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# CARTER CARBURETOR SUPERFUND SITE REMOVAL ACTION FINAL REPORT

## **Carter Carburetor**

2800-2840 North Spring Street  
St. Louis, MO

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## **List of Abbreviations and Acronyms**

ACF	ACF Industries LLC
ACM	asbestos containing material
AQC	Air Quality Control
ARAR	applicable or relevant and appropriate requirements
AST	aboveground storage tank
Bgs	below ground surface
BMP	Best Management Practice
CBI	Carter Building, Inc.
CCCAG	Carter Carburetor Community Action Group
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
cm <sup>3</sup>	cubic centimeter
CPVC	chlorinated polyvinyl chloride
CT1	Cooling Tower 1
cy	cubic yard
DBE	Disadvantaged Business Enterprise
DCE	dichloroethylene
DVBE	Disabled Veteran-owned Business Enterprise
EAM	Environmental Action Memorandum
EE/CA	Engineering Evaluation and Cost Analysis
EP&R	Emergency Planning and Response Branch
EPA	Environmental Protection Agency
ERH	Electrical Resistance Heating
ESE	Environmental Science and Engineering, Inc.
FLIR	Forward Looking Infrared
ft	feet
gpm	gallons per minute
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations
HD	high definition
HDPE	high density polyethylene
HHBGC	Herbert Hoover Boys and Girls Club
ID	identification
IP	internet protocol
ISTD	In Situ Thermal Desorption
lbs	pounds
LRA	Land Reutilization Authority of the City of St. Louis, Missouri
MBE	Minority-owned Business Enterprise
MDNR	Missouri Department of Natural Resources
µg/kg	micrograms per kilogram
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MDNR	Missouri Department of Natural Resources



MSD	Metropolitan St. Louis Sewer District
MSG	Midwest Service Group
OSC	On-Scene Coordinator
OSHA	Occupational Safety and Health Administration
OSWER	Office of Solid Waste and Emergency Response
PCB	polychlorinated biphenyl
PCM	Phase Contrast Microscopy
PCU	power control unit
PEL	permissible exposure limit
PID	photoionization detector
PM <sub>10</sub>	particulate matter 10 microns
POTW	Publicly Owned Treatment Works
ppb	parts per billion
PPE	Personal Protective Equipment
ppm	parts per million
PS	Performance Standard
psf	pounds per square foot
PTZ	Pan/Tilt/Zoom
PVC	polyvinyl chloride
QAPP	Quality Assurance Project Plan
RA	Removal Action
RAGS	Removal Action Goals
RC	reinforced concrete
RCRA	Resource Conservation and Recovery Act
ROW	Right of Way
RTO	Regenerative Thermal Oxidizer
SLMPD	St. Louis Metropolitan Police Department
SRE	Streamlined Risk Evaluation
SVE	Soil Vapor Extraction
SVOC	semi-volatile organic compound
TCE	trichloroethylene
TCF	The City's Finest
TCLP	Toxicity Characteristic Leaching Procedure
TMP	temperature monitoring point(s)
TSCA	Toxic Substances Control Act
TSI	Thermal System Insulation
TWA	time weighted average
USEPA	U.S. Environmental Protection Agency
UST	underground storage tanks
VC	vinyl chloride
VOCs	volatile organic compounds
VP	Vice President
VR	vapor recovery
WBE	Women-owned Business Enterprise

## **GENERAL INFORMATION**

### **Project/Site Information:**

Carter Carburetor Superfund Site  
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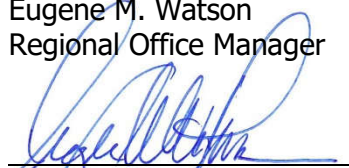
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## 1.0 EXECUTIVE SUMMARY

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The Removal Action was carried out under the requirements of Administrative Settlement Agreement and Order on Consent for Removal Actions (CERCLA-07-2013-0008) between the United States Environmental Protection Agency (USEPA), Region VII and ACF Industries LLC, to perform a Removal Action (RA) at the Former Carter Carburetor Site at 2800-2840 Spring Avenue in St. Louis, Missouri.

The Removal Action at the Carter Carburetor Superfund Site consisted of the excavation and off-site disposal of polychlorinated biphenyls (PCBs), capping on site of remaining contaminated materials and the thermally enhanced extraction with soil vapor extraction of trichloroethylene (TCE) in the subsurface soils. Specifically, the four (4) remedies selected for the Carter Site based on the Enforcement Action Memorandum (EAM) (March 30, 2011) and negotiations with USEPA Region VII were, as follows for each of the areas: 1) the CBI Building – Abatement, demolition, off-site disposal and on-site beneficial reuse PCB impacted building material; 2) the WILLCO Building – Abatement, demolition and on-site beneficial reuse PCB impacted building material; 3) the former Die Cast Area – Excavation with off-site disposal and the installation of a TSCA CAP for beneficial reuse of PCB impacted building material; and 4) former TCE AST Area – In-Situ Thermal Desorption with Soil Vapor Extraction (ISTD/SVE) by Electrical Resistance Heating (ERH). The selected Removal Action(s) supported redevelopment of the Site for industrial, commercial, and recreational uses with limited restrictions.

Removal Action activities began with the start of the Universal Waste removal on March 24, 2014, asbestos abatement activities on April 21, 2014 and dry ice blasting/power washing on November 5, 2014. The Removal Action began with the start of building demolition on December 22, 2014 and continued until all demolition activities were completed on July 28, 2017 with the CBI Subslab Investigation and Removal starting on August 3, 2015 with completion on March 1, 2017. The Die Cast Area Excavation and TSCA Cap construction began on January 3, 2015 and were completed on November 21, 2019.

Materials from the site were transported to offsite landfills. Approximately 4558 cubic yards of ACM abatement waste was transported to the Republic Services Roxana Landfill, Roxana, Illinois, and various containers of special, universal, and RCRA hazardous waste were also removed from the Site and sent to the US Ecology Wayne Disposal Site #2 in Belleville, Michigan and the Veolia ES facility in Port Arthur, Texas. A total of 58,396 tons of PCB impacted waste was sent to the Clean Harbors Environmental Services Lone Mountain facility in Waynoka, Oklahoma.

The Removal Action was in the former TCE AST Area began in October 2017 and was completed when the Performance Standard (PS) to the levels set forth in the EAM was reached in the TCE AST area on January 10, 2019. The former structures, associated debris, contaminants, and impacted soils have been removed from the Site and/or utilized as beneficial Site reuse. Surface and subsurface soils were sampled in accordance with USEPA approved plans, and sample analytical results indicated concentrations less than the established PS. Final restoration of the Site has not been completed, as future Site restoration plans have not been finalized. The Final USEPA Walkthrough was performed on January 10, 2019. Based on the successful Final Inspection, no additional work for this Site is required by the USEPA, with the exception of filing

the necessary land use restrictions as required by the Institutional Control Plan, pending approval of the Removal Action Final Report by the USEPA.

## **2.0 SITE BACKGROUND**

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### **2.1.1 Administrative Order on Consent (ASA AOC 07-2013-008)**

ACF Industries, LLC (ACF) and the United States Environmental Protection Agency (USEPA) entered into an Administrative Settlement Agreement and Order on Consent for Removal Actions (Order) at the Former Carter Carburetor Site, CERCLA ASA AOC 07-2013-008 (Site). The Order requires ACF to meet the Performance Standards established in the Engineering Evaluation and Cost Analysis (EE/CA) developed for the Site and as prescribed in the Enforcement Action Memorandum (EAM), March 30, 2011; and to implement the response actions as specified in Section IX of the Order and the Statement of Work (Attachment II of the Order, Removal Actions), see Appendix P, USEPA CERCLA 07-2013-008 Administrative Settlement Agreement and Order on Consent for Removal Action.

The Site is located at 2800-2840 North Spring Street in the north-central portion of the City of St. Louis, a mixed residential and commercial neighborhood (Figure 1, Site Location Map). The Site is located on the west side of North Grand Boulevard and is bound by St. Louis Avenue to the south, Dodier Street to the north, and North Spring Avenue to the west. Surrounding property use includes residential and commercial properties on the east side of Grand Boulevard, commercial and vacant properties south of St. Louis Avenue, vacant property on the west side of Spring Avenue, and the Herbert Hoover Boys and Girls Club (HHBGC) on the north side of Dodier Street. Sidewalks border the Site on all four (4) sides. The western half of the site was occupied by the former Carter Carburetor building, a ~480,000 ft<sup>2</sup> four story building, with a two-story addition, the ~52,000 ft<sup>2</sup> WILLCO Plastics Building located at the southeast corner of the former Carter Carburetor building (aka the CBI Building). The east half of the Site is partially paved, with concrete floor remaining in place after the demolition of the former warehouse and Die Cast Buildings in 1996.<sup>1</sup> The Site also includes property located to the west of North Spring Avenue, with a street address of 2827 N. Spring Avenue. This property is the former location of an aboveground storage tank (AST) which held TCE. This portion of the Site (TCE AST area) is vacant, with some ground-level concrete structures in place. See Figure 2, Site Plan for the plan view of the Carter Carburetor Superfund Site.

ACF owned the property from approximately 1956 until April 26, 1985, when it deeded the Site to the Land Reutilization Authority of the City of St. Louis (LRA). From 1985 until 2013, portions of the property containing the buildings and vacant land changed ownership several times due to sales or non-payment of taxes.

ACF and its predecessors manufactured carburetors and other equipment for gasoline and diesel-powered equipment at the Site as early as the 1920s up until 1984, when ACF ceased production, dismantled the manufacturing lines, and either sold the equipment or shipped the equipment to other locations. Prior to 1978, ACF used PCB containing hydraulic fluid, Pydraul®, in the manufacturing process.

The results of the sampling conducted during the Site evaluation that Respondent performed from 2005 thru 2008 under the Settlement Agreement indicate that PCBs at concentrations exceeding

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<sup>1</sup> In July 1996, USEPA issued a time critical removal action required by the Unilateral Administrative Order for Removal Response Activities (UAO), Docket Number VII-96-F-0026.

the remedial action goals (RAGs) approved by the USEPA in the Streamlined Risk Evaluation (SRE) are present in surface and subsurface soil surrounding portions of the building and throughout the floors, wall, and support columns of the building. In addition to PCBs, chlorinated solvents were detected at the Site. Primarily, TCE and its associated breakdown products dichloroethylene (DCE) and vinyl chloride (VC) are present. The results of the sampling conducted during the Site evaluation that the Respondent performed from 2005 through 2008 under the Settlement Order indicates that TCE, DCE and VC at concentrations exceeding the RAGs are present in surface and subsurface soil surrounding portions of the building. The Removal Action Goals for the Site, per the Engineering Evaluation and Cost Analysis (EE/CA) was to "to make the Site safe for any reasonable reuse scenario as described in the EE/CA"; and "halt the further migration of contaminants from the Site." Detailed results of the analytical sampling can be found in the *"Engineering Evaluation and Cost Analysis for Former Carter Carburetor Site, 2840 N. Spring Avenue, St. Louis, Missouri"* (see Appendix G for the EE/CA).

### 2.1.2 USEPA Remedy Selection

The Removal Action(s) for the Carter Carburetor Site were selected by USEPA after public notice and comment, issuance of the Enforcement Action Memorandum (EAM) (USEPA, March 30, 2011) and negotiations with the USEPA. As EPA has acknowledged, the WILLCO Building, which was located within the Carter Carburetor Site, and the ground immediately surrounding it, is not included within the Order nor is it the legal responsibility of ACF. The WILLCO Building was separately addressed in an administrative settlement agreement signed among EPA and Carter Building, Inc. (no relation to ACF or Carter Carburetor). Carter Building, Inc. defaulted on the agreement, so ACF demolished the WILLCO Building, which was work required by the Carter Building, Inc. agreement. All Removal Action(s) undertaken at the WILLCO Building were performed for the benefit of the USEPA and community. The Removal Actions completed at the Site were as follows:

- The former TCE Aboveground Storage Tank Area (AST)
  - In-Situ Thermal Desorption and Soil Vapor Extraction (ISTD/SVE) by Electrical Resistance Heating (ERH)
- The Carter Building, Inc., Area (CBI Area)
  - Demolition and off-site disposal with beneficial on-site reuse in the former Die Cast Area
- The WILLCO Plastics Building Area (WILLCO Building)
  - Demolition and off-site disposal with beneficial on-site reuse in the former Die Cast Area
- The former Die Cast Area (Die Cast Area)
  - Excavation with off-site disposal and installation of a TSCA CAP; beneficial reuse of PCB impacted building material within excavated area

It is important to note that the final Removal Action(s)/remedies implemented were different than the remedies initially selected by USEPA due to a number of factors, including costs, which were identified during negotiations with USEPA, after the issuance of the EAM. The final estimated costs for Removal alternatives were dependent upon a variety of factors, including but not limited to, the amount of material required to be disposed of at an off-site disposal facility, expansion of the TCE

AST treatment area, energy costs, transportation costs, and other associated costs. All of the selected remedies are protective of public health and the environment. The Removal Actions will support the redevelopment of the Site for industrial, commercial, and/or recreational uses with limited restrictions as defined in the Institutional Control Plan (ICP), see Appendix K, and Post Removal Site Control Plan (PRSCP) see Appendix L for the PRSCP.

After the selection of the remedies, the following general activities occurred to complete the Removal Action process under the Order: negotiations and execution of the Order; preparation and approval of Removal Action Work Plans; negotiation of access agreements/cost sharing arrangements; solicitation of bids, bid review and award; approval of contractor; coordination of Removal Action schedule; mobilization and completion of Site Removal Action; and preparation and approval of the Closure Report.

### **2.1.2.1 The former TCE Aboveground Storage Tank Area**

The proposed and approved Removal Action for this area was In-Situ Thermal Desorption with Soil Vapor Extraction (ISTD/SVE) by Electrical Resistance Heating (ERH). ISTD/SVE ERH is a process whereby soils and groundwater are heated by creating a voltage gradient to induce current flow through the subsurface volume to be remediated. Electrical energy was introduced to the subsurface through electrodes spaced at regular intervals throughout the area of contamination, and the resistance of the soil matrix to the flow of electricity between electrodes heated the subsurface and eventually boiled a portion of the soil moisture into steam. This in-situ steam generation occurs in all soil types, regardless of permeability. The heat generated by resistance to the induced electrical current also volatilized the target contaminants. The in-situ steam generated by ERH acted as a carrier gas to sweep VOCs to negative pressure vapor recovery (VR) wells. Provisions for control of vapor releases are designed into the system, including a vapor barrier constructed on the ground surface, allowing for the capture of all vapors generated during the application of heat to the impacted soils.

