10 -7 compacted clay is installed over this area, this restriction can be modified to High Occupancy, or if all PCBs over 1 ppm are removed this restriction with respect to PCBs can be rescinded if approved by USEPA pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.
Block 2	PCB AREA #8	This Area is restricted to Low Occupancy pursuant to 40 CFR 761.61(a)(4)(i)(B). About fifty-six (56) soil samples from 0 to 9' bgs (elevation 744 to 734) contained PCBs between 1.1 ppm and 15 ppm with soil surface cover. Any excavation in this area is prohibited unless all excavated soils are characterized and managed in accordance with applicable regulations. <BOL>LNAPL impacted soils</BOL> vary in depth encountered and thickness but may be first encountered as shallow as 3' bgs (elevation 741 and extent as depicted on this exhibit) and must be managed in accordance with <BGD yellow="255"> Paragraph 2.k.a of the Declaration of Restrictive Covenant Buick City – Part 111 and RCRA Issues recorded with the Genesee County Register of Deeds on _____.</BGD><BOL> Lead impacted soils</BOL> may also be encountered as shallow as 2.5' bgs (elevation 741.5 and extents as depicted on this exhibit) and must be managed in accordance with <BGD yellow="255">Exhibit Soil Impact Area #41 and Exhibit Soil Impact Area #42 attached to the Declaration of Restrictive Covenant Buick City – Part 111 and RCRA Issues recorded with the Genesee County Register of Deeds on _____.</BGD> When excavation and backfill are completed, if a cap consisting of a minimum of 6" of concrete or asphalt, or a minimum of 10" of 10 -7 compacted clay is installed over this area and if all PCBs over 10 ppm are removed this restriction can be modified to High Occupancy, or if all PCB s over 1 ppm are removed this restriction can be rescinded, if either is approved by USEPA pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.
Block 2	PCB AREA #9	This Area is restricted to High Occupancy pursuant to 40 CFR 761.61(a)(4)(i)(A). One soil sample at depth of 0.7 to 2 feet bgs (elevation 745.5 to 744) contained PCBs at 1.91 ppm with 1' of concrete surface cover. Excavation in this area is prohibited unless all excavated soils are characterized and managed in accordance with applicable regulations. <BOL>VOC impacted soils</BOL> may also be encountered as shallow as 1' bgs (elevation 745.5 and extents as depicted on this exhibit). VOC impacted soils must be managed in accordance with <BGD yellow="255">Exhibit Soil Impact Area #9 attached to the Declaration of Restrictive Covenant Buick City – Part 111 and RCRA Issues recorded with the Genesee County Register of Deeds on _____.</BGD> When excavation and backfill are completed, a cap consisting of a minimum of 6" of concrete or asphalt, or a minimum of 10" of 10 -7 compacted clay must be installed over this area, or if all PCBs over 1 ppm are removed this restriction can be rescinded, if approved by USEPA pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.

Block Name	RC_AREA Name	RC Note (April 2023)
Block 2	PCB Area #16	This Area is restricted to High Occupancy pursuant to 40 CFR 761.61(a)(4)(i)(A). One soil sample at depth of 1 to 3 feet bgs (elevation 752 to 750) contained PCBs at 7 ppm with 6" of concrete surface cover. Excavation in this area is prohibited unless all excavated soils are characterized and managed in accordance with applicable regulations. When excavation and backfill is completed a cap consisting of a minimum of 6" of concrete or asphalt, or a minimum of 10" of 10 -7 compacted clay must be installed over this area. If all PCBs over 1 ppm are removed this restriction can be rescinded, if approved by USEPA pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.
Block 2	PCB Area #18	This Area is restricted to Low Occupancy pursuant to 40 CFR 761.61(a)(4)(i)(B). Crushed concrete backfill material containing greater than 1 ppm and less than 10 ppm of PCBs was placed in the bottom of a former basement 8.5 feet bgs (elevation 746). The PCB impacted crushed concrete was covered with 6' of crushed concrete containing less than or equal to 1 ppm of PCBs, 2 feet of imported sandy clay fill, and covered by 6" of 21AA gravel. Excavation in this area is prohibited below 6 feet bgs (elevation 748.5) unless all excavated materials/soils are characterized and managed in accordance with applicable regulations. <BOL>LNAPL impacted soils</BOL> vary in depth encountered and thickness but may be first encountered at 5' to 8' bgs (elevation 745 to 742 and extents depicted on this exhibit) and must be managed in accordance with <BGD yellow="255"> Paragraph 2.k.a of the Declaration of Restrictive Covenant Buick City – Part 111 and RCRA Issues recorded with the Genesee County Register of Deeds on _____.</BGD> <BOL> Lead impacted soils</BOL> may also be encountered as shallow as 0.5' bgs (elevation 749 and extents as depicted on this exhibit) and must be managed in accordance with <BGD yellow="255"> Exhibit Soil Impact Area #35 attached to the Declaration of Restrictive Covenant Buick City – Part 111 and RCRA Issues recorded with the Genesee County Register of Deeds on _____. </BGD> When excavation and backfill are completed, if a cap consisting of a minimum of 6" of concrete or asphalt, or a minimum of 10" of 10 -7 compacted clay is installed over this area, this restriction can be modified to High Occupancy, or if all PCBs over 1 ppm are removed this restriction can be rescinded if either is approved by USEPA pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.
Block 2	PCB Area #20 (for review)	This Area is restricted to Low Occupancy pursuant to 40 CFR 761.61(a)(4)(i)(B) and (4)(ii). Two feet of sediments containing 2 ppm PCBs were left in place in the bottom of the former oil interceptor #2 during decommissioning to 18 ft bgs (elevation 725). In addition, wipe samples collected from 7 ft bgs (elevation 736) from the sheet pile wall detected PCBs at concentrations of up to 24 ug/100 cm2. The PCB impacted sediments were covered with 13.5 feet of soil, a 60-mil geomembrane liner, a 6-ounce non-woven geo textile, 1-foot of clay, an additional 6-ounce nonwoven geotextile, and 3.5 ft of soil filled to grade (elevation 743). See Page 3 of 3. The sheet pile wall was encased in the same soil backfill. Excavation in this area is prohibited below 2 feet bgs (elevation 741) with no exception unless a specific work plan for such work is approved in writing in advance by RACER trust and USEPA.