Once the in-situ production of steam started, it became the driving mechanism for the transport of contaminant vapors in the subsurface. Because steam is produced in-situ and not injected during ERH, the only driving force for steam migration is gravity, producing a buoyancy affect. The effect of buoyancy on steam below the water table is to force it directly upward toward the surface, similar to bubbles rising through a column of water. The buoyancy force is very strong and it will find an upward path to the VR well system either through the soil matrix or through the electrode boreholes.

Steam and soil vapors emerging from the heated soil, once collected in the VR wells, were transported via chlorinated polyvinyl chloride (CPVC) plastic piping headers to the Air Quality Control (AQC) system for treatment. The AQC system consisted of an ERH condenser where the recovered mixture was passed through a vapor/liquid separator and heat exchanger. The condensate generated following the heat exchange was captured and conveyed for subsequent treatment, and the extracted air was treated using a Regenerative Thermal Oxidizer (RTO). The AQC system performance was gauged by a Continuous Emissions Monitoring system, vapor sampling, and testing of the final off-gas. Confirmation sampling of system performance was conducted after the operation was complete in August and September, 2018.



The ISTD/SVE ERH alternative satisfied all applicable or relevant and appropriate requirements (ARARs) for the Site. The ISTD/SVE ERH technology was applied to the former TCE AST Area until the Removal Action Goal of 24 ppm TCE was achieved and confirmed by USEPA.

At the completion and implementation of the ISTD/SVE ERH technology, institutional controls were put into place. The controls included filing a deed restriction/environmental covenant with the property recorder specifying certain property restrictions, and notifying the city of St. Louis' Building Division of restrictions on development/environmental covenants in place at the Site, as provided for in Section 4.0, Institutional Control Plan/Post Removal Site Control Plan.

### **2.1.2.2 The Carter Building, Inc. Area**

The proposed and approved Removal Action for the CBI Building was demolition with off-site disposal and beneficial on-site reuse of certain building and other material in the former Die Cast Area. HRP requested approval for this Site cleanup and disposal of PCB remediation waste under Title 40 CFR Part 761.61(c) of the PCB Regulations (Mega-Rule), which is the Risk-Based disposal approval provision. This regulatory information is governed by Code of Federal Regulation (CFR) Title 40, Protection of Environment; Chapter I, Environmental Protection Agency (EPA); Subchapter R, Toxic Substance Control Act (TSCA); Part 761, Polychlorinated Biphenyl (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions; Subpart D, Storage and Disposal; Section 761.61, PCB Remediation Waste, dated July 1, 2011.

Prior to demolition of the CBI Building, a six foot (6') foot high chain link fence was installed around the entire Site to separate the work area from the public Right of Way (ROW). Fabric screening was installed along the chain link fencing to deter passersby from being distracted by the work operations. The screening also contributed to limiting dust migration. After mobilization of personnel and equipment to the Site, several activities were performed, including the following: universal waste removal and disposal; asbestos containing material (ACM) abatement and disposal; selective lead (Pb) paint removal by dry ice blasting and disposal; utility abandonment; supplemental delineation of PCBs on 3rd Floor and 4th floor of the CBI Building; demarcation of PCB impacted concrete for demolition and non-structural component removal.

As outlined in the *CBI Building Demolition Work Plan for the Carter Carburetor Superfund Site*, August 2014 (see Appendix N, USEPA Approved Work Plans); ACF employed site-specific risk based decisions regarding the PCB contamination. The risk based decisions were based on site-specific data and sampling methods. Those risk based decisions were necessary to facilitate demolition in a manner to protect public health and the surrounding community and on a timely basis and to minimize the numerous project related considerations, which included: fugitive dust generation; worker exposure; management of PCB impacted storm water runoff; generation of PCB decontamination fluids; and management of PCB impacted demolition debris in stockpiles. The site characterization data generated for the Streamlined Risk Assessment (SRE) and EE/CA was combined with supplemental pre-demolition sampling results to delineate the extents where specific ranges of PCB concentrations occurred. The four (4) specific PCB concentration intervals that were used were as follows: a) Greater than or equal to 100 ppm PCB ( $\geq 100$  mg/kg) - disposal off-site; b) Greater than or equal to 25 ppm PCB and less than 100 ppm PCB ( $\geq 25$  mg/kg,  $< 100$  mg/kg) - reuse as backfill in the Die Cast Area, ten feet (10') below final grade ; c) Greater than or equal to 1 ppm PCB and less than 25 ppm PCB ( $\geq 1$  mg/kg,  $< 25$  mg/kg) - reuse as backfill below 3 feet below final grade; and d) Less than 1 ppm PCB ( $< 1$  mg/kg) - reuse as backfill, unrestricted.



The three (3) types of remediation waste containing regulated PCBs concentrations (a, b and c) were separately marked with high visibility paint prior to removal and demolition. The PCB impacted materials identified prior to demolition with greater than 100 ppm PCBs were segregated, demarked and carefully handled during demolition for final waste disposition off-site disposal. The method for management of remaining demolition debris varied depending on the levels of PCB contamination. Demolition debris was placed in stockpiles of less than 75 cubic yards to determine concentrations of PCBs prior to disposal. This conservative approach is protective of human health and the environment.

To minimize or prevent any off-site impacts during demolition, standard dust control and storm water management practices were employed at the Site during the entire demolition process. Dust control included Dust Bosses, misting and real-time weather monitoring, with appropriate testing to ensure fugitive dust emissions were prevented.

Following completion of the CBI Building demolition, subsurface soils beneath the building were tested for chemicals of concern, as defined in Section 3.2 of the "*CBI BUILDING Subslab Delineation Work Plan*, January 2016" (see Appendix N, USEPA Approved Work Plans).

At the completion of the CBI/WILLCO Building demolitions, HRP, with the approval of USEPA, implemented the "*CBI BUILDING Subslab Delineation Work Plan*, January 2016". The "*CBI BUILDING Subslab Delineation Work Plan*, January 2016" allowed for additional horizontal and vertical delineation of the soils beneath the CBI Building sub-slab to determine the need for additional Removal Actions. The scope of the "*Removal Action Work Plan*, November 2013" (see Appendix N, USEPA Approved Work Plans) was developed to evaluate the presence/extent of soil contamination due to PCB impacts, the use of TCE as a degreaser within the CBI Building (and historical releases from the TCE AST Area), and the nineteen (19) underground storage tanks (USTs) which had been previously closed with MDNR approval, identified throughout the Site. The analytical results indicated that the PCBs and TCE impacts at the Site were at concentrations less than and greater than the Performance Standard (PS). The PCB impacted materials were removed and disposed of in accordance with the CBI Building Demolition Work Plan (see above). TCE impacted soils were remediated as part of with the ISTD/SVE ERH Removal Action.

At the completion of the CBI Building demolition and subslab removal, institutional controls to be put in place include changing the zoning of the Site to prevent future use of the Site for residential or child day care/school purposes, filing of a deed restriction in the form of an environmental covenant with the property recorder specifying certain property restrictions, and notifying the City of St. Louis' Building Division of restrictions on development/environmental covenants in place at the Site.

### **2.1.2.3 The WILLCO Plastics Building Area**

The proposed and approved Removal Action for the WILLCO Building was demolition with off-site disposal and beneficial on-site reuse in the former Die Cast Area. HRP requested approval for this Site cleanup and disposal of PCB remediation waste under Title 40 CFR Part 761.61(c) of the PCB Regulations (Mega-Rule), which is the Risk-Based disposal approval provision. This regulatory information is governed by Code of Federal Regulation (CFR) Title 40, Protection of Environment; Chapter I, Environmental Protection Agency (EPA); Subchapter R, Toxic Substance Control Act (TSCA); Part 761, Polychlorinated Biphenyl (PCBs) Manufacturing, Processing, Distribution in

Commerce, and Use Prohibitions; Subpart D, Storage and Disposal; Section 761.61, PCB Remediation Waste, dated July 1, 2011.

After public comment period, review by the Respondent and negotiations with USEPA, an alternative Removal Action, demolition of the WILLCO Building, was selected for implementation due to cost effectiveness. The WILLCO Building was slated for Removal Action first to 1) make space for the truck wash station, 2) truck scale and 3) access for equipment to perform demolition of CBI Building.

Prior to demolition of the WILLCO Building, several activities were required to be performed, which included, but were not limited to the following: mobilization of personnel and equipment; universal waste removal and disposal; asbestos containing material (ACM) abatement and disposal; selective lead (Pb) paint removal by dry ice blasting and disposal; utility abandonment; and non-structural component removal.

Based on sampling, PCB impacts in the WILLCO Building were less than 10 ppm throughout the entire building and slab. Consequently, after demolition and resizing of debris, grab samples of the debris pile were collected and analyzed to confirm that the PCB concentrations were less than 10 ppm. Based on the analytical results which are summarized in Tables 27 and 28, the WILLCO Building debris was placed as beneficial reuse in the former Die Cast Area excavation, at depths greater than three feet (3') below final grade.

#### **2.1.2.4 The Former Die Cast Area**

The Removal Action proposed by the EAM for the former Die Cast Area was In-Situ Thermal Desorption with Soil Vapor Extraction (ISTD/SVE) by Electrical Resistance Heating (ERH) to achieve a Removal Action Goal of 1 ppm. After a financial review of the proposed ISTD/SVE ERH Removal Action, the alternative excavation and off-site disposal (as described in the EE/CA) with a Removal Action Goal (RAG) of 1 ppm was selected for implementation. The excavation provided the area with a beneficial reuse repository/area for on-site PCB impacted demolition debris and material with concentrations less than 100 ppm. The remedy for the former Die Cast Area involved the physical removal of PCB impacted materials (primarily soils and concrete) by excavation. Those materials were loaded via tractor trailer for disposition off-site at an USEPA approved landfill, Clean Harbors Lone Mountain, LLC, operated by Clean Harbors Environmental Services (CHES). This conservative approach is protective of human health and the environment.

The Die Cast Area TSCA CAP was designed and constructed to limit infiltration and prevent human exposure to impacted demolition debris and residual impacted PCB site material placed in the Die Cast Area excavation. The TSCA CAP was constructed over the excavation limits of the Die Cast Area where soil was removed to meet the site-specific Removal Action Goals (<1 ppm). At the time of the Final Report, the TSCA CAP's finished surface consists of a Gravel Cover. PCB impacted material from the Site was placed within the Die Cast Area excavation in three (3) distinct layers to form the Die Cast Area Engineered TSCA CAP, which are as follows:

- 1) Top Layer – The top layer contained unrestricted reuse backfill material within the top three feet (3') with PCB impacted material less than 1 ppm PCB (<1mg/kg) and an Engineering TSCA CAP;

- 2) Middle Layer: The middle layer contained beneficial reused backfill material from three feet below ground surface (3' bgs) to ten feet below ground surface (10' bgs) with PCB impacted material greater than or equal to 1 ppm PCB and less than 25 ppm PCB ( $\geq 1$  mg/kg,  $< 25$  mg/kg); and
- 3) Bottom Layer: The bottom layer contained beneficial reused backfill material from ten feet below ground surface (10' bgs) to bedrock with PCB impacted material greater than or equal to 25 ppm PCB and less than 100 ppm PCB ( $\geq 25$  ppm,  $< 100$  ppm).

This section of the Carter Site is currently zoned industrial, which prevents future use of the Site for residential or child day care/school purposes. A deed restriction/environmental covenant will be filed with the property recorder specifying certain property restrictions namely, that the TSCA CAP cannot be breached in anyway (i.e. the Witness Barrier must not be penetrated) and maintenance on the TSCA CAP must be performed annually to retain its viability and structural integrity. The City of St. Louis' Building Division will also be notified of restrictions on development and environmental covenants in place at the former Die Cast Area Site.

### **2.1.3 Planning and Documentation**

#### **Construction and Dismantlement**

After the demolition of the WILLCO Plastic Building; HRP and their demolition contractor mobilized to the CBI Building. The first demolition activity was complete removal of non-critical structural components greater than 100 ppm of total PCBs. The second demolition activity was the complete, general demolition of the CBI Building from the roof to the first floor slab. The demolition started in the southeast corner of the CBI Building where the former WILLCO Building was attached to the CBI Building. In the immediate area of demolition, the brick fascia was stripped away to expose the building structure, wherever possible. Tracked excavators with concrete processors razed the roof and concrete columns. The second, third and fourth floor slabs, which were cleared of non-critical concrete structural components greater than 100 ppm of total PCBs, demolished the floor slabs into manageable sizes of debris ready for processing with tracked excavators with shear hammers and grapple buckets, all of which was schedule driven. The remaining columns were saw-cut flush with the foundation slab. The processed concrete debris was resized for stockpiling, processed and reused as beneficial onsite backfill material or shipped off-site for disposal. Dust suppression measures were utilized during all sizing and demolition operations to prevent fugitive dust from leaving the Site.