Block 2	LNAPL Area No. 2	LNAPL generally consisting of fuel oil may be first encountered approximately 11 bgs. This area is covered with exposed soils. Excavation in this area is prohibited below 10 feet bgs unless all excavated soils are managed in accordance with applicable regulations including Part 201 Section 20120c or disposed of off-site. If any liquid LNAPL is encountered it must be removed, placed in an appropriate container, and characterized for off-site disposal. The potential presence of <BOL>TCE</BOL> may result in liquid LNAPL, if any, being designated a hazardous waste.
Block 2	LNAPL Area No. 3	LNAPL generally consisting of hydraulic oil may be encountered approximately 5 feet bgs. This area is covered with 1 to 1.5 feet of concrete and areas of exposed soils. Excavation in this area is prohibited below 4 feet bgs unless all excavated soils are managed in accordance with applicable regulations including Part 201 Section 20120c or disposed of off-site. If any liquid LNAPL is encountered it must be removed, placed in an appropriate container, and characterized for off-site disposal. The potential presence of <BOL>arsenic, benzene, chromium, and lead</BOL> may result in liquid LNAPL being designated a hazardous waste. <BOL>PCB impacted soils</BOL> may be encountered in 3 PCB areas to the extents depicted on this exhibit (PCB Area #2, PCB Area #3 and PCB Area #18) and must be managed in accordance with Exhibits PCB Area #2, PCB Area #3 and PCB Area #18 attached to the Declaration of Restrictive Covenant – TSCA Issues recorded with the Genesee County Register of Deeds on <BGD yellow="255">_____.</BGD> <BOL>Manganese impacted soils</BOL> above the Nonresidential Particulate Inhalation Criterion of 1,500 ppm may be encountered from .5' to 3' bgs (elevation 746.2 to 743.7 and extents depicted on this exhibit) and must be managed in accordance with Exhibit Soil Impact #4 attached to this Declaration of Restrictive Covenant. <BOL>Lead impacted soils</BOL> may be encountered within Soil Impact Area #35 (elevation 753 to 729.5) and the extents depicted on this exhibit. Any excavation within these areas must be managed as required under Exhibit Soil Impact Area #35 attached to this Declaration of Restrictive Covenant. The area is covered by 1 foot of concrete. Direct contact with excavated soils must be prevented. <BOL><UND><ITA>An Area of Contamination has been approved for Soil Impact Area #35 as depicted on this exhibit.</ITA></UND></BOL> As a result of the approved AOC, lead contaminated soils and other potentially hazardous waste contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations.
Block 2	LNAPL Area No. 4	LNAPL generally consisting of quench oil may be encountered approximately 6 feet bgs. This area is covered with 1 to 4.5 feet of concrete and areas of exposed soils. Excavation in this area is prohibited below 5 feet bgs unless all excavated soils are managed in accordance with applicable regulations including Part 201 Section 20120c or disposed of off-site. If any liquid LNAPL is encountered it must be removed, placed in an appropriate container, and characterized for off-site disposal. <BOL>PCB impacted soils</BOL> may be encountered between 8 to 10 feet bgs (elevation 739.6 to 737.6) and extents depicted on this exhibit and must be managed in accordance with Exhibit PCB Area #7 attached to the Declaration of Restrictive Covenant – TSCA Issues recorded with the Genesee County Register of Deeds on <BGD yellow="255">_____</BGD>. <BOL>Benzo(a)pyrene impacted soils</BOL> may be encountered between 1 and 10 feet bgs (elevation 747.6 to 738.6) and extents depicted on this exhibit which exceed the direct contact criteria of 8 ppm. The area is covered by 1 foot of concrete. Direct contact with excavated soils must be prevented. Excavation in this area is prohibited (below elevation 748.6) unless all excavated soils are characterized and managed in accordance with Exhibit Soil Impact #5 attached to this Declaration of Restrictive Covenant. <BOL>Lead impacted soils</BOL> may be encountered within Soil Impact Area/Area of Contamination #40 (elevation 746 to 735.5) and the extents depicted on this exhibit. Any excavation within this area must be managed as required under Exhibit Soil Impact Area #40 attached to this Declaration of Restrictive Covenant. The area is covered by 1 foot of concrete. Direct contact with excavated soils must be prevented. <BOL><UND><ITA>An Area of Contamination has been approved for Soil Impact Area #40 as depicted on this exhibit. </ITA></UND></BOL> As a result of the approved AOC, lead contaminated soils and other potentially hazardous waste contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations.

Block Name	RC_AREA Name	RC Note (April 2023)
Block 2	LNAPL Area No. 7A	LNAPL generally consisting of cutting oil may be encountered approximately 3 feet bgs. This area is covered with exposed soils. Excavation in this area is prohibited below 3 feet bgs unless all excavated soils are managed in accordance with applicable regulations including Part 201 Section 20120c or disposed of off-site. If any liquid LNAPL is encountered it must be removed, placed in an appropriate container, and characterized for off-site disposal. <BOL>PCB impacted soils</BOL> may be encountered between 0 to 9 feet bgs (elevation 743.4 to 734.4) and extents depicted on this exhibit and must be managed in accordance with Exhibit PCB Area #8 attached to the Declaration of Restrictive Covenant – TSCA Issues recorded with the Genesee County Register of Deeds on <BGD yellow="255">_____.</BGD>
Block 2	LNAPL Area No. 7B	LNAPL generally consisting of cutting oil may be encountered approximately 4 feet bgs. This area is covered with exposed soils. Excavation in this area is prohibited below 3 feet bgs unless all excavated soils are managed in accordance with applicable regulations including Part 201 Section 20120c or disposed of off-site. If any liquid LNAPL is encountered it must be removed, placed in an appropriate container, and characterized for off-site disposal. The potential presence of <BOL>arsenic</BOL> may result in liquid LNAPL, if any, being designated a hazardous waste. <BOL>PCB impacted soils</BOL> may be encountered between 0 to 9 feet bgs (elevation 743.4 to 734.4) and extents depicted on this exhibit and must be managed in accordance with Exhibit PCB Area #8 attached to the Declaration of Restrictive Covenant – TSCA Issues recorded with the Genesee County Register of Deeds on <BGD yellow="255">_____.</BGD> <BOL>Lead impacted soils</BOL> may be encountered within Soil Impact Area/Area of Contamination #42 (elevation 740 to 738) and the extents depicted on this exhibit. Any excavation within this area must be managed as required under Exhibit Soil Impact Area/Area of Contamination #42 attached to this Declaration of Restrictive Covenant. The area is covered exposed soils. Direct contact with excavated soils must be prevented. <BOL><UND><ITA>An Area of Contamination has been approved for Soil Impact Area #42 as depicted on this exhibit. </ITA></UND></BOL> As a result of the approved AOC, lead contaminated soils and other potentially hazardous waste contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations.