#### **Transportation and Disposal**

The PCB impacted materials generated from either the pre-demolition activities or the structural demolition of the CBI Building/WILLCO Building that exceeded 100 ppm, were loaded in authorized trucks for transport off-site for an ultimate disposal at an appropriately regulated, USEPA approved landfill, Clean Harbors Lone Mountain Landfill Facility located at 40355 South County Road 236 in Waynoka, Oklahoma. The PCB impacted material was loaded in a manner to minimize spillage on the outside of the conveyance and minimize the generation of dust. After the soil was loaded into the transport trucks, the soil was covered and otherwise contained to prevent PCB impacted material from blowing and/or spilling out of the truck during transport to CHES Remote Rail Facility

in East St. Louis, Illinois (see Appendix I, CHES Remote Rail Facility Reports) for final disposition. All vehicles were visually inspected and decontaminated by the field personnel prior to leaving the loadout areas. For track-out prevention and control, all truck exteriors were broom cleaned and power washed by field personnel prior to leaving the loadout areas. Vehicles were directed to the wheel wash for cleaning prior to leaving Site. Trucks loaded with PCB impacted material were weighed before leaving the Carter Site. An on-site scale was utilized to ensure trucks did not exceed 72,000 pounds or the maximum rating for the specific type of truck utilized. Trucks that were overweight were directed back to the material loading area to have excess material removed. The scales were inspected and cleaned as necessary to ensure proper operation. Prior to leaving the Site loadout areas, each truck was inspected by Site personnel to ensure that the payloads were adequately covered, the trucks were cleaned of spilled material, and the shipment was properly manifested or documented. Proper hazardous waste placarding was required for transportation of the PCB impacted material to the CHES Remote Rail Facility. Once the dump-body trailers reached the remote Rail Facility, the dump trailers back-up onto a trailer ramp to dump the PCB impacted material into lined hopper rail cars. The railcars were transported to the CHES Lone Mountain Facility in Waynoka, Oklahoma for final disposition of the PCB impacted debris. The Lone Mountain facility is an USEPA approved RCRA permitted facility that can accept PCB bulk product waste and PCB contaminated soil and debris that meets the definition of PCB Remediation Waste for direct landfill disposal.

### **North Grand Engineered Earth Retention System**

The express purpose of the North Grand Engineered Earth Retention System was to provide support of subsurface soils during the excavation and Removal Action involving PCB impacted soils/materials within the former Die Cast Area of the Carter Carburetor Site. The earth retention system was designed and constructed to support the public ROW and utilities within and along North Grand Boulevard.

The earth retention system extended from the ground surface to the underlying limestone bedrock, which is located at an average depth of approximately twenty-three feet (23') below the existing grade. The earth retention system extended above the existing grade by a minimum of three and one-half (3.5') feet. Precast concrete barriers were installed along and in front of the earth retention system to provide positive protection from potential vehicle impact. In addition, fall protection was installed along the top of the earth retention system which complied with OSHA requirements. Concrete barriers were installed along the road side of the earth retention system to serve as protection to the travelling public from the excavation area. Upon completion of the Die Cast Area excavation and once sufficient backfill had been placed to eliminate the need for shoring, the upper portion of the earth retention system was cut to a minimum of approximately one foot (1') foot below surface grade, and those shoring materials below this level have been abandoned-in-place. At the completion of Remedial Action and prior to demobilization from the Site, the concrete barrier was removed from the Site and the concrete sidewalk reconstructed.

### **Permits and Plans**

Based on review of the CERCLA memorandum, OSWER Directive 9355.7-03, February 19, 1992, "Permits and Permit "Equivalency" Processes for CERCLA On-site Response Actions", USEPA has consistently taken the position that the acquisition of permits is not required for on-site remedial

actions. However, this does not remove the requirement to meet (or waive) the substantive provisions of permitting regulations that are applicable or relevant and appropriate requirements (ARARs). The Site has met all the substantive provisions of permitting regulations that are applicable or relevant and appropriate requirements (ARARs). Four (4) permits were obtained for the Carter Carburetor Site (see Appendix J, State, Metropolitan and Local Permitting) were the 1) City of St. Louis, Department of Streets Permit, 2) Building Permit: City of St. Louis, 3) Draft New Source Temporary Source Permit, 4) MSD Discharge Application and the details are as follows:

- 1) Permit Number 80118: City of St. Louis, Department of Streets Permit, Blocking of North Spring Avenue began on July 13, 2015; (issued 6/29/2015 @ 8:42:51 AM). Temporary Blocking Permit for North Spring Avenue issued by STL City Streets Department, effective July 1, 2015 thru July 31, 2015; updated to Final Permit issued effective July 31, 2015 to December 31, 2017 (#82794); updated to Final Permit issued effective January 1, 2018 to December 31, 2019 (#144512); based on review of the CERCLA memorandum, OSWER Directive 9355.7-03, February 19, 1992.
- 2) Building Permit: City of St. Louis, Department of Public Safety, Division of Building and Inspection; 2810 – 58 North Spring Avenue, Earth Retention System (Permit Fee Paid \$5000), Permit # PB-523389-15, Date Issued 7/30/2015, Expiration Date 1/30/2016.
- 3) Draft New Source Temporary Source Permit: Missouri Department of Natural Resources' Air Pollution Control Program granted HRP's request to conduct this temporary operation at the Site in accordance with Missouri State Rule 10 CSR 10-6.060(3).
- 4) CB 2386 (REMOVAL & DEMO OF BLDG – 2840 N SPRING AVE): The Site met all the substantive provisions of permitting regulations for the Metropolitan Sewer District (MSD) and appropriate requirements (ARARs). The MSD approved the information contained in the MSD Discharge Application, MSD Reference Number: P-0030395-00, Base Map Number: 18E; and issued a "No MSD Permit Required" due to 1) the Site is a Superfund Site; and 2) the Site/Respondent would not be paying the fees associated with the MSD Permit.

#### **2.1.4 Building Site Conditions**

Prior to the Removal Actions at the Site, ASM Engineering Consultants (structural engineer contracted by USEPA START Contractor in April 2013 for a visual structural inspection and evaluation, see Section 2.3.1) was contracted by HRP on November 5, 2014 to visually inspect and evaluate the structural integrity of two existing buildings, referenced as the CBI Building and WILLCO Building. The purpose of the site visit was inspect and assess the structural condition of buildings to allow workers to stockpile and remove debris either by hand, wheelbarrows, or small motorized equipment; identify structural concerns that could become safety concerns in the future; and identify measures that could be taken to prevent or lessen these potential future safety risks.

#### **As-Constructed Conditions**

The CBI Building was a four (4) story building located in the west half of the 2800 block from St. Louis Avenue to the south and Dodier Street to the north fronting North Spring Avenue. The CBI Building was a reinforced concrete (RC) framed structure having approximate overall dimensions of 630 feet by 248 feet, and having a foot print of approximately 156,240 ft<sup>2</sup> per level. The RC



concrete frame had a skip joist system with the beam and column frames spaced at 16 feet and spanning in the east>west direction with the RC beam/column frames spaced at 20 feet. The floor joists span 16 feet and had a depth of 15 inches with a slab thickness of approximately 5 inches, and were spaced at approximately 6.67 feet. The RC beams had a depth of approximately 18 inches by 27 inches.

The WILLCO Building was a two (2) story building located midblock off of St. Louis Avenue and shared a common wall with the CBI Building to the west. The WILLCO Building was a reinforced concrete (RC) framed structure approximately 108.83 feet wide by 185.50 feet long having a foot print of approximately 20,090 ft<sup>2</sup> per level. The RC concrete frame was a flat plate system having typical span of 24.83 feet by 26.5 feet in the east>west and north>south directions, respectively. The flat slab had an approximate thickness of approximately 8 inches and the building RC columns are 21 inches by 21 inches. The exterior walls were considered infill walls consisting of 8>inch concrete masonry block and 4 inch face brick. The first level had windows along three sides of the building. No windows were present on the second level.

## **Observations and Discussions**

### **CBI Building**

The concrete floor joists, beams and columns showed little to no deterioration in the form of calcification, rust stains, or shrinkage cracks. The posted floor live loads throughout ranged from 135 pounds per square foot (psf) to 150 psf. However, the column corbels at building expansion joints had moderate to severe fracture cracks which affected the capacity of the corbel to carry equipment and debris loads. The corbels occurred at building expansion joints. Since the building was an unheated structure, the movement of the building due to thermal expansion and contraction most likely caused the fractures.

Other areas that showed deterioration were the steel framed canopy structures in the courtyard areas. The building roof system had deteriorated and multiple leaks were observed. Also, multiple exterior windows were broken due to thrown rocks. The broken windows exposed the interior to the weather. This exposure to the weather had caused minor deterioration to the RC slab, joists, beams or columns. In some areas the floor concrete overlayment was cracked and delaminated from the structural concrete floor slab.

### **WILLCO Building**

The concrete flat slab and columns showed little to no deterioration in the form of calcification, rust stains, or shrinkage cracks. When openings were cored through the flat slab for piping the bottom of the slab has spalled away from core>hole edges. The roof flat slab showed little to no deterioration. Typically, a vacant building roof system fails and leaks causing freeze thaw damage to the concrete slab. There was some evidence of roof leaks on both levels. The reinforced concrete (RC) flat plate did not show evidence of freeze thaw deterioration. However, the concrete inserts embedded in the underside of the flat slab were corroded and covered with rust.

## **Conclusion**

### **Carter Carburetor Building**

The overall condition of the RC slab, joists, beams and columns allowed workers to stockpile debris prior to removal from the building with the use of wheelbarrows or motorized equipment. Note there were safety concerns with stockpiling debris and operating motorized equipment in those bays which were being supported by fractured column corbels. The vibration and turning movements from motorized equipment had the potential of causing further fracturing and possible loss of support of the adjacent floor joists.

It was recommended to limit the height of debris to five (5) feet, and to limit the weight of the motorized equipment as follows:

Forklift	8,900 lbs., total overall weight, with 1,500 lbs. load
Skid steer	8,900 lbs., total overall weight, with 1,500 lbs. load

It was further recommended that the floor joist be shored and reshored to the ground level. The floor joist shoring was considered to be permanent and was designed to support a floor live load of 150 psf. The shoring design and installation was reviewed and inspected by a licensed professional engineer.

### **WILLCO Building**

The overall condition of the RC flat slab allowed workers to stockpile debris prior to removal from the building with the use of wheelbarrows or motorized equipment. The RC concrete frame and floor slab did not pose any safety concerns to workers.

It was recommended to limit the height of debris to five (5) feet, and to limit the weight of the motorized equipment as follows:

Forklift	8,900 lbs., total overall weight, with 1,500 lbs. load
Skid steer	8,900 lbs., total overall weight, with 1,500 lbs. load

## **2.2 Removal Action Organization**

### **2.2.1 Contractors/Subcontractors**

The Removal Actions consisted of a controlled demolition of the CBI and WILLCO Buildings and other onsite structures, excavation of impacted PCB materials and ISTD/SVE ERH removal of TCE impacted soils. The Removal Actions were overseen by USEPA Region VII and the State of Missouri Department of Natural Resources (MDNR). ACF and their General Contractor (HRP) were responsible for the implementation of the Removal Action and were represented by an ACF Project Coordinator. HRP provided a Site Supervisor, Site Civil Engineer, Site Health and Safety Officer and supporting staff. HRP supported the Carter Carburetor Project by engaging two (2) Contractors, Ahrens Contracting, Inc. for demolition and construction activities associated with the CBI/WILLCO Buildings Removal Action, Die Cast Area Excavation with TSCA CAP and installation of the North Grand Engineered Barrier Wall; and the TRS Group, Inc. for the ISTD/SVE ERH Removal Action. Each Contractor, including HRP, employed subcontractors to assist in completing the Site tasks (see Appendix O for a complete listing of Contractors with associated Subcontractors).

## **2.3 Chronological Narrative of Removal Action**

This narrative is a summary of the Carter Carburetor Superfund Site Removal Action (RA) activities. For a detailed account of activities refer to the Daily Activity Logs, see Appendix A, ACF Carter Carburetor Daily Field Packets. Each Daily Field Packet contained the following information, as applicable to field activities occurring at the Site:

Daily Field Activity Log, HRP Carter Carburetor Equipment Usage, ACF Carter Carburetor Daily Sign In, HRP Daily Tailgate Briefing, HRP Truck Inspection Log, O6 Environmental Daily Tailgate; and O6 Environmental Daily Equipment Inspection. The Carter Carburetor Superfund Site Removal Action started with the commencement of the asbestos abatement and universal waste removal on March 21, 2014 and ended with the decommissioning of the TCE AST ISTD/SVE System on December 21, 2018.

The major components of the Removal Action, with starting dates and end dates, are as follows:

- Asbestos Containing Material (ACM) Abatement: April 21, 2014-September 30, 2016;
- Universal Waste Removal: March 21, 2014-April 26, 2016;
- Dry Ice Blasting and Power Wash: November 5, 2014-April 17, 2015;
- PCB Removal Actions: December 22, 2014-July 28, 2017;
- CBI Building Sub-Slab Investigation and Removal: August 3, 2015-March 1, 2017;
- Die Cast Area Excavation and Engineered Control: January 5, 2015-November 9, 2018; and
- TCE AST ISTD/SVE: October 2017 - December 21, 2018.

### **2.3.1 CBI/WILLCO Buildings**

The conditions of the CBI and WILLCO buildings are documented in the Engineering Evaluation and Cost Analysis (EE/CA) Report issued to USEPA by MACTEC Engineering and Consulting, Inc. on September 22, 2010. An evaluation of the structural integrity of the buildings was documented by



ASM Engineering Consultants in a report issued to TetraTech EM (USEPA START Contractor) on April 3, 2013.

During field activities associated with the preparation of the EE/CA, ACF inspected and cleaned the interior sewer lines of the buildings. The USEPA conducted subslab vapor sampling below the floor slabs of the CBI and WILLCO Buildings, the slab present on the parcel to the west of Spring Ave., below the Boys and Girls Club facility north of Dodier St., and below the slab of Lindell Bank south of St. Louis Avenue.

## **Site Preparation Activities**

### **Site Preparation**

Prior to the start of the Removal Action conducted by ACF, the USEPA utilized their START Contractor to characterize and remove the debris which had accumulated within the buildings during the time ACF had deeded the buildings to the City of St. Louis in 1984 and the start of the Removal Action.

Additional Site preparation activities included the mobilization of trailers, equipment, and personnel; installation of temporary power, perimeter fencing, road closure and detour signs, and security cameras; design and permitting of the wastewater treatment system and installation of surface water containment; removal of flaking lead-based paint; and removal of all active water lines serving the site. The Site layout is depicted on Figure 3.

As part of the site preparation activities, a vacant lot at the northeast corner of N. Grand Blvd. and University St. was covered with gravel and fenced to provide additional parking for the patrons of the Herbert Hoover Boys and Girls Club (HHBGC). After completion of the fencing and placement of the gravel, the lot was turned over to the HHBGC for use.

### **Wastewater Treatment**

A wastewater treatment system, consisting of one (1) 16,000 gallon settling tank four (4) 16,000 gallon holding tanks, two (2) 100 gpm one (1) micron bag filters, an organo-clay/activated carbon vessel, and associated pumps and piping was installed on the Site. The wastewater treatment system received all water from the wheel wash and any areas which required dewatering, either of groundwater or storm water. The water to be treated (storm-, ground-, wheel wash water) was pumped to the settling tank, then from the settling tank through the filters and carbon vessel into the holding tanks. Prior to discharge to a MSD manhole, the treated water was sampled for compliance with MSD Special Discharge Permit SP804 SDOS. The analytical results for the wastewater treatment system samples are summarized in Tables 21 thru 24. All batches of treated water not meeting discharge requirements were retreated and re-sampled prior to discharge. Once compliance was confirmed, the treated water was passed through an electronic flow meter and discharged to MSD manhole 18EI-263C (see Appendix J, State, Municipal and Local Permitting).

## **Wheel Wash Station**

In order to ensure that impacted soil in the treads or on the surface of truck tires was not transported off-site, a surface mounted drive through wheel washing unit, MobyDick ConLine Kit Mobile 400 B/C manufactured by Frutiger, was installed at the Site. The wheel washing unit operated automatically, using optical sensors to initiate a timed wash cycle. Wash water, supplied to the unit from City of St. Louis fire hydrants, was pumped to the wastewater treatment system for treatment and discharge.

## **Weigh Station**

After successfully passing through the wheel wash station, the trucks pulled forward onto the calibrated truck scales. On-site scales were utilized to ensure trucks did not exceed the maximum allowable rate for the specific type of truck. To ensure compliance with local, state and federal weight regulations, trucks loaded with demolition debris and impacted material were weighed, compared to tare weight, and issued a printed scale ticket to accompany the waste manifest. While the truck was being weighed, the truck was visually inspected to insure that no impacted material remained on the wheels, steps, sideboards, or tailgate.

After initial setup, the truck scales were calibrated by Ahrens according to the manufacturer's recommendations. The scales were inspected and cleaned at least once daily (and otherwise as necessary) to ensure proper operation. After completion of the weighing and inspection process, certified flaggers helped the trucks gain access to public roads.

## **Abatement and Decontamination Activities**

### **ACM Abatement**

#### **Carter Carburetor**

The asbestos abatement began on April 21, 2014 and was completed on September 30, 2016 by Midwest Service Group (MSG). MSG is a certified licensed asbestos abatement contractor in the state of Missouri. Please refer to Appendix C.1 ACM Abatement Documentation for copies of the company and workers licenses.

MSG performed asbestos abatement activities in compliance with all applicable Federal, State and local asbestos abatement regulations pertaining to work practices, hauling, disposal and protection of workers, visitors to the site and persons occupying areas adjacent to the site as currently amended at the time of actual performance of the work.

City Design Group, a 100% minority-owned City of St. Louis contractor, was retained to provide oversight and air monitoring for the asbestos abatement work at the Site. City Design Group was on-site throughout the asbestos abatement project to document work practices, to conduct visual inspections, and to collect and analyze air samples. Negative pressure enclosures were established in accordance with procedures detailed in the project design, and included erection of protective barriers to isolate the work areas from the rest of the building. Negative pressure was established inside the work areas relative to the outside spaces. Upon commencement of asbestos abatement

activities, area air samples were collected and analyzed utilizing Phase Contract Microscopy (PCM) and National Institute of Occupational Safety and Health Method 7400. Air samples were collected at various locations, such as the entrance to worker decontamination facilities, outside work area enclosures, and at the negative air pressure filtration unit exhaust, to monitor the air quality at the site during the abatement project. Please refer to Appendix C.3, ACM PCM Area Air Monitoring Data for copies of the PCM Area Air monitoring worksheets.

The friable and non-friable ACM and associated contaminated debris was disposed at an EPA asbestos-approved sanitary landfill. All Manifest are located in Appendix C.5, ACM Waste Manifests.

During removal activities, progress inspections were conducted inside the work areas to assess work progress and work practices and procedures utilized by MSG. Please refer to Appendix C.2, ACM Daily Logs for copies of the daily logs.

Following the completion of abatement, City Design Group performed a final visual inspection in each work area to ensure compliance with federal and state asbestos regulations. Final visual inspections were conducted to verify that the work areas met the "no visible suspect debris" criteria prior to conducting the final clearance air sampling. Please refer to Appendix C.4, ACM Final Visual Inspection Forms for copies of the Final Visual Inspection Forms.

Below were the locations of the known ACM within the CBI Building:

- Roof – Flashing, roof cements, transite, thermal system insulation (TSI), transite and mastic;
- Fourth Floor – Floor tile and mastic, TSI, plaster, ceiling tiles, fire doors, window caulk and miscellaneous debris;
- Third Floor – Floor tile and mastic, TSI, shingles, ceiling tiles, fire doors, window caulk and miscellaneous debris;
- Second Floor – Floor tile and mastic, TSI, transite, fire doors, window caulk and miscellaneous debris;
- First Floor – Floor tile and mastic, TSI, transite, ceiling tiles, fire doors, window caulk, and miscellaneous debris;
- Boiler Rooms – The North and South boiler rooms each contained 2 boilers with ACM containing materials;
- Pump Room – During pre-demolition activities, gaskets within the compressors and pipe wrap in a pump room pipe chase were found to contain ACM;
- Exterior – ACM containing debris was found to be present in a depressed walkway and the adjoining ground surface near the east face of the CBI Building; and
- Sub-slab – During building demolition, transite was discovered beneath the building slab in an area immediately south of the pump room.

### **Roof Abatement**

Abatement on the roof included approximately 130 linear feet of TSI and 130,000 square feet of roofing material.

## **Cooling Towers**

Abatement of CBI Building cooling towers included two cooling towers encased with transite louvers and panels which included piping covered with TSI and four mechanical houses that contained both TSI and piping and transite panels. The two cooling towers on the roof of the CBI Building were abated as Category 2 materials and disposed at an EPA approved landfill. Cooling tower 1 was located on the north half of the CBI Building roof and cooling tower 2 was located on the south half of the CBI Building roof.

## **Fourth Floor Abatement**

Abatement on the fourth floor included approximately 660 linear feet of TSI, 5,475 square feet of drywall, joint compound and transite panels, 8,040 square feet of floor tile and associated mastic, 2,000 square feet of ceiling tile with asbestos containing glue pucks, 26,100 square feet of plaster and debris, seven fire doors, and window caulk and glazing.

## **Third Floor Abatement**

Abatement on the third floor included approximately 370 linear feet of TSI, 1,000 square feet of floor tile and associated mastic, 1,000 square feet of ceiling tile with asbestos containing glue pucks, 2,000 square feet of shingles, seven fire doors, and window caulk and glazing.

## **Second Floor Abatement**

Abatement to the second floor included approximately 850 linear feet of TSI, 54,500 square feet of floor tile and associated mastic, 28,000 square feet of ceiling tile with asbestos containing glue pucks, 3,600 square feet of transite panels, nine fire doors, and window caulk and glazing.

## **First Floor Abatement**

Abatement to the first floor included approximately 1,700 linear feet of TSI, 1,200 square feet of drywall and joint compound, 7,100 square feet of floor tile and associated mastic, 6,900 square feet of ceiling tile with asbestos glue pucks, 30,000 square feet of asbestos debris, fifteen (15) fire doors, and window caulk and glazing.

## **Boiler Room and Pump Room Abatement**

Each boiler within the North and South boiler rooms were removed in one piece, double wrapped, and transported to an EPA asbestos-approved sanitary landfill.

The compressors were disassembled and all ACM was abated. The Pump Room pipe chase was opened by removing the concrete covering it and then all material within the pipe chase was removed and disposed as ACM material.

### **Exterior Abatement**

All debris within the depressed walkway was removed and disposed as ACM containing material. The ground surface was excavated to an approximate depth of three inches, with the excavated material disposed as ACM containing material.

### **Sub-Slab Abatement**

After uncovering the transite fill material below the slab, the transite was abated and disposed as ACM material.

### **WILLCO Building**

Below were the locations of the known ACM within WILLCO Building:

- Roof – Flashing tar associated with skylights;
- Second Floor – Floor tile and mastic and TSI pipe joiner remnants with spilled TSI debris; and
- Exterior – TSI, transite, door caulk, window caulk, and brick joint caulk.

### **Roof Abatement**

Abatement on the roof of the WILLCO Building included approximately 25,000 square feet of roofing material.

### **Second Floor Abatement**

Abatement on the second floor included approximately 1,030 square feet of floor tile and associated mastic and TSI pipe joint remnants.

### **Exterior Abatement**

Exterior abatement included approximately 30 square feet of transite, 80 linear feet of door caulk, 1,000 linear feet of window caulk, 2,000 linear feet of brick joint caulk, and TSI remnants.

## ACA Abatement Summary

Final quantities are as follows:

Description	Quantity	Floor
Floor Tile and Mastic	1,100 ft <sup>2</sup>	2
Transite Panels	160 ft <sup>2</sup>	2
Ceiling Tile with Glue Pucks	260 ft <sup>2</sup>	2
Duct Wrap Insulation	3,100 ft <sup>2</sup>	2
TSI & Joint Compound	621 ft <sup>2</sup>	2
2nd Floor Green Room	7,500 ft <sup>3</sup>	2
Transite Panels	160 ft <sup>2</sup>	3
Duct Wrap Insulation	1,030 ft <sup>2</sup>	4
TSI & Joint Compound	400 lf	4
Transite Panels	1092 ft <sup>2</sup>	1
TSI Pipe Insulation	294 lf	1
Ceiling Tile with Glue Pucks	1,202 ft <sup>2</sup>	1
Boilers	4 (each)	1

**Note:**

There were over seventy (70) fire doors throughout the CBI and WILLCO Plastic Buildings. Based on the age of the structure(s) and the identification characterization of the doors as "Fire Doors"; all doors were disposed of as ACM building material due to the presumed presence of asbestos.

## Selective Lead Paint Removal and Pre-Demolition Cleaning

After completion of the ACM abatement, the CBI and WILLCO Buildings were prepared for demolition by the removal of all loose debris, the selective removal of loose and flaking lead-based paint by dry ice blasting and disposal, and power washing the floors. The loose debris was sampled to determine the waste classification prior to disposal.

After waste characterization, the loose debris was collected and placed into roll-off containers for disposal. The loose/flaking lead-based paint was removed from the walls using a dry-ice blasting process, which minimized the amount of additional waste generated. The material generated during the dry-ice blasting process was then swept up and placed into lined cubic yard boxes for characterization and disposal. The analytical results for this lead-based paint waste indicated that the lead paint waste was a TCLP waste and required disposal as a RCRA hazardous waste. Analytical results are summarized in Tables 1 thru 3

After all loose debris and dry-ice blasting debris had been removed from the interior of the CBI and WILLCO buildings, the floors of the buildings were power washed to reduce the amount of residual dust possibly impacted by Site contaminants and prepared the buildings for demolition.

During the process, several oil/oily water containing structures were identified in the CBI Building. These metal containers were pumped out and cleaned in accordance with TSCA cleaning regulations. After cleaning, the metal containers were wipe sampled to determine the residual PCB impacts in the containers. Since PCBs were detected, the containers were rendered unusable, segregated, and transported off-site for disposal as PCB waste at a USEPA approved landfill.

## OSHA 29CFR1910

### Personnel

In order to ensure the safety of the on-site workers and the surrounding community during the Removal Action at the Site, all personnel performing work at the Site were required to have current Hazardous Waste Operations (HAZWOPER) training in accordance with 29 CFR Part 1910. The elements of the required training included, but are not limited to the following: safe work practices to minimize risk from on-site hazards, proper selection and use of personal protective equipment, use of engineering controls, participation in a medical surveillance program, the elements of the site specific health and safety plan, hazards specific to the site, site evacuation plan, and the site specific safety rules.

The first day of Site work, all personnel received Site specific training which included, but was not limited to the Site-specific work rules and prohibitions, the location and route to the nearest emergency facility, emergency site evacuation procedures, site specific hazards, and information on active work areas. Daily, prior to the start of work, a Site wide safety briefing (Tailgate Safety Meeting) was conducted to identify possible hazards. It is important to note that everyone at the Site, at all times, had "**STOP WORK AUTHORITY**" if he or she observed unsafe working conditions, unsafe equipment, work hazard(s), etc. ACF's commitment to safety resulted in over 600,000 hours worked at the Site without a single reportable incident or lost time accident through the entire course of the Project.

### Equipment

The buildings and areas of the Site where supporting demolition activities (i.e. staging areas, stockpiles, material processing, etc.) was performed was considered part of the exclusion zone (the area where contamination does or could occur). A contaminant reduction zone was setup to support demolition and excavation activities prior to entering the area located near the north entrance to the Administrative Area (area of the site that is free from contamination and that may be safely used as a planning and staging area). In the contaminant reduction zone, decontamination and personal protective equipment (PPE) protocols were implemented. The contaminant reduction zone had a decontamination strategy that utilized procedures to prevent contamination of the clean areas, methods and procedures to minimize worker contact with contaminants during removal of personal protective clothing and PPE, and methods for disposing of clothing and equipment that were not completely decontaminated at the end of a work shift.

All Site workers were supplied with PPE suitable for entering the exclusion zone to perform the job they were tasked, which in most cases was modified HAZWOPER Level D PPE. The exception in most cases was ACM abatement, selective lead removal and some pre-demolition activities in the CBI Building which required HAZWOPER Level C PPE.



All personnel entering the exclusion zone were required to wear PPE prior to entry and continuously while in the exclusion zone. The required PPE during all phases of work included:

- High visibility shirts, vests, or similar garment(s);
- Hard hat;
- Eye protection;
- Hearing protection; and
- Steel-toed shoes or boots.

When PCBs were present in the building or in stockpile areas at levels greater than 25 ppm, the following additional PPE were required within the exclusion zone:

- Boot covers;
- Tyvek chemical resistant suits; and
- Chemical resistant gloves.