Block 2	SI-18	One soil sample at a depth of 0 to 2 feet bgs (elevation 750.7 to 748.7) contained <BOL>manganese</BOL> at 2500 ppm which exceeds the Nonresidential Particulate Inhalation Criterion of 1,500 ppm. The area is covered by soil. Direct contact with surface soils is prohibited. During any excavation direct contact with excavated soils must be prevented and dust control is required to prevent dust inhalation. Excavation in this area is prohibited unless all excavated soils are characterized and managed in accordance with applicable regulations. If all soils containing more than 1,500 ppm of manganese are removed this restriction can be rescinded, if approved by EGLE pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.
Block 2	SI-3	One soil sample at a depth of 1 to 3 feet bgs (elevation 750.9 to 748.9) contained <BOL>manganese</BOL> at 1,800 ppm which exceeds the Nonresidential Particulate Inhalation Criterion of 1500 ppm. The area is covered by 1 foot of concrete. Dust control is required during any excavation activity to prevent dust inhalation. Excavation in this area is prohibited (elevation 751.9) unless all excavated soils are characterized and managed in accordance with applicable regulations. If all soils containing more than 1,500 ppm of manganese are removed this restriction can be rescinded, if approved by EGLE pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.
Block 2	SI-4	Nine soil samples at a depth of .5 to 3 feet bgs (elevation 746.2 to 743.7) contained manganese between 2,300 and 4,700 ppm which exceed Nonresidential Particulate Inhalation Criterion of 1500 ppm. Portions of this area are covered by .5 feet of asphalt, 1 foot of concrete, or exposed soil. Dust control is required during any excavation activity to prevent dust inhalation. Excavation in this area is prohibited unless all excavated soils are characterized and managed in accordance with applicable regulations. If all soils containing more than 1,500 ppm of manganese are removed this restriction can be rescinded with respect to manganese, if approved by EGLE pursuant to Paragraph 11 of this Restrictive Covenant. <BOL>LNAPL impacted soils</BOL> may be encountered at 5 to 8 feet bgs (elevation 741.7 to 738.7 and extents as depicted on this exhibit) and must be managed in accordance with Exhibit LNPAL #3 attached to this Declaration of Restrictive Covenant. <BOL>Lead impacted soils</BOL> may be encountered within Soil Impact Area #35 (elevation 748 to 724) and Soil Impact Area #40 (elevation 747.5 to 739.5) to the extents depicted on this exhibit. Any excavation within these areas must be managed as required under Exhibit Soil Impact Area #35 and/or Exhibit Soil Impact Area #40 attached to this Declaration of Restrictive Covenant.
Block 2	SI-5	Three soil samples at a depth of 1 to 10 feet bgs (elevation 747.6 to 738.6) contained <BOL>benzo(a)pyrene</BOL> between 8.23 and 16.87 ppm which exceed the direct contact criteria of 8 ppm. The area is covered by 1 foot of concrete. Direct contact with excavated soils must be prevented. Excavation in this area is prohibited (elevation 748.6) unless all excavated soils are characterized and managed in accordance with applicable regulations. If all soils containing more than 8 ppm of benzo(a)pyrene are removed this restriction can be rescinded with respect to benzo(a)pyrene, if approved by EGLE pursuant to Paragraph 11 of this Restrictive Covenant. <BOL>LNAPL impacted soils may be encountered at 6 feet bgs (elevation 742.6 and extents as depicted on this exhibit) and must be managed in accordance with Exhibit LNAPL Area #4 attached to this Declaration of Restrictive Covenant. Lead impacted</BOL> soils may be encountered at 1 to 9 feet bgs (elevation 749.6 to 738.6 and extents as depicted on this exhibit) and must be managed in accordance with Exhibit Soil Impact Area #40 attached to this Declaration of Restrictive Covenant. <BOL>PCB impacted</BOL> soils may be encountered at 8 to 10 feet bgs (elevation 740.6 to 738.6 and extents as depicted on this exhibit) and must be managed in accordance with Exhibit PCB Area #7 attached to the <BGD yellow="255">Declaration of Restrictive Covenant – TSCA Issues recorded with the Genesee County Register of Deeds on _____.</BGD>
Block 2	SI-8	One soil sample at a depth of 0 to 2 feet bgs (elevation 744.6 to 742.6) contained <BOL>arsenic</BOL> at 56 ppm which exceeds the direct contact criteria of 37 ppm. The area is covered by 1' of soil. Direct contact with excavated soils must be prevented. Excavation in this area is prohibited unless all excavated soils are characterized and managed in accordance with applicable regulations. If all soils containing more than 37 ppm of arsenic are removed this restriction can be rescinded, if approved by EGLE pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.

Block Name	RC_AREA Name	RC Note (April 2023)
Block 2	SI-9	One soil sample at a depth of 1 to 3 feet bgs (745.0 – 743.0) contained <BOL>1,1,1 trichloroethane</BOL> at 47,000 ppm which exceeds the Soil Volatilization to Ambient Air criteria of 31,000 ppm. Any work conducted in this area must include air monitoring for VOCs. Excavation in this area is prohibited unless all excavated soils are characterized and managed in accordance with applicable regulations. <BOL>PCB impacted</BOL> soils may be encountered at .7 to 2 feet bgs (elevation 745.5 to 743 and extents as depicted on this figure) and must be managed in accordance with Exhibit PCB <BGD yellow="255">Area #9 attached to the Declaration of Restrictive Covenant – TSCA Issues recorded with the Genesee County Register of Deeds on _____.</BGD> <BOL>Lead impacted soils</BOL> may be encountered at 1 to 3' bgs (elevation 745 to 742.5 and extents as depicted on this exhibit) and must be managed in accordance with Exhibit Soil Impact Area/AOC #34 attached to this Declaration of Restrictive Covenant.
Block 2	SI/AOC-1	One soil sample at a depth of 1 to 3 feet bgs (elevation 752.7 to 750.7) contained lead at 1,110 ppm which exceeds the direct contact criteria of 900 ppm and is likely characteristic hazardous waste. The area is covered by 1 foot of concrete. Direct contact with excavated soils must be prevented. <BOL><ITA><UND>An Area of Contamination (AOC) has been approved for this area as depicted on this Exhibit. </UND></ITA></BOL>As a result of the approved AOC, lead contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations. If all soils containing more than <BGD yellow="255">400 ppm of lead</BGD> are removed this restriction can be rescinded, if approved by EGLE pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.
Block 2	SI/AOC-2	One soil sample at a depth of 1 to 3 feet bgs (elevation 748.9 to 746.9) contained <BOL>lead</BOL> at 2,200 ppm which exceeds the direct contact criteria of 900 ppm and is likely characteristic hazardous waste. The area is covered by 1 foot of concrete. Direct contact with excavated soils must be prevented. <BOL><ITA><UND>An Area of Contamination has been approved for this area as depicted on this Exhibit. </UND></ITA></BOL>As a result of the approved AOC, lead contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations. If all soils containing more than <BGD yellow="255">400 ppm of lead</BGD> are removed this restriction can be rescinded as to lead, if approved by EGLE pursuant to Paragraph 11 of this Declaration of Restrictive Covenant. One soil sample at a depth of 9 to 11 feet bgs (740.9 – 738.9) contained: i) <BOL>arsenic</BOL> at 40 ppm which exceeds the direct contact criteria of 36 ppm, and ii) <BOL>manganese</BOL> at 3,100 ppm which exceeds the Nonresidential Particulate Inhalation Criterion of 1,500 ppm. Below a depth of 8 feet (elevation 741.9) any direct contact with excavated soils must be prevented and dust control is required during any excavation activity to prevent dust inhalation. If all soils containing more than 1,500 ppm of manganese and more than 36 ppm of arsenic are removed this restriction can be rescinded as to manganese and/or arsenic, if approved by EGLE pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.
Block 2	SI/AOC-34	One soil sample at a depth of 1 to 3 feet bgs (elevation 745 to 742.5) contained <BOL>lead</BOL> at 3,100 ppm which exceeds the direct contact criteria of 900 ppm. These soils are likely characteristic hazardous waste. The area is covered with about 1 foot of concrete. Direct contact with excavated soils must be prevented and dust control is required during any excavation activity to prevent dust inhalation. <BOL><ITA><UND>An Area of Contamination has been approved for this area as depicted on this Exhibit.</UND></ITA></BOL>As a result of the approved AOC, lead contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations. If all soils containing more than <BGD yellow="255">400 ppm of lead</BGD> are removed this restriction can be rescinded with respect to lead, if approved by EGLE pursuant to Paragraph 11 of this Restrictive Covenant. <BOL>1,1,1 Trichloroethane</BOL> may be encountered 1 to 3' bgs (elevation 745.5 to 741 and to the extents depicted on this exhibit) and must be managed in accordance with Exhibit Soil Impact Area #9 attached to this Declaration of Restrictive Covenant.
Block 2	SI/AOC-35	53 samples from a depth of .5 to 24 feet bgs (elevation 753 to 729.5) contained <BOL>lead</BOL> from 914 to 73,300 ppm which exceed the direct contact criteria of 900 ppm. These soils are likely characteristic hazardous waste. The area is covered with .25 to 1 foot of concrete with several areas with exposed soils. Direct contact with excavated soils must be prevented and dust control is required during any excavation activity to prevent dust inhalation. <BOL><ITA><UND>An Area of Contamination has been approved for this area as depicted on this Exhibit.</UND></ITA></BOL>As a result of the approved AOC, lead contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations. If all soils containing more than <BGD yellow="255">400 ppm of lead</BGD> are removed this restriction can be rescinded with respect to lead, if approved by EGLE pursuant to Paragraph 11 of this Restrictive Covenant. Manganese impacted soils above the Nonresidential Particulate Inhalation Criterion of 1,500 ppm may be encountered from .5' to 3' bgs (elevation 748 to 742.5 and extents depicted on this exhibit) and must be managed in accordance with Exhibit Soil Impact #4 attached to this Declaration of Restrictive Covenant. <BOL>LNAPL impacted soils</BOL> may be encountered at 5 to 8 feet bgs (elevation 736.8 to 732.8 and extents as depicted on this exhibit) and must be managed in accordance with Exhibit LNAPL Area #3 attached to this Declaration of Restrictive Covenant. <BOL>PCB impacted soils</BOL> may be encountered in 3 PCB areas depicted on this exhibit (PCB Area #2, PCB Area #3 and PCB Area #18) and must be managed in accordance with Exhibits PCB Area #2, PCB Area #3 and PCB Area #18 attached <BGD yellow="255">to the Declaration of Restrictive Covenant – TSCA Issues recorded with the Genesee County Register of Deeds on _____.</BGD>
Block 2	SI/AOC-40	14 samples from a depth of 1 to 9 feet bgs (elevation 746 to 735.5) contained <BOL>lead</BOL> from 1090 to 2030 ppm which exceed the direct contact criteria of 900 ppm. These soils are likely characteristic hazardous waste. The area is covered with .5 to 1 foot of concrete/asphalt with exposed soils at SB-03-31. Direct contact with excavated soils must be prevented and dust control is required during any excavation activity to prevent dust inhalation. <BOL><ITA><UND>An Area of Contamination has been approved for this area as depicted on this Exhibit.</UND></ITA></BOL>As a result of the approved AOC, lead contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations. If all soils containing more than <BGD yellow="255">400 ppm of lead</BGD> are removed this restriction can be rescinded with respect to lead, if approved by EGLE pursuant to Paragraph 11 of this Restrictive Covenant. <BOL>Manganese impacted soils</BOL> above the Nonresidential Particulate Inhalation Criterion of 1,500 ppm may be encountered from .5' to 3' bgs (elevation 748 to 742.5 and extents depicted on this exhibit) and must be managed in accordance with Exhibit Soil Impact #4 attached to this Declaration of Restrictive Covenant. <BOL>LNAPL impacted soils</BOL> may be encountered at 6 feet bgs (elevation 741 and extents as depicted on this exhibit) and must be managed in accordance with Exhibit LNAPL Area #4 attached to this Declaration of Restrictive Covenant. <BOL>PCB impacted soils</BOL> may be encountered at 8 to 10 feet bgs (elevation 740 to 737.5 and extents depicted on this exhibit) and must be managed in accordance with Exhibit PCB Area #7 attached <BGD yellow="255">to the Declaration of Restrictive Covenant – TSCA Issues recorded with the Genesee County Register of Deeds on _____.</BGD>