When applicable, single use disposable PPE was used to the maximum extent possible. Used PPE was containerized and transported off-site for disposal as TSCA regulated waste (greater than 50 ppm). Durable PPE and all other durable equipment that was potentially been in contact with PCB impacted materials was decontaminated and cleaned using the double wash and double rinse method consistent with Subpart S of the PCB Regulations (Mega Rule) prior to exiting the exclusion zone. Decontamination of personnel and equipment was performed on decontamination pad located within the contaminant reduction zone located near the north entrance to the Administrative Area. The decontamination pad was configured such that all wash-waters were contained and easily collected. The used wash-waters were transferred to the process wastewater treatment system for management and discharged to MSD.

Equipment utilized on-site to ensure safe working conditions included, but was not limited to: photoionization devices (PID detectors) to monitor for the presence of volatile organic vapors, oxygen meters, explosive meters, carbon monoxide meters, hydrogen sulfide meters and airborne particulate meters.

The heavy construction equipment was inspected prior to being brought to the Site, on a daily basis and prior to the start of work, to ensure that the equipment was in proper working condition. The inspection also included verification that backup alarms were operational.

### **2.3.1.1 Construction and Dismantlement**

#### **Cooling Tower(s)**

During disposal characterization sampling of Cooling Tower #1 (CT1) at the Site, wood components of CT1 were found to be hazardous due to the presence of Chromium by the TCLP analysis at 7 mg/L (ppm), which is above the characteristic hazardous level of 5 mg/L (see Table 4). HRP determined that the chromium was present due to the historical use of de-scaling chemicals in the Cooling Tower water during the time the Carter Carburetor plant was in operation.



In order to safely demolish CT1 safely and to prevent the contamination of other materials by Chromium during the demolition and removal of CT1; an exclusion zone was setup around CT1 and around the portion of the CBI Building where CT1 was located. The wood components of CT1 were kept wet during demolition with a water-mister and demolished in place. The resulting wood debris was then re-sized for placement into a chute and dropped into lined roll-off boxes for transport off-site for disposal as a RCRA hazardous waste. All metal and other components from CT1 were removed, down to the steel pan located at the base of the structure. The metal components of CT1 were stockpiled and sampled consistent with the other scrap metal on-site. Upon completion, the roof deck was decontaminated by removing all visible signs of wood and wood debris.

### **CBI Sub-Slab**

After completion of the demolition of the CBI Building and the removal of the slab, HRP received USEPA approval for a comprehensive investigation of the subslab soils beneath the CBI Building slab to determine the need for additional Removal Actions. The investigation identified twelve (12) bays where soils with PCB impacts greater than the Performance Standard (PS), 25 ppm, were present (see Figure 5).

PCB impacted soils were excavated from the twelve (12) bays where the PCB concentrations exceeded the PS and were transported off-site for disposal at a USEPA approved facility. During the CBI Subslab soils removal, three (3) underground storage tanks (USTs) were discovered. The UST contents were characterized and disposed, and the USTs were removed from the ground, destroyed and shipped off-site to CHES Lone Mountain. Soil samples were collected from the UST tank pit and analyzed in accordance with Missouri Department of Natural Resources (MDNR) UST closure standards. The analytical results for samples collected in response to USTs are presented in Tables 5 to 8.

The detailed findings of the comprehensive investigation can be found in Appendix D, Carter Carburetor Superfund Site, Investigation Report(s) in the *Interim Site Investigation Report – CBI Building Subslab Delineation, Former Carter Carburetor Site*, St. Louis, Missouri; HRP Associates, Inc.; February 7, 2017.

### **2.3.1.2 Demolition Debris and Waste Management**

#### **ACM Disposition**

The friable and non-friable ACM and associated ACM contaminated debris was disposed at an USEPA asbestos-approved sanitary landfill. The detailed findings of the comprehensive ACM investigation can be found in the EE/CA, dated September 22, 2010 on the USEPA archive at the USEPA webpage at [https://archive.epa.gov/region07/cleanup/carter\\_carburetor/web/html/](https://archive.epa.gov/region07/cleanup/carter_carburetor/web/html/). All ACM manifests from the ACM abatement activities, which occurred from 2014 – 2016, can be found in in Appendix C ACM Abatement Documentation; C.5 ACM Waste Manifests.

#### **Lead Paint Disposition**

The paint debris generated during the dry ice blasting was swept up and placed into lined cubic yard boxes for off-site disposal. Twelve (12) cubic yards (yd<sup>3</sup>) of debris was characterized and

transported to US Ecology Wayne Disposal Site #2 in Belleville, Michigan for disposal. During the dry ice blasting and paint chip clean-up, additional waste materials, including PCB impacted oil, PCB impacted tires, and spent PCB cleaning solvent (kerosene) were also characterized, manifested, and the solids were transported to the US Ecology Wayne Disposal Site #2 and the liquid component was transported to the Veolia ES facility in Port Arthur, Texas for treatment and disposal.

## Demolition Debris Management

The demolition debris generated from the demolition of the CBI Building was re-sized and placed into stockpiles on the existing CBI Building slab for characterization and determination of final disposition. After stockpiles were created and formed, each stockpile was measured to determine an approximate volume, with a target maximum of 75 cubic yards (cy). A composite sample was collected from each stockpile, with one aliquot per 15 cy. The analytical result was multiplied by the number of aliquots to determine the maximum concentration of PCBs within the stockpile. Elevated lead and chromium levels were detected during characterization of various building components. Consequently, TCLP lead and TCLP chromium analyses were added to the analytical list. After analyzing one hundred (104) debris piles for TCLP lead and TCLP chromium, there were no (0) TCLP lead results above the reporting limit (0.50 mg/L), and fifty-six (56) TCLP chromium results above the reporting limit (0.10 mg/L). The maximum TCLP chromium detection was 0.178 mg/L. After consultation with the USEPA OSC, the TCLP lead and TCLP chromium sampling frequency was reduced from 100% to 5% sampling frequency for the remaining debris piles. The analytical results for the demolition debris pile samples are presented in Tables 9 and 10.

The four specific PCB concentration intervals that defined remediation waste profiles and the respective disposition are as follows:

- a) Greater than or equal to 100 ppm PCB ( $\geq 100$  mg/kg);
  - Disposal off-site
- b) Greater than or equal to 25 ppm PCB and less than 100 ppm PCB ( $\geq 25$  mg/kg,  $< 100$  mg/kg);
  - Reuse as backfill below ten feet from ground level and engineered control cap
- c) Greater than or equal to 1 ppm PCB and less than 25 ppm PCB ( $\geq 1$  mg/kg,  $< 25$  mg/kg); and
  - Reuse as backfill below 3 feet from ground level and engineered control cap, and
- d) Less than 1 ppm PCB ( $< 1$  mg/kg).
  - Reuse as backfill, unrestricted

A total of four hundred thirty-one (431) stockpiles were generated from the demolition of the CBI Building. As noted in the "*CBI Building Demolition Work Plan for the Carter Carburetor Superfund Site*", (see Appendix N, USEPA Approved Work Plans) several bays on the first, third, and fourth floors had previously been identified as containing  $> 100$  ppm PCBs (see Table 11 for the analytical results of the pre-demolition floor slab characterization sampling). Those bays on the third and

fourth floor, with PCBs greater than 100 ppm, were selectively demolished prior to demolition of the remaining CBI Building. The bays >100 ppm PCBs on the first floor were maintained in place until the entire CBI Building had been demolished in order to aid in the removal of the slab concrete. All concrete floor bays impacted with PCBs greater than 100 ppm was selectively demolished and transported off-site for disposal as a RCRA waste.

## **Scrap Metals**

During the course of the demolition of the structures on-Site, scrap metal was separated from the concrete and brick demolition debris and segregated into piles based on use and location. The bulk of the scrap metal was structural steel, rebar, or piping. A wipe sample was collected from a representative item from each pile and analyzed for PCB content, with the analytical results presented in Table 12. If the PCB content of the wipe sample was  $>10 \mu\text{g}/100 \text{ cm}^3$ , the scrap metal was incorporated into the building debris and transported off-site for disposal at the CHES Lone Mountain facility. The remaining scrap metal, with a PCB content  $<10 \mu\text{g}/100 \text{ cm}^3$ , was transported off-site to a metal recycling facility to be melted and recycled.

## **Fill Placement**

After removal of all floor slabs and verification that all column bases were removed and cut off to at least two (2) feet below grade, crushed rock was imported as fill material. The rock obtained from Bussen Quarry and was verified as virgin aggregate; analytical results for additional fill material are presented in Tables 13 and 14. Large aggregate, up to six (6) inch, was utilized to provide a stable base in the North Boiler Room, the South Boiler Room, the Pump Room, and those portions of the CBI Building where removal of structures had caused localized low points in the CBI Building footprint. After soil removal was complete, and the deeper portions of the Site had been leveled with large aggregate, a four inch (4") layer of two inch (2") aggregate was placed on the entire CBI Building footprint and compacted using a motorized vibratory roller.

### **2.3.2 Former Die Cast Area**

#### **2.3.2.1 Site Preparations Activities**

Prior to the start of the Removal Action, the former Die Cast Area had been characterized in connection with the EE/CA investigation process. The fencing, security system, and administrative area that were installed for the CBI/WILLCO Building abatement and demolition included the Die Cast Area Removal Action field activities.

#### **2.3.2.2 Construction/Dismantlement**

### **Earth Retention System Installation**

The express purpose of the North Grand Earth Retention System was to provide support of subsurface soils during the excavation and Removal Action involving PCB impacted soils/materials within the former Die Cast Area of the Carter Carburetor Site. The earth retention system was designed and constructed to support the public ROW and utilities within and along North Grand Boulevard. Prior to the start of the installation of the earth retention system, soil borings were installed and soil samples were collected at the limits of the wall installation excavation. These soil

samples were analyzed for PCB content, with the analytical results presented in Table 15. The soils excavated to allow for installation of the earth retention system were managed as PCB impacted soil and transported off-site for disposal.

## **Excavation**

All PCB impacted in-situ material greater than 1 mg/kg was excavated from the Die Cast Area and loaded into semi-trailers for disposition off-site at an USEPA approved landfill, CHES Lone Mountain. The approach was consistent with the previous characterization methods and risk evaluation results for the Site. This conservative approach is protective of human health and the environment. The excavation proceeded from east to west, with the sidewalls sloped to prevent slope failure. During the excavation, additional concrete structures were discovered. All concrete or other debris was sized to fit into the trucks and disposed of off-site. Temporary loading ramps were constructed with clean gravel to minimize on-site spreading of impacted soils. After removal of all temporary loading ramps and truck routes, the exposed surficial soils were sampled for PCBs (Table 26), with the truck route sampling locations results shown on Figure 6-3. Comprehensive detailed findings for the years 2015, 2016 and 2017 for the Die Cast Area excavation and sampling & analysis can be found in Carter Carburetor Weekly Site Progress Report in Appendix E, Carter Carburetor Weekly Site Progress Report. The analytical results are presented in Tables 15 thru 18.

## **Dewatering**

During the time the Die Cast Area excavation was open, groundwater and precipitation would occasionally collect at the base of the excavation. Gasoline powered trash pumps were used to transfer the water from the base of the excavation to the wastewater treatment system holding tanks for treatment prior to sampling and discharge to the MSD.

## **TSCA Cap**

The TSCA Cap (Figure 4) was installed as a protective cover to allow for the beneficial reuse of PCB impacted concrete debris and site material as fill material at the Site. The beneficial reuse was limited to materials containing less than 100 ppm of PCBs, originating on-site, and placed within the Die Cast Area excavation.

The TSCA Cap was placed a minimum of three (3) feet below the finished grade and is bounded by a minimum of four (4) inches of sand below a 40-mil high density polyethylene (HDPE) geomembrane and twelve (12) inches of sand above the HDPE geomembrane. A witness barrier and detectable burial tape were placed atop the sand layer and covered with two (2) feet of limestone screenings. The Die Cast Area TSCA CAP was designed and constructed to limit infiltration and prevent human exposure to impacted demolition debris and residual impacted PCB site material placed in the Die Cast Area excavation. The TSCA CAP was constructed over the excavation limits of the Die Cast Area where soil was removed to meet the site-specific Removal Action Goals (<1 ppm). At the time of the Final Report, the TSCA CAP's finished surface consists of a Gravel Cover. PCB impacted material from the Site was placed within the Die Cast Area excavation in three (3) distinct layers to form the Die Cast Area Engineered TSCA CAP, which are as follows:

- 1) Top Layer – The top layer contained unrestricted reuse backfill material within the top three feet (3') with PCB impacted material less than 1 ppm PCB (<1mg/kg) and an Engineering TSCA CAP;
- 2) Middle Layer: The middle layer contained beneficial reused backfill material from three feet below ground surface (3' bgs) to ten feet below ground surface (10' bgs) with PCB impacted material greater than or equal to 1 ppm PCB and less than 25 ppm PCB ( $\geq 1$  mg/kg, <25 mg/kg); and
- 3) Bottom Layer: The bottom layer contained beneficial reused backfill material from ten feet below ground surface (10' bgs) to bedrock with PCB impacted material greater than or equal to 25 ppm PCB and less than 100 ppm PCB ( $\geq 25$  ppm, <100 ppm).

At the completion of the former Die Cast Area Excavation and TSCA CAP installation, institutional controls were put into place. This section of the Carter Site is currently zoned industrial, which prevents future use of the Site for residential or child day care/school purposes. A deed restriction/environmental covenant was filed with the property recorder specifying certain property restrictions namely, that the TSCA CAP cannot be breached in anyway (i.e. the Witness Barrier must not be penetrated) and maintenance on the TSCA CAP must be performed annually to retain its viability and structural integrity. The City of St. Louis' Building Division was notified of restrictions on development and environmental covenants in place at the former Die Cast Area Site (see Appendix K & L, ICP/PRSCP respectively).

### **2.3.2.3 Transportation and Disposal**

#### **Demolition Debris Management**

As the demolition debris was re-sized and then characterized, the impacted soils within Die Cast Area were being excavated. Upon receipt of the analytical results for each of the consecutively numbered debris stockpiles, the stockpiles were transported either to the load out area for transportation off-site, or to the Die Cast Area excavation for placement at appropriate depth within the excavation. After placement in approximate twelve (12)-inch lifts, the placed material was compacted by three passes of a loaded hi-lift or by a vibratory roller. The placement of the fill material was observed by a third party construction inspector to ensure that the material was placed and compacted properly. The lead operator on-site would perform field elevation checks using GPS. The final elevations of each layer of the fill material were verified by a licensed survey crew.

The excavated material was loaded into trucks, manifested, and transported to a rail spur at the north terminus of Front Street, East St. Louis, IL. A total of 58,298 tons of PCB impacted soil and concrete debris was off-loaded from the trucks to lined railcars for shipment, under manifest, to the Clean Harbors Environmental Services (CHES) – Lone Mountain Facility, located at 40355 S. County Road 236, Waynoka, OK for disposal. An additional 98 tons of PCB impacted soil and concrete debris was manifested and shipped by truck to the CHES –Lone Mountain Facility for disposal.

#### **2.3.2.4 Pre-final/Final Inspection**

##### **Site Restoration**

Upon completion of the TSCA Cap over the Die Cast Area, the side slopes of the capped area were covered with coarse gravel to minimize erosion. The area was graded so that the center of the capped area was slightly lower than the edges to minimize surface runoff and the formation of gullies. The surrounding areas were returned to the approximate contours of the Site prior to the removal action.

#### **2.3.3 Former TCE AST Area**

##### **2.3.3.1 Site Preparation Activities**

Prior to commencing construction activities, TRS and HRP prepared the former TCE AST Area for the In-Situ Thermal Desorption and Soil Vapor Extraction (ISTD/SVE) by Electrical Resistance Heating (ERH) system.

Wastewater was discharged under a Special Discharge Authorization obtained from the MSD (see Permits and Plans, Appendix J). Prior to commencing invasive construction activities, including, but not limited to, drilling or excavating, a professional land surveyor licensed in the State of Missouri marked the installation locations for the electrodes, temperature monitoring points (TMPs), and monitoring wells. Marked utilities (along with Missouri One Call) were surveyed into the Site utilities map and updated in the Site design drawings.

TRS installed a fence around the perimeter of the ISTD/SVE ERH equipment compound and any above-ground system components. Abundant signs were placed on the fence to warn the public of potential electrical dangers within the fenced area in addition to an automated security system.

Access to the remediation area was gated and locked during non-working hours. No un-authorized entry into the limits of work area was allowed at any time. These safety measures created redundant layers of protection to ensure the safety of those working within and around the ERH treatment compound, as well as the general public.

Following material receipt and prior to mobilizing a drilling subcontractor to the Site, electrode prefabrication began at the Site. Layne Drilling (see Appendix O, Contractors and Subcontractors) was contracted to install 187 electrodes (10" diameter) and 12 TMPs (4- 6" diameter) into the treatment area.

##### **2.3.3.2 Construction/Dismantlement**

Prior to start-up, a final quality assurance inspection of all piping and electrical connections was made. Quality assurance inspections and testing was completed on the electrode cable connections, drip solenoids, condenser components, transformer connections, TMP field box connections, VR blower, and PCU. All tanks were visibly inspected for weld cracks or breaks, scrapes of protective coating, corrosion, structural damage, and inadequate installation or construction such as cracks, punctures, and damaged fittings. The ERH condenser and VR system



was inspected and made operational in accordance with TRS internal operations and maintenance manuals.

Once final inspections were complete, TRS field personnel performed system startup and testing. After testing was complete and operational readiness was approved, power application to the remediation volume was continuous except for system adjustments, routine maintenance, and scheduled soil sampling events (see Appendix F, TRS ISTD/SVE ERH Weekly Reports).

After confirmatory data indicated the Performance Standard (PS) had been met, TRS and HRP personnel met with the USEPA OSC to formulate a shutdown agreement. After USEPA approval, demobilization activities commenced in September/October 2018. The vapor recovery system remained in operation following de-energizing of the electrodes. The USEPA approval also required surface checks with a portable photoionization detector (PID) by HRP Personnel. A surface check with a PID was performed a week after power to the electrodes was turned off. This check confirmed that no readings over the action limit of 1 ppm were observed prior to the demobilization of the vapor recovery equipment. The action limit of 1 ppm was determined by the OSHA PEL TWA limit for vinyl chloride of 1 ppm.

#### **2.3.3.3 Transportation and Disposal**

During the installation of the TCE AST ERH system electrodes, the spoils generated were placed into lined roll-offs and characterized for disposal. The spoils were characterized and sent off-site for disposal.

#### **2.3.3.4 Pre-final/Final Inspection**

TRS removed all above grade temporary structures, piping, and equipment on the former TCE AST site. The electrodes and TMPs were abandoned and grouted in place and existing inert materials, such as graphite, remained in place. All construction materials such as piping and debris were placed into a roll off for off-site disposal. Electrode cable, TMPs and other reusable materials were salvaged. The former TCE AST Site was restored to condition comparable to pre-ERH conditions. At the completion of the ISTD/SVE ERH, institutional controls were put into place. The controls included filing a deed restriction/environmental covenant with the property recorder specifying certain property restrictions, and notifying the city of St. Louis' Building Division of restrictions on development/environmental covenants in place at the Site (see Appendix K & L, ICP/PRSCP respectively).

### **2.4 Resources Committed**

In addition to HRP Associates, the following service providers were approved by USEPA to work at the site, pursuant to the Order. An organizational chart is presented as Figure 10 along with a listing of Contractors and Subcontractors in Appendix O.

Contractor: Ahrens Contracting, Inc.  
TRS Group, Inc.  
Midwest Service Group  
City Design Group



Subcontractors: Clean Harbors Environmental Services, Inc.  
O6 Environmental, LLC  
Schnabel Foundation Company  
McClure Engineering  
Layne Drilling  
Bulldog Drilling  
PACE Analytical Services LLC  
Jubilee Services  
US Ecology  
BGS, Inc.  
Imperial Fence, Inc.  
AMF Electrical Contractors, Inc.  
TCFS/SLMP  
Republic Services, Inc.  
Heritage Environmental Services, Inc.  
Geotechnology, Inc.  
Farnsworth Group, Inc.  
EMSL Analytical, Inc.



### 3.0 EFFECTIVENESS OF REMOVAL ACTION

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#### 3.1 Cleanup and Performance Standards

Although various contaminants had been detected at the Site (see Appendix G, EE/CA), the primary contaminants of concern were PCBs and TCE and its accompanying breakdown products. Cleanup goals for each area at the Site were established in the SRE and also include regulatory levels for PCBs. The cleanup goals for each of the four areas identified in the EE/CA are described in Section V(A)(I) of the EAM (see Appendix H, Enforcement Action Memorandum) and are also summarized in the following table:

Contaminant	Sample Media Type	Removal Action Goal
PCBs	Bulk Concrete (concentrations within concrete)	1 milligram/kilogram (mg/kg) or ppm
PCBs	Segregation and disposal value for Bulk Concrete to TSCA landfill	50 mg/kg or ppm
PCBs	Soil with no restrictions	1 mg/kg or ppm
PCBs	Soil with deed restrictions only	25 mg/kg or ppm
PCBs	Soil with CAP and deed restrictions	Greater than 25 mg/kg or ppm
TCE	Soil	24 mg/kg or ppm

Cleanup verification consisted of visual observation, continuous monitoring, and confirmation sampling and analysis to verify that the cleanup levels were attained.

#### 3.2 Performance Standard Verification

##### 3.2.1 CBI/WILLCO Building

###### 3.2.1.1 ACM Clearance Samples

Following the completion of asbestos abatement, City Design Group performed a final visual inspection in each work area to ensure compliance with federal and state asbestos regulations. Final visual inspections were conducted to verify that the work areas met the “no visible suspect debris” criteria prior to conducting the final clearance air sampling. Please refer to Appendix C.4 Final Visual Inspection Forms for copies of the Final Visual Inspection Forms and Appendix C.3 PCM Area Air Monitoring Data, clearance air sampling results.

###### 3.2.1.2 Real-Time Monitoring

During Removal Action activities, USEPA maintained four (4) air monitoring and sampling stations at the corners of the Site, with a fifth (5th) monitoring station near the entrance to the adjoining Herbert Hoover Boys and Girls Club (HHBGC) facility. These monitors were coupled with a weather data and collected real-time data on dust levels, particularly particulate matter less than 10 microns (PM<sub>10</sub>) in size. If any exceedances of the hourly average for PM<sub>10</sub> occurred, the VIPER software sent email alerts to Site personnel. The cause of the alarm was investigated, and, if possibly due to Site work, the work was stopped, the misters were repositioned, and the work

was not resumed until the alarm condition had stopped. No exceedances attributable to Site operations were identified.

In addition to the real time monitoring, USEPA collected samples for analysis of the appropriate constituent of concern, based on the work being performed. No exceedances of threshold levels were noted in these samples.

### **3.2.1.3 Bulk Concrete**

Bulk samples of the concrete foundation walls which support the existing sidewalks were collected to determine if additional Removal Actions were required. The bulk samples were not found to contain PCBs above the PS (Table 19).

### **3.2.1.4 Soil Confirmation Sampling**

Upon completion of the removal of the CBI Building slab, the subslab soils were characterized to determine which areas contained soils above the performance standard. A total of twelve (12) building bays were targeted for soil excavation. After excavation of the impacted soil within these twelve (12) bays, each bay was divided into nine cells of equal area and re-sampled. Those cells where the performance standard was exceeded were then re-excavated and resampled until all samples met the performance standard. Three point composite samples were collected from each sidewall, where the sidewall was present. If the composite sample PCB analytical result multiplied by the number of aliquots exceeded the performance standard, the individual aliquots were analyzed for PCB content. The portion of the sidewall where PCBs exceeded the performance standard was re-excavated and re-sampled until all samples met the performance standard. Duplicate samples were collected in accordance with the QAPP. The analytical results for the post-excavation sampling are presented in Table 20, with associated sample locations shown in Figures 6-1 and 6-2.

## **3.2.2 Former Die Cast Area**

### **3.2.2.1 Soil Confirmation Sampling**

As each section of excavation sidewall was exposed at the limits of excavation as described in the work plan, soil samples were collected from each five foot by five foot (5' x 5') section of sidewall (cell) to confirm that all PCB impacted soil above the performance standard was removed from the excavation. A composite sample from up to 5 contiguous cells was submitted for analysis, with individual aliquots submitted to the analytical laboratory for analysis if necessary. The composite sample analytical result was then multiplied by the number of aliquots in the sample to determine the maximum potential PCB concentration of any individual aliquot. If the PCB concentration in the composite sample exceeded the performance standard, the individual aliquots were analyzed to determine which cell(s) exceeded the PS. Those cells where the performance standard was exceeded were then re-excavated and resampled until all samples met the PS. The analytical results for the soil samples collected from the Die Cast Area are presented in Tables 15 thru 18. The sampling locations and composite aliquots are shown on Figures 7-1 (a&b), 7-2 (a&b), 7-3, and 7-4. Figure 7-5 shows the Base of the Die Cast Area Excavation Confirmation.

In order to confirm the removal of all loose soil above bedrock, the base of the excavation was visually inspected by a HRP geologist and a designated representative for the USEPA. The east wall of the excavation was sampled prior to the installation of the retaining wall, as described in the pre-construction section. Comprehensive detailed findings for the years 2015, 2016 and 2017 for the Die Cast Area excavation and sampling & analysis can be found in Carter Carburetor Weekly Site Progress Report in Appendix E, Carter Carburetor Weekly Site Progress Report.

### **3.2.3 Former TCE AST Area**

#### **3.2.3.1 Real-Time Monitoring**

During the operation of the ERH system, several components were monitored in real time to ensure optimal system operation and to confirm that no fugitive emissions were occurring. The subsurface temperatures within the treatment zones were monitored by a system of twelve (12) temperature monitoring points (TMPs), each with five (5) resistance temperature detector sensors arrayed at five (5) foot vertical intervals. Additional TMPs were installed to monitor subsurface temperatures adjacent to existing utility conduits. An in-line photoionization detector (PID) was installed to continuously monitor the vapor stream emitted from the vapor-phase granular activated carbon vessel discharge stack.

In order to prevent injury to unauthorized entrants into the fenced treatment area, two independent security systems were installed. A motion detecting infrared perimeter system to automatically stop power application to the system was installed. The second system utilized motion detectors and cameras to relay a silent alarm and video footage to an off-site monitor to determine the appropriate response, whether a call to local authorities, an immediate shutdown of the system, or both.

#### **3.2.3.2 Soil Confirmation Sampling**

A targeted soil sampling event was conducted beginning on Wednesday July 25, 2018. During this sampling event, the Site was divided into thirteen (13) sub-areas. One location in each sub-area, locations known to have historically high trichloroethylene (TCE) concentrations, was sampled. Each of the thirteen (13) sample locations showed that concentrations below the clean-up goal of 24 ppm had been achieved and thus the Site was cleared for the commencement of grid-based sampling to determine if some or all of the Site was ready for the cessation of ERH treatment.

The grid-based sampling was conducted in August and September, 2018, with all samples found to be below the PS (Figure 8). Comprehensive detailed findings for the analytical results from the closure sampling can be found in TRS Carter Carburetor Weekly Site Progress Report, ERH End of Operations and Soil Confirmation Sampling; September 24, 2018, to January 14, 2019 in (see Appendix F, TRS ISTD/SVE ERH Weekly Reports).