Block 2	SI/AOC-41	One sample at a depth of 2.5 to 5 feet bgs (elevation 744.0 to 736.0) contained <BOL>lead</BOL> at 4,760 ppm which exceeds the direct contact criteria of 900 ppm. The soils are likely characteristic hazardous waste. The area is covered by exposed soils. Direct contact with excavated soils must be prevented. <BOL><ITA><UND>An Area of Contamination has been approved for this area as depicted on this Exhibit.</UND></ITA></BOL>As a result of the approved AOC, lead contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations. If all soils containing more than <BGD yellow="255">400 ppm of lead</BGD> are removed this restriction can be rescinded, if approved by EGLE pursuant to Paragraph 11 of this Declaration of Restrictive Covenant. <BOL>PCB impacted</BOL> soils may be encountered from 0 to 9 feet bgs (elevation 744 to 734 and extents as depicted on this exhibit) and must be managed in accordance with Exhibit PCB <BGD yellow="255">Area #8 attached to the Declaration of Restrictive Covenant – TSCA Issues recorded with the Genesee County Register of Deeds on _____.</BGD>

Block Name	RC_AREA Name	RC Note (April 2023)
Block 2	SI/AOC-42	1 sample from a depth of 3 to 5 feet bgs (elevation 740 to 738) contained <BOL>lead</BOL> at 2400 ppm which exceeds the direct contact criteria of 900 ppm. These soils are likely characteristic hazardous waste. The area is covered with exposed soils. Direct contact with excavated soils must be prevented and dust control is required during any excavation activity to prevent dust inhalation. <BOL><ITA><UND>An Area of Contamination has been approved for this area as depicted on this Exhibit.</UND></ITA></BOL>As a result of the approved AOC, lead contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations. If all soils containing more than <BGD yellow="255">400 ppm of lead</BGD> are removed this restriction can be rescinded with respect to lead, if approved by EGLE pursuant to Paragraph 11 of this Restrictive Covenant. <BOL>LNAPL impacted soils</BOL> may be encountered at 3 to 5 feet bgs (elevation 740 and extents as depicted on this exhibit) and must be managed in accordance with Exhibit LNAPL Area #7 attached to this Declaration of Restrictive Covenant. <BOL>PCB impacted soils</BOL> may be encountered at 0 to 9 feet bgs (elevation 744 to 734 and extents depicted on this exhibit) and must be managed in accordance with Exhibit PCB Area #8 attached <BGD yellow="255">to the Declaration of Restrictive Covenant – TSCA Issues recorded with the Genesee County Register of Deeds on _____</BGD>
Block 2	WMU #2	WMU #2 is the location of a former AST that reportedly stored F003 and F005 listed wastes. Benzene was detected above Part 201 standards in shallow soils – but no VOCs were found in groundwater samples. A nearby gasoline AST had a known release but never stored F003 or F005 wastes. Therefore, it is not possible to definitively determine the source of benzene impacts. Any soils excavated from within WMU #2 must be disposed of offsite as listed hazardous waste unless further characterization or delisting allows alternative means of management/disposal.
Block 2	WMU #4	WMU #4 is located within Soil Impact/Area of Contamination #35. Samples from the area of WMU #4 detected VOCs above GSIP, GSI and NDWP and NDW criteria – however, there is no complete exposure pathway to groundwater therefore soils may be managed within the AOC. As a result of the approved AOC, contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be managed as a listed waste unless further characterization supports alternate measures in accordance with applicable regulations.
Block 2	WMU #5	WMU #5 is located within Soil Impact/Area of Contamination #35. One sample from the area of WMU #5 detected methylphenol above GSIP criteria - however, there is no complete exposure pathway to groundwater therefore soils may be managed within the AOC. As a result of the approved AOC, contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be managed as a listed waste unless further characterization supports alternate measures in accordance with applicable regulations.
Block 3	PCB AREA #4	This Area is restricted to Low Occupancy pursuant to 40 CFR 761.61(a)(4)(i)(B). Four soil samples in this area contained between 1.1 ppm and 17 ppm PCBs at a depth of 11 to 18 feet (elevation 744 to 736.5) with a cover of 1' to 3.5' of concrete. Excavation below 10' bgs (elevation 745) is prohibited unless all excavated soils are characterized and managed in accordance with applicable regulations. Direct contact with the excavated soils must be prevented. <BOL>LNAPL impacted soils</BOL> vary in depth encountered and thickness but may be first encountered at 5.5' bgs (elevation 749.5 and extents depicted on this exhibit) and must be managed in accordance with <BGD yellow="255"> Paragraph 2.k.a of the Declaration of Restrictive Covenant Buick City – Part 111 and RCRA Issues recorded with the Genesee County Register of Deeds on _____.</BGD> When excavation and backfill are completed, a cap consisting of a minimum of 6" of concrete or asphalt, or a minimum of 10" of 10 -7 compacted clay must be installed over this area. If all PCBs over 10 ppm are removed this restriction can be modified to High Occupancy, or if all PCBs over 1 ppm are removed this restriction can be rescinded if either is approved by USEPA pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.
Block 3	PCB AREA #5	This Area is restricted to Risk Based Low Occupancy pursuant to 40 CFR 761.61(c). Twenty-seven (27) soil samples in this area exceeded 1 ppm. One sample contained PCBs at 61 ppm from 15 to 17 feet bgs (SB-DH-RW-1-27) with 1' concrete cover and a second contained PCBs at 28 ppm from 3 to 5 feet bgs (SB-DH-RW-1-30) with gravel and soil cover of about 3'. The lack of concrete cover over sample location SB-DH-RW-1-30 required risk based Low Occupancy status. Excavation below a depth of 2' (elevation 749.5) is prohibited unless all excavated soils are characterized and managed in accordance with applicable regulations. Direct contact with the excavated soils must be prevented. <BOL>LNAPL impacted soils</BOL> vary in depth encountered and thickness but may be first encountered at or below 2' bgs (elevation 749.5 and extents depicted on this exhibit) and must managed in accordance with <BGD yellow="255"> Paragraph 2.k.a of the Declaration of Restrictive Covenant Buick City – Part 111 and RCRA Issues recorded with the Genesee County Register of Deeds on _____.</BGD> When excavation and backfill are completed, a cap consisting of a minimum of 6" of concrete or asphalt, or a minimum of 10" of 10 -7 compacted clay must be installed over this area. If properly capped and all PCBs over 10 ppm are removed this restriction can be modified to High Occupancy, or if all PCBs over 1 ppm are removed this restriction can be rescinded if either is approved by USEPA pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.
Block 3	PCB AREA #6	This Area is restricted to Low Occupancy pursuant to 40 CFR 761.61(a)(4)(i)(B). One soil sample at depth of 5 to 7 feet bgs (elevation 744 to 742) contained PCBs at 1.6 ppm with 1' gravel surface cover. Excavation in this area is prohibited below a depth of 2' bgs (elevation747) unless all excavated soils are characterized and managed in accordance with applicable regulations. <BOL>LNAPL impacted soils</BOL> vary in depth encountered and thickness but may be first encountered as shallow as 2' bgs (elevation 747 and extents depicted on this exhibit) and must be managed in accordance with <BGD yellow="255"> Paragraph 2.k.a of the Declaration of Restrictive Covenant Buick City – Part 111 and RCRA Issues recorded with the Genesee County Register of Deeds on _____.</BGD> When excavation and backfill are completed, if a cap consisting of a minimum of 6" of concrete or asphalt, or a minimum of 10" of 10 -7 compacted clay is installed over this area, this restriction can be modified to High Occupancy, or if all PCBs over 1 ppm are removed this restriction can be rescinded, if either is approved by USEPA pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.
Block 3	PCB Area #19	This Area is restricted to Low Occupancy pursuant to 40 CFR 761.61(a)(4)(i)(B). Crushed concrete backfill material containing greater than 1 ppm and less than 10 ppm of PCBs was placed in the bottom of a former basement 8.5 feet bgs (elevation 746.5). The PCB impacted crushed concrete was covered with 6' of crushed concrete containing less than or equal to 1 ppm of PCBs, 2 feet of imported sandy clay fill, and covered by 6" of 21AA gravel. Excavation in this area is prohibited below 6 feet bgs (elevation 749) unless all excavated materials/soils are characterized and managed in accordance with applicable regulations. When excavation and backfill are completed, if a cap consisting of a minimum of 6" of concrete or asphalt, or a minimum of 10" of 10 -7 compacted clay is installed over this area, this restriction can be modified to High Occupancy, or if all PCBs over 1 ppm are removed this restriction can be rescinded if either is approved by USEPA pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.

Block Name	RC_AREA Name	RC Note (April 2023)
Block 3	SI/AOC-7	One soil sample at a depth of 7 to 9 feet bgs (elevation 735.6 to 733.6) contained <BOL>lead</BOL> at 3,500 ppm which exceeds the direct contact criteria of 900 ppm and is likely characteristic hazardous waste. The area is covered by 1 foot of concrete. Direct contact with excavated soils must be prevented. <BOL><ITA><UND>An Area of Contamination has been approved for this area as depicted on this Exhibit.</UND></ITA></BOL>As a result of the approved AOC, lead contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations. If all soils containing more than <BGD yellow="255">400 ppm of lead</BGD> are removed this restriction can be rescinded, if approved by EGLE pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.
Block 3	SI/AOC-30 (for review)	One soil sample at a depth of 0 to 2 feet bgs (elevation 748.7 to 746.7) contained <BOL>lead</BOL> at 3,100 ppm which exceeds the direct contact criteria of 900 ppm and is likely characteristic hazardous waste. The area is covered with 18” of soil cover or 1.3’ of asphalt. Direct contact with excavated soils must be prevented. <BOL><ITA><UND>An Area of Contamination has been approved for this area as depicted on this Exhibit.</UND></ITA></BOL> As a result of the approved AOC, lead contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations. <BOL>Manganese impacted soils</BOL> above the Nonresidential Particulate Inhalation Criterion of 1,500 ppm may be encountered below 4 bgs (elevation 749.5 and extents depicted on this exhibit). During any excavation direct contact with excavated soils must be prevented and dust control is required to prevent dust inhalation.
Block 3	SI-6 (for review)	Three soil samples at a depth of 4 to 6 feet bgs (744.7 – 742.7) contained <BOL>manganese</BOL> at 1,960 to 2,400 ppm, which exceed the Nonresidential Particulate Soil Inhalation Criterion of 1,500 ppm. The area is covered with 1.3’ of asphalt. Below a depth of 3 feet bgs (elevation 745.7) any direct contact with excavated soils must be prevented and dust control is required during any excavation activity to prevent dust inhalation. Excavation in this area is prohibited unless all excavated soils are characterized and managed in accordance with applicable regulations. If all soils containing more than 1,500 ppm of manganese are removed this restriction can be rescinded with respect to manganese, if approved by EGLE pursuant to Paragraph 11 of this Restrictive Covenant. <BOL>Lead impacted</BOL> soils may be encountered at 0 to 6 feet bgs (elevation 749.6 to 743.9 and extents as depicted on this exhibit) and must be managed in accordance with Exhibit Soil Impact Area #30 attached to this Declaration of Restrictive Covenant.