## **4.0 INSTITUTIONAL CONTROL PLAN/POST REMOVAL SITE CONTROL PLAN**

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### **4.1 Site Summary**

The Removal Action involved thermally enhanced extraction of trichloroethylene (TCE) in the subsurface soils and the excavation/off-site disposal of polychlorinated biphenyls (PCBs). The Removal Action also involved the removal of PCB impacted material in two on-site buildings, the Carter Building, Inc., Area and the WILLCO Plastics Building Area. The selected Removal Action(s) supported redevelopment of the Site for industrial, commercial, and recreational uses with limited restrictions (see discussion below). The following four (4) distinct on-site contaminated areas were evaluated in the Engineering Evaluation/Cost Analysis (EE/CA) and required Removal Action(s) along with evaluation of future use and/or environmental covenant(s):

- The former TCE Aboveground Storage Tank Area (AST)
- The Carter Building, Inc., Area (CBI Area)
- The WILLCO Plastics Building Area (WILLCO Building)
- The former Die Cast Area (Die Cast Area)

#### **4.1.1 CERCLA-07-2013-0008: Administrative Settlement Agreement and Order on Consent for Removal Actions**

Paragraphs, 50.D, 54 and 55 provide a summary of the Institutional Control and Post Removal Site Control Plans regulatory framework for the Site:

- 50.D. Institutional Controls. It is EPA's intent that the Site not be used in the future for residential, school, or child care purposes, but may be used for athletic and recreational purposes, such as youth day camps (hereinafter referred to as "The EPA Use Restriction"). Zoning is a governmental institutional control. The Site is currently zoned industrial. Restrictive covenants are a form of proprietary institutional control. In any area of the Site where levels of contamination above levels appropriate for a particular use remain in the AST, CBI Area and Die Cast Areas, institutional controls in addition to zoning as industrial shall be put in place to further restrict future use and activities in that area. This is true even if the area is already zoned for industrial use. In such case, an environmental covenant shall be developed and placed in the property records to prohibit certain uses of the property. Depending of the levels on contamination that may remain, the environmental covenant may prohibit certain activities such as excavation without prior approval.
54. Institutional Controls: The Institutional Control ("IC") Plan details all land use restrictions that may be necessary following completion of the removal actions to ensure the continued long-term effectiveness of the removal actions. Under the ASA, the IC Plan will not be finalized until EPA has identified the ICs necessary for the Site to protect human health and the environment.
55. Post- Removal Site Control Plan: The Post- Removal Site Control Plan details all physical and engineering controls that may be necessary to ensure the continued

effectiveness of the Removal Action(s). The Post-Removal Site Control Plan, which shall include the monitoring and maintaining of any Institutional Controls that may be necessary and required at the Site, will not be finalized until EPA has identified the ICs and PRSCs that will be necessary for the Site to protect human health and the environment. Upon EPA approval, Respondent shall implement such controls and shall provide EPA with documentation of all post-removal site control arrangements. Responsibility for conducting and monitoring Post Removal Site Controls and Institutional Controls cannot be transferred to a third-party owner unless approved by EPA.

#### **4.1.2 Enforcement Action Memorandum (EAM) Summary: 30 March 2011**

Paragraphs 4.1.2.1 through 4.1.2.4 provide a summary of the four (4) distinct on-site contaminated areas within the EAM at the Site:

##### **4.1.2.1 CBI Building**

Following completion of the building demolition, surface soils beneath the building were tested for PCB levels. Based on existing Site data, PCB levels beneath the building are expected to be low. However, if PCB levels are between 1 and 25 ppm, institutional controls will be required. If PCB levels are greater than 25 ppm, a protective cover will be required in addition to institutional controls. Institutional controls to be put in place include changing the zoning of the Site to prevent future use of the Site for residential or child day care/school purposes, filing of a deed restriction/environmental covenant with the property recorder specifying certain property restrictions, and notifying the City of St. Louis' Building Division of restrictions on development and environmental covenants in place at the Site.

##### **4.1.2.2 WILLCO Building**

As ACF is not responsible for the Removal actions in this area, ACF defers to EPA's conclusions.

##### **4.1.2.3 Die Cast Area**

In addition to treatment of the impacted soils and concrete, institutional controls to be put in place include changing the zoning of the Site to prevent future use of the Site for residential or child day care/school purposes, filing of a deed restriction in the form of an environmental covenant with the property recorder specifying certain property restrictions, and notifying the City of St. Louis' Building Division of restrictions on development/environmental covenants in place at this part of the Site.

##### **4.1.2.4 TCE AST Area**

Following implementation of the ISTD/SVE technology, institutional controls may be put into place. The controls may include filing of a deed restriction/environmental covenant with the property recorder specifying certain property restrictions, and notifying the City of St. Louis' Building Division of restrictions on development/environmental covenants in place at the Site.

#### 4.1.3 Institutional Controls Requirements

Soil(s) throughout the Carter Carburetor Superfund Site were tested for PCB levels. Since PCBs remain in a few areas of the Site, the USEPA Use Restriction is applicable to the Site. In addition, the Site is zoned industrial, which is a governmental institutional control. An environmental covenant, known as a proprietary institutional control, may be required across the Carter Carburetor Superfund Site to facilitate enforcement of the EPA Use Restriction. In addition, we will endeavor to evaluate Stormwater BMPs at the Site during the redevelopment. The following four (4) distinct on-site areas for future use Institutional Controls and/or Environmental Covenant(s) are:

- The former TCE Aboveground Storage Tank Area (AST): This area is already zoned Industrial which will prevent future use of the Site in a manner not consistent with the EPA Use Restriction. However, a Deed Restriction/Environmental Covenant may be required to prevent future use of this portion of the Site in a manner not consistent with the EPA Use Restriction along with notifying the City of St. Louis' Building Division of restrictions on development and environmental covenants in place at the Site.
- The Carter Building, Inc., Area (CBI Area): This area is already zoned Industrial which will prevent future use of the Site in a manner not consistent with the EPA Use Restriction. A Deed Restriction/Environmental Covenant will be required to prevent future owners, occupants and/or operators at the Site from excavating greater than three feet (3') below ground surface due to underground structures and to prevent use of the Site in a manner not consistent with the EPA Use Restriction; along with notification to the City of St. Louis' Building Division of restrictions on development and environmental covenants in place at the Site.
- The WILLCO Plastics Building Area (WILLCO Building): The WILLCO Building Area is excluded from the Order. Institutional Controls will not be required since this area is already zoned Industrial which prevent future use of the Site in a manner not consistent with the USEPA Use Restriction.
- The former Die Cast Area (Die Cast Area): In the former Die Cast Area, Institutional Controls (in addition to current zoning as industrial) will be required since this area is constructed with a TSCA CAP due the PCB concentrations present and the selected Removal Action. ACF constructed and installed a Die Cast Engineered Control (aka CAP) to act as a protective cover to allow for the beneficial reuse of PCB impacted concrete debris and Site material as fill material within the former Die Cast Area. The beneficial reuse was limited to materials containing less than 100 milligrams per kilogram (mg/kg)/parts per million (ppm) of PCBs, originating on-Site, and placed within the former Die Cast Area excavation. The TSCA Cap was placed a minimum of three (3) feet below the finished grade and is bounded by a minimum of four (4) inches of sand below a 40-mil high density polyethylene (HDPE) geomembrane and twelve (12) inches of sand above the HDPE geomembrane. A witness barrier and detectable burial tape were placed atop the sand layer and covered with two (2) feet of limestone screenings.

This section of the Carter Site is currently zoned industrial, which prevents future use of the Site for residential or child day care/school purposes. A deed restriction/environmental covenant will have to be filed with the property recorder specifying certain property restrictions namely, that the TSCA CAP cannot be breached in anyway (i.e. the Witness Barrier must not be penetrated) and maintenance on the TSCA CAP must be performed annually to retain its viability and structurally integrity. The City of St. Louis' Building Division will also be notified of restrictions on development and environmental covenants in place at the former Die Cast Area Site.



## **5.0 PROJECT DYNAMICS AND COMPLEXITIES**

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### **5.1 On-Site**

#### **5.1.1 Health & Safety**

HRP prepared a Health and Safety Plan (HASP) to ensure the protection of the public health and safety. The HASP was prepared in accordance with "EPA's Standard Operating Safety Guide," PUB 9285.1-03, PB 92-963414, June 1992. In addition, the HASP complied with all currently applicable Occupational Safety and Health Administration ("OSHA") regulations found at 29 CFR Part 1910.

As a responsible member of an industry where potential health and safety risks are inherent due to the nature of services we provide, a clear corporate safety policy is paramount to success at the Site. Since the start of the Project in 2005, we have worked over 600,000 hours at the Site with no reportable incidents or lost time accidents.

#### **5.1.2 Wheel Wash Station/Weigh Station**

All vehicles were visually inspected and decontaminated by the field personnel prior to leaving the loadout areas. For track-out prevention and control, all truck exteriors were broom cleaned and power washed by field personnel prior to leaving the loadout areas. Vehicles were directed to the wheel wash for cleaning prior to leaving Site. The unit operated automatically, using optical sensors to initiate a timed wash cycle. Wash water, supplied to the unit from City of St. Louis fire hydrants, was pumped to the wastewater treatment holding tanks for treatment and discharge to the MSD.

To ensure compliance with local, state and federal weight regulations, trucks loaded with PCB impacted material were weighed before leaving the Carter Site. An on-site scale was utilized to ensure trucks did not exceed the maximum rating for the specific type of truck utilized. Trucks that were overweight were directed back to the material loading area to have excess material removed. The scales were inspected and cleaned as necessary to ensure proper operation. Prior to leaving the Carter Site, loadout areas, each truck was inspected by Carter Site personnel to ensure that the payloads were adequately covered, the trucks were cleaned of spilled material, and the shipment was properly manifested or documented. Proper hazardous waste placarding was required for transportation of the PCB impacted material to the CHES Remote Rail Facility in East St. Louis, Illinois (see Appendix I, CHES Remote Rail Facility Reports). Once the dump-body trailers reached the remote Rail Facility, the dump trailers back-up onto a trailer ramp to dump the PCB impacted material into lined hopper rail cars. All dump-body trailers reached the remote Rail Facility without incident, with the exception of two (2) loads. One (1) load encountered difficulties in downtown St. Louis, but it did not result in any lost time or reportable incident. The other event occurred on November 15, 2016 on the Truck Ramp at the CHES Remote Rail Facility in East St. Louis, Illinois on the last load to leave the Site. There were no injuries or reportable connected with this event. The spill was confined to a small area and the initial clean-up was completed by 11:00 pm on 11/15/2016. Additional soil removal and confirmation sampling took place when the ramp was removed, with sampling confirming that there was no impact to the CHES Remote Rail Facility.

### **5.1.3 Dust Control**

To minimize or prevent any off-site impacts during demolition, HRP and Ahrens personnel employed standard dust control and storm water management practices at the Site during the entire demolition, construction and excavation processes. Dust control included Dust Bosses, misting and real-time weather monitoring, with appropriate testing to ensure fugitive dust emissions were prevented.

During Removal Action activities, USEPA maintained four (4) air monitoring and sampling stations at the corners of the Site, with a fifth (5th) monitoring station near the entrance to the adjoining HHBGC facility. These monitors were coupled with a weather data and collected real-time data on dust levels, particularly particulate matter less than 10 microns in size. If any exceedances of the hourly average for PM<sub>10</sub> occurred, the VIPER software sent email alerts to Site personnel. The cause of the alarm was investigated, and, if possibly due to Site work, the work was stopped, the misters were repositioned, and the work was not resumed until the alarm condition had stopped. During the course of the Removal Actions, the work was not stopped due to fugitive dust emission leaving the Carter Carburetor Superfund Site.

In addition to the real time monitoring, USEPA collected samples for analysis of the appropriate constituent of concern, based on the work being performed. No exceedances of threshold levels were noted in these samples.

### **5.1.4 Stormwater/Wastewater**

Prior to the start of demolition activity at the Site, a six (6) inch curb was installed inside the perimeter fence on North Grand Boulevard, Dodier Street, and St. Louis Avenue and along the crest of North Spring Avenue between Dodier Street and St. Louis Avenue. The curb was installed inside any stormwater inlets which had the potential to convey Site runoff to the MSD stormwater system. In addition, a retention pond was excavated at the low point of the site, located outside the southwest corner of the CBI Building.

The wastewater treatment system, initially consisting of one (1) settling tank four (4) holding tanks, two (2) 100 gpm bag filters (1 micron), an organo clay/activated carbon vessel, and associated pumps and piping. In order to reduce breakthrough of constituents of concern, a 0.5 micron bag filter was added to the treatment system. The water to be treated (storm-, ground-, wheel wash water) was pumped to the settling tank, then from the settling tank through the filters and carbon vessel into the holding tanks. Prior to discharge the treated water was sampled for compliance with MSD discharge requirements. All batches of treated water not meeting discharge requirements were retreated and re-sampled prior to discharge. The treated water was passed through an electronic flow meter and discharged to MSD manhole 18EI-263C (see Appendix J, State, Municipal and Local Permitting).

#### **5.1.4.1 COCs/Performance Standard(s)**

In consultation with St. Louis MSD, the effluent discharge standards for the Site were in accordance with MSD Ordinance No. 12559, including an instantaneous limit on PCBs of less than 1 part per billion (ppb). Additional effluent standards included restrictions on temperature, pH,

and Total Toxic Organics (see Section 2.1.3, Permits and Plans and Appendix J for a copy of the MSD effluent discharge standards.

#### **5.1.4.2 Accumulated Water**

During the normal excavation activity, groundwater entered the base of the Die Cast Area excavation and was pumped to the wastewater treatment system. There were two (2) storm events in 2015/2016 with rainfall amounts exceeding six inches (6") which required additional holding tanks and an increase in treatment batch size was requested of and approved by MSD and USEPA. Upon completion of treatment of the accumulated stormwater from these events, the treatment batch size reverted to the permit limitation of 50,000 gallons.

#### **5.1.4.3 Water Discharge Sampling**

The nominal batch size per the MSD discharge permit guidelines was 50,000 gallons. Prior to the discharge of any of the treated water, a sample of the treated water was collected from the system and submitted for analysis of the parameters listed on the permit application (Superfund Site, no permit is required). Only upon receipt of the analytical results and notification to and approval from MSD was the batch discharged to the POTW.

#### **5.1.5 Site Security**

Site security at the Site was a very important component of the overall strategy, including the HASP. The Site security began with the installation of a digital surveillance system and associated infrastructure. The initial primary perimeter system intrusion components include: ground radar system, long range Forward Looking Infrared (FLIR) cameras, mid-range FLIR cameras, HD color Pan-Tilt-Zoom (PTZ) cameras, digital zoom cameras, camera mounts and accessories, two outdoor speakers, network video recorder and associated Digital Watchdog IP License. The system was monitored remotely by The City Finest (TCF); a fully, bonded insured security company comprised of St. Louis police officers. Monitoring was performed during the week over evening and night time hours, which varied depending on site work and season, and during the weekend hours. The St. Louis Metropolitan Police Department (SLMPD) also had access to the system via the department's Real Time Crime Center. This monitoring center allowed the SLMPD to monitor participating camera networks throughout the City of St. Louis 24-hours a day. The goal is to provide First Responders with better situational awareness when emergency services were required (Fire, Medical Emergency, Active-Shooter, Natural Disaster, In-Progress Criminal Incident, Terrorist Event, etc.). Based on the Site security system in place at the Site, theft and break-ins were kept to a minimum.

#### **5.1.6 Weather Station**

In order to insure the safety of all personnel, the Site Manager was responsible for monitoring weather conditions at the Site. In the event of lightning, on-line weather services were utilized to determine the distance and direction of lightning strikes. Any strikes within ten (10) miles of the Site required the cessation of work in the open for a minimum of 30 minutes from the time of the last strike. If any member of the work crew saw lightning or heard thunder, a minimum 30-minute work break was taken, with all workers to shelter either in rubber tired vehicles of the work

trailers. An audible alarm (air horn) was sounded, and an alert was broadcast on the 2-way radios.

If high winds occurred during the demolition activity, an assessment was made of the dust control measures normally used on Site. If the dust control measures were not sufficient to control the dust, additional misters were brought on-line or work was stopped until the dust control measures were effective. High winds also caused damage to the perimeter fencing due to the fence screen. Fence posts were replaced on several occasions. In the event of a natural weather disaster such as a tornado, an audible alarm (air horn) would be sounded and an alert would be broadcast on the 2-way radios instructing all Site personnel to go to the HHBGC for shelter in one (1) of the many approved tornado shelters within the Facility.

#### **5.1.7 Daily Reports**

During the course of the Removal Action, daily reports summarizing the day's activities were prepared by the Site Manager, along with a record of the daily toolbox safety talk and a Visitors Log of personnel on-site. The Visitors Log was kept primarily to ensure that, in case of the need to stop work and/or evacuate the Site; all persons on-site could be accounted for at the time (see Attachment A, ACF Carter Carburetor Daily Field Packets).

#### **5.1.8 Equipment Demobilization**

Equipment which had been in contact with PCB impacted material was cleaned prior to demobilization from the Site. The equipment was pressure washed and wipe sampled for PCB content. If the analytical results found more than 10 micrograms per 100 cm<sup>2</sup> (10ug/100 cm<sup>2</sup>) PCBs, the equipment was required to be re-cleaned with another wipe sample collected (Table 25). All rubber-tired vehicles which was in contact with PCB impacted material, including the trucks used to transport impacted material off-site, went through the wheel wash and were inspected for soil on the tires, mud flaps, running boards, and tailgate prior to leaving the Site (see Section 5.1.2 for detail narrative).

#### **5.1.9 Unforeseen Conditions**

During the ACM abatement process, wild geese nested and laid eggs adjacent to the planned scaffolding location. In order to remove the threat posed by a nesting pair of Canada Geese, the OSC consulted with US Fish and Wildlife, who suggested that a permitted goose removal firm be contacted through Geese Peace. A trained Geese Removal contractor (see Appendix O for a list of Contractors/Subcontractors with descriptions) was brought on-site to remove the nest and eggs, minimizing the threat to the workers erecting and working on the scaffolding.

In addition, periodic gunfire from the surrounding environs was a weekly experience, with one running gun battle resulting in a vehicle crashing through the Site perimeter fence and a bullet penetrating the trailer and lodging in a Project Desk. In order to prevent injuries to the trailer occupants, a wall of interlocking concrete blocks was erected between the trailers and North Grand Boulevard.

## **5.2 Off-Site**

### **5.2.1 T&D Off-Site Rail Transfer Station**

PCB-impacted material removed from the Site was loaded into dump trailers Site and transported to a rail yard located on Front Street in East St. Louis (Figure 9). The hauling trucks reversed up an unloading ramp and empty the loads directly into lined rail cars for transport to the CHES Lone Mountain Facility. The truck ramp construction was steel framed, with wooden decking, and metal grates for tire tracks. Uniform size gravel was located below the ramp.

### **5.2.2 Utility Disconnects**

Prior to the start of demolition, all utilities to the Site were confirmed disconnected by the relevant utility or city department. The sewer lines connecting the Site to the MSD sewers were plugged by a specialty contractor and inspected by the Site Manager to confirm the seal. In addition, an electric meter pole which serviced the traffic signal at the intersection of Dodier Street and North Grand Boulevard was located within the excavation side slope of the Die Cast Area and was replaced prior to the onset of excavation and installation of the retaining wall.

During the course of the Removal Action, the City of St. Louis chose to take out of service the water line located in North Spring Avenue between Dodier Street and St. Louis Avenue. The gas main located below North Spring Avenue was taken out of service by Spire (formerly Laclede Gas) prior to the start of the TCE AST removal action.

### **5.2.3 Unforeseen Conditions**

#### **5.2.3.1 T&D Contractor Off-Site Transportation Incident(s)**

During the off-loading of material from the final truck to a lined rail car, the trailer became unbalanced while the driver was lifting the bed and fell from the ramp. A portion of the load was spilled to the gravel covering the ground surface. The truck and trailer were righted by a commercial towing company and the spilled material was scooped up and placed into the lined railcar. A cleanup and confirmation sampling plan was submitted to the OSC and to USEPA Region 5. The upper six inches of soil/gravel was removed from: the impacted area, the area beneath and adjacent to the ramp, and the space between the ramp and the track bedding. This material was placed into lined railcars for transport to the CHES Lone Mountain Facility for disposal. Since this was the final load transported to the rail yard for shipment via rail car, sampling of the post-excavation surface confirmed the absence of PCB impacts to the temporary rail facility soils. A summary of the incident, along with a narrative describing the response actions and the analytical results were submitted to the OSC and to USEPA Region 5's PCB coordinator.

## **5.3 Environmental Justice**

During all phases of the Carter Carburetor Project, including the Site Characterization Phase (EE/CA Process), the Public Comment period after the release of the EE/CA and the Remedial Design/Remedial Action Phase to completion of the Project, regular public meetings have taken place at the HHBGC. During the initial phases of the Carter Project (2005 thru 2007), the Project Coordinator, the USEPA On-scene Site Coordinator (OSC) and the USEPA Director of Environmental

Justice/Public Affairs would meet quarterly, at a minimum, with the general public and the newly formed Carter Carburetor Community Action Group (CCCAG) and their administrator. After 2007, as the EE/CA was being complied along with the implementation/completion of sub-surface sewer cleaning beneath and adjacent to the Site and the TCE Sub Slab Vapor investigation, Public Meetings shifted from quarterly to as required by the Stakeholder/USEPA Group or at the request of the public. This schedule has remained in effect to date. Public Meetings are now held either as required, at the request of the public or by the Stakeholder/USEPA Group or with the release of new information/data/work plans. At these meetings, the Project Coordinator, as the Project Manager, discuss working with the USEPA's Director of Environmental Justice/Public Affairs to ensure that the CCCAG and the local community was involved in the decision making process and had the information necessary to better understand the science involved in developing the action plans.

In 2014, ACF added Marks and Associates, a minority outreach consultant, to the Carter Carburetor team. Marks and Associates is a full service management consulting firm specializing in entrepreneurial and business development with renowned expertise in training and initiatives to improve minority participation in large or small programs. Marks and Associates addresses external areas of outreach, alignment of community resources and impactful improvement of the design and construction industry—locally and nationwide. Marks & Associates has been a leader in the development of minority businesses and community MBE/WBE programs nationwide, and more recently they have been offering direct supplier and workforce diversity program management.

In addition to the Public Meetings, this also included regular small CCCAG group meetings to discuss the issues at the Site so the CCCAG administrator could disseminate information to the local community. Additionally, HRP distributed Fact Sheets to the neighboring community. The Fact Sheets were prepared and distributed as required when a new Remedial Action would begin; a Remedial Action would be ending, or when information regarding the Site would need to be disseminated. Information contained within the Fact Sheets; included: Project Background and Goals, Updated Schedule, Home Health & Safety Tip (seasonal), What Can I Expect? (Site/Neighborhood/Construction/Traffic information), Site Progress Summary and USEPA/HRP/ACF Contact Information. In addition, HRP personnel created a standalone web page for the Site which detailed Site Progress, selected Site Photos dependent on the Remedial Action, Schedule, Contact Information and Related Documents for the community to access.

It is important to note that the Project Coordinator and the Site Management team were able to forge a strong, working relationship with the staff and management of the adjoining HHBGC facility, which is the largest community based organization in North St. Louis. This working relationship and increased level of trust led to increased awareness of community concerns and the ability to address those concerns early in the process. Not only was an emphasis placed on using local vendors and hiring people from the surrounding community, HRP was also very successful in providing a diverse staff at the Site by hiring/staffing/contracting Minority Business Enterprise/Disadvantage Business Enterprise/Women's Business Enterprise/Disabled Veteran Business Enterprise (MBE/DBE/WBE/DVBEs). Since the start of the Removal Action(s), the MBE participation at the Carter Carburetor Superfund Site has exceeded 50% for labor, boots on the ground workforce for the entire duration of the Project in the field since April 2014.

## **6.0 COSTS**

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Although the Carter Carburetor Superfund Site was privately funded by the Respondent to the Administrative Settlement Agreement and Order on Consent(s), ACF spent approximately \$35,000,000 on removal activities at the Carter site since 2005.



## 7.0 CERTIFICATION STATEMENT

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Pursuant to the Administrative Settlement Agreement and Order on Consent for Removal Actions (Order) at the Carter Carburetor Site in St. Louis; Missouri, ACF Industries, LLC (ACF), per Section IX, Paragraph 57, Removal Action Final Report, ACF hereby submits to USEPA for review and approval as required by the AOC.

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

Signed: 

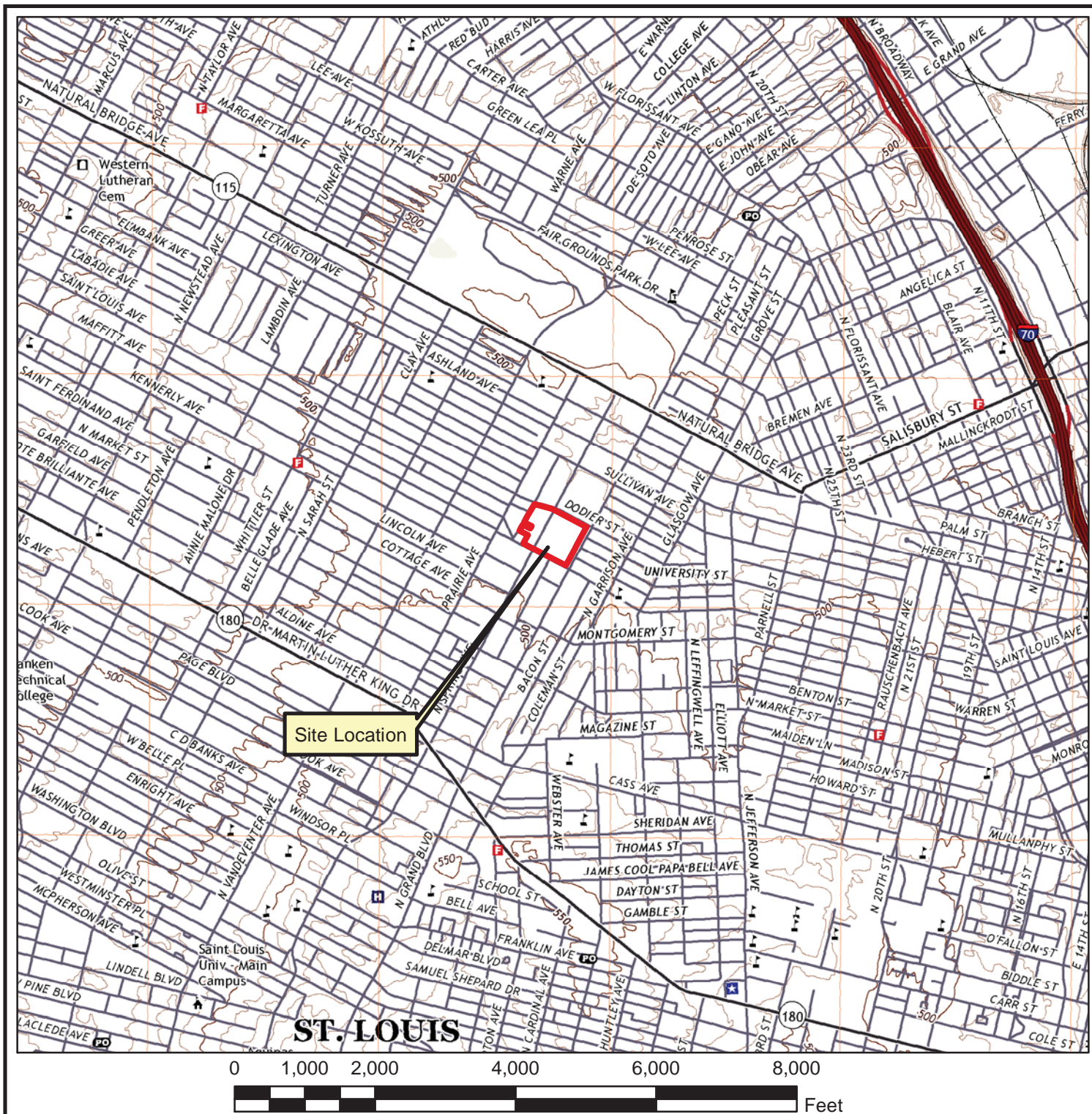
Date: April 10, 2020

Name: Mark A. Crinnion, VP

Date: 10 April 2020

63389120 v1

# FIGURES



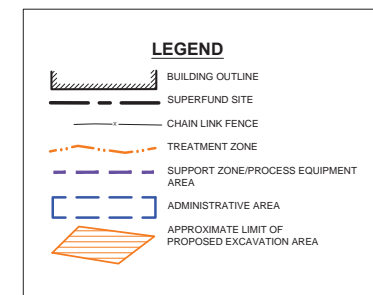