Block 4	PCB AREA #10	This Area is restricted to High Occupancy pursuant to 40 CFR 761.61(a)(4)(i)(A). One soil sample at depth of 3 to 5 feet bgs (elevation 743.5 to 741.5) contained PCBs at 3.6 ppm with 1’ of concrete surface cover. Any excavation in this area is prohibited unless all excavated soils are characterized and managed in accordance with applicable regulations. <BOL>Lead impacted soils</BOL> and <BOL>manganese impacted soils</BOL> may be encountered below 1’ bgs (elevation 745.5). <BOL>Benzo(a)pyrene impacted soils</BOL> may be encountered below 1’ bgs (elevation 745.5) and <BOL>LNAPL impacted soils</BOL> vary in depth encountered and thickness but may be first encountered as shallow as 3’ bgs (elevation 743.5 and extents depicted on this exhibit) and must be managed in accordance with <BGD yellow="255"> Paragraph 2.k.a of the Declaration of Restrictive Covenant Buick City – Part 111 and RCRA Issues recorded with the Genesee County Register of Deeds on _____. </BGD> Manganese, benzo(a)pyrene, and lead impacted soils must be managed in accordance with <BGD yellow="255">Exhibit Soil Impact #11 attached to the Declaration of Restrictive Covenant Buick City – Part 111 and RCRA Issues recorded with the Genesee County Register of Deeds on _____.</BGD> When excavation and backfill are completed a cap consisting of a minimum of 6" of concrete or asphalt, or a minimum of 10" of 10 -7 compacted clay must be installed over this area. If all PCBs over 1 ppm are removed this restriction can be rescinded with respect to PCBs, if approved by USEPA pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.
Block 4	LNAPL Area No. 8A	LNAPL generally consisting of cutting oil may be encountered approximately 4 feet bgs. This area is covered with exposed soils. Excavation in this area is prohibited below 4 feet bgs unless all excavated soils are managed in accordance with applicable regulations including Part 201 Section 20120c or disposed of off-site. If any liquid LNAPL is encountered it must be removed, placed in an appropriate container, and characterized for off-site disposal. The potential presence of <BOL>chromium</BOL> may result in liquid LNAPL, if any, being designated a hazardous waste.
Block 4	LNAPL Area No. 8B	LNAPL generally consisting of fuel oil may be first encountered approximately 3 bgs. This area is covered with exposed soils. Excavation in this area is prohibited below 3 feet bgs unless all excavated soils are managed in accordance with applicable regulations including Part 201 Section 20120c or disposed of off-site. If any liquid LNAPL is encountered it must be removed, placed in an appropriate container, and characterized for off-site disposal. The potential presence of <BOL>chromium</BOL> may result in liquid LNAPL, if any, being designated a hazardous waste.
Block 4	LNAPL Area No. 9	LNAPL generally consisting of cutting oil may be first encountered approximately 10 bgs. This area is covered with 1 foot of concrete. Excavation in this area is prohibited below 10 feet bgs unless all excavated soils are managed in accordance with applicable regulations including Part 201 Section 20120c or disposed of off-site. If any liquid LNAPL is encountered it must be removed, placed in an appropriate container, and characterized for off-site disposal. The potential presence of <BOL>arsenic</BOL> may result in liquid LNAPL, if any, being designated a hazardous waste.

Block Name	RC_AREA Name	RC Note (April 2023)
Block 4	LNAPL Area No. 10	LNAPL generally consisting of cutting oil may be encountered approximately 3 feet bgs. This area is covered with foot of concrete. Excavation in this area is prohibited below 3 feet bgs unless all excavated soils are managed in accordance with applicable regulations including Part 201 Section 20120c or disposed of off-site. If any liquid LNAPL is encountered it must be removed, placed in an appropriate container, and characterized for off-site disposal. The potential presence of <BOL>arsenic and lead</BOL> may result in liquid LNAPL being designated a hazardous waste. <BOL>PCB impacted soils</BOL> may be encountered from 3' to 5' bgs (elevation 742.7 to 740.7) and extents depicted on this exhibit) and must be managed in accordance with Exhibit PCB Area #10 attached to the Declaration of Restrictive Covenant – TSCA Issues recorded with the Genesee County Register of Deeds on <BGD yellow="255">_____</BGD>. <BOL>Manganese impacted soils</BOL> above the Nonresidential Particulate Inhalation Criterion of 1,500 ppm may be encountered from .9' to 9' bgs (elevation 744.1 to 736.3 and extents depicted on this exhibit) and must be managed in accordance with Exhibit Soil Impact #11 attached to this Declaration of Restrictive Covenant. <BOL>Benzo(a)pyrene impacted soils</BOL> may be encountered between 1 and 8 feet bgs (elevation 747.6 to 738.6) and extents depicted on this exhibit which exceed the direct contact criteria of 8 ppm. The area is covered by .5 foot of concrete. Direct contact with excavated soils must be prevented. Excavation in this area is prohibited (below elevation 745.1) unless all excavated soils are characterized and managed in accordance with Exhibit Soil Impact #11 attached to this Declaration of Restrictive Covenant. <BOL>Lead impacted soils</BOL> may be encountered within Soil Impact Area/Area of Contamination #11 (elevation 744 to 736) and the extents depicted on this exhibit. Any excavation within this area must be managed as required under Exhibit Soil Impact Area #11 attached to this Declaration of Restrictive Covenant. The area is covered by 0.7 to 1 foot of concrete. Direct contact with excavated soils must be prevented. <BOL><UND><ITA>An Area of Contamination has been approved for Soil Impact Area #11 as depicted on this exhibit. </ITA></UND></BOL> As a result of the approved AOC, lead contaminated soils and other potentially hazardous waste contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations.
Block 4	LNAPL Area No. 11	LNAPL generally consisting of cutting oil may be encountered approximately 6 feet bgs. This area is covered with 1 foot of concrete. Excavation in this area is prohibited below 6 feet bgs unless all excavated soils are managed in accordance with applicable regulations including Part 201 Section 20120c or disposed of off-site. If any liquid LNAPL is encountered it must be removed, placed in an appropriate container, and characterized for off-site disposal. The potential presence of <BOL>1, 4-Dichlorobenzene</BOL> may result in liquid LNAPL, if any, being designated a hazardous waste. <BOL>Lead impacted soils</BOL> may be encountered within Soil Impact Area/Area of Contamination #13 (elevation 740 to 738) and the extents depicted on this exhibit. Any excavation within this area must be managed as required under Exhibit Soil Impact Area/Area of Contamination #13 attached to this Declaration of Restrictive Covenant. The area is covered with 0.7 to 1 foot of concrete. Direct contact with excavated soils must be prevented. <BOL><UND><ITA>An Area of Contamination has been approved for Soil Impact Area #42 as depicted on this exhibit. </ITA></UND></BOL> As a result of the approved AOC, lead contaminated soils and other potentially hazardous waste contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations.
Block 4	SI/AOC-10	Twenty-One soil samples at a depth of 2 to 12 feet bgs (elevation 741.0 to 731.0) contained <BOL>lead</BOL> from 1,000 to 74,500 ppm which exceed the direct contact criteria of 900 ppm and Nonresidential Particulate Inhalation Criterion of 44,000 ppm. These soils are likely characteristic hazardous waste. The area is covered with 1 to 4 feet of concrete. Direct contact with excavated soils must be prevented and dust control is required during any excavation activity to prevent dust inhalation. <BOL><ITA><UND>An Area of Contamination has been approved for this area as depicted on this Exhibit.</UND></ITA></BOL>As a result of the approved AOC, lead contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations. If all soils containing more than <BGD yellow="255">400 ppm of lead</BGD> are removed this restriction can be rescinded, if approved by EGLE pursuant to Paragraph 11 of this Declaration of Restrictive Covenant.
Block 4	SI/AOC-11	18 soil samples at 1 to 9 feet bgs (elevation 744.0 to 736.0) contained <BOL>lead</BOL> from 1,000 to 9,840 ppm which exceed direct contact (900 ppm). The area is covered by 0.7 to 1 foot of concrete. Direct contact with excavated soils must be prevented. <BOL><ITA><UND>An Area of Contamination has been approved for this area as depicted on this Exhibit.</UND></ITA></BOL> As a result of the approved AOC, lead contaminated soils may be excavated and redeposited within the designated AOC. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations. If all soils containing more than 400 ppm of lead are removed this restriction can be rescinded with respect to lead, if approved by EGLE pursuant to Paragraph 11 of this Declaration of Restrictive Covenant (DRC). 4 soil samples at .9 to 8.7 feet bgs (744.1 – 736.3 and extents as depicted on this exhibit) contained <BOL>manganese</BOL> at 1,800 to 3,500 ppm which exceed the NPIC (1,500 ppm). Direct contact with excavated soils must be prevented and dust control and air monitoring is required during any excavation activity to prevent dust inhalation. 2 soil samples at 0.5 to 5 bgs (elevation 745.3 to 740.5 and extents as depicted on this exhibit) contained <BOL>benzo(a)pyrene</BOL> at 8.3 ppm which exceeds direct contact (8 ppm). The area is covered by .5 feet of concrete. Direct contact with excavated soils must be prevented. Excavation in these areas is prohibited unless all excavated soils are characterized and properly managed. 1 soil sample at 3 to 5 ft bgs (elevation 743 to 740.5) contained <BOL>benzo(a)anthracene</BOL> at a concentration of 81,200 ppm which exceeds direct contact. The area is covered by 0.5 feet of concrete. Direct contact with excavated soils must be prevented during any excavation. 1 soil sample at 3 to 5 ft bgs (elevation 743 to 740.5) contained <BOL>dibenzo(a,h)anthracene</BOL> at 16,900 ppm which exceeds direct contact. The area is covered by 0.5 feet of concrete. Direct contact with excavated soils must be prevented. 1 soil sample at 3 to 5 ft bgs (elevation 743 to 740.5) contained <BOL>phenanthrene</BOL> at 192,000 ppm which exceeds soil VAA criteria. The area is covered by 0.5 feet of concrete. Any work conducted in this area below 2' bgs (elevation 744) must include air monitoring for SVOCs. <BOL>PCB impacted</BOL> soils may be encountered at 3 to 5 feet bgs (elevation 742.0 to 740 and extents as depicted on this exhibit) and must be managed in accordance with Exhibit PCB Area #10 attached to the Declaration of Restrictive Covenant – TSCA Issues recorded with the Genesee County Register of Deeds on <BGD yellow="255">_____</BGD>. <BOL>LNAPL impacted soils</BOL> may be encountered at 3 to 10 feet bgs (elevation 742.0 to 735 and extents as depicted on this exhibit) and must be managed in accordance with Exhibit LNAPL Area #10 attached to this DRC.
Block 4	SI/AOC-13	Sixteen soil samples at a depth of .7 to 8 feet bgs (elevation 746 to 738.7) contained <BOL>lead</BOL> from 915 to 385,000 ppm which exceed the direct contact criteria of 900 ppm and Nonresidential Particulate Inhalation Criterion of 44,000 ppm. These soils are likely characteristic hazardous waste. The area is covered with .7 to 1 foot of concrete. Direct contact with excavated soils must be prevented and dust control is required during any excavation activity to prevent dust inhalation. <BOL><ITA><UND>An Area of Contamination has been approved for this area as depicted on this Exhibit.</UND></ITA></BOL>As a result of the approved AOC, lead contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations. <BOL>LNAPL impacted soils</BOL> may be encountered at 6 feet bgs (elevation 740.7 and extents as depicted on this exhibit) and must be managed in accordance with Exhibit LNAPL #11 attached to this Declaration of Restrictive Covenant.
Block 4	SI/AOC-33	4 soil samples from a depth of 1 to 12 feet bgs (elevation 736 to 727.5) contained <BOL>lead</BOL> from 940 to 5160 ppm which exceeds the direct contact criteria of 900 ppm and are likely characteristic hazardous waste. The area is covered by .5 to 1 foot of concrete and exposed soils in one location. Direct contact with excavated soils must be prevented and dust control is required during any excavation activity to prevent dust inhalation. <BOL>An Area of Contamination has been approved for this area as depicted on this Exhibit.</BOL> As a result of the approved AOC, lead contaminated soils may be excavated and redeposited within the designated AOC boundaries. If any soils are excavated and relocated beyond the AOC boundaries the soils must be properly characterized and managed in accordance with applicable regulations. If all soils containing more than <BGD yellow="255">400 ppm of lead</BGD> are removed this restriction can be rescinded with respect to lead, if approved by EGLE pursuant to Paragraph 11 of this Restrictive Covenant.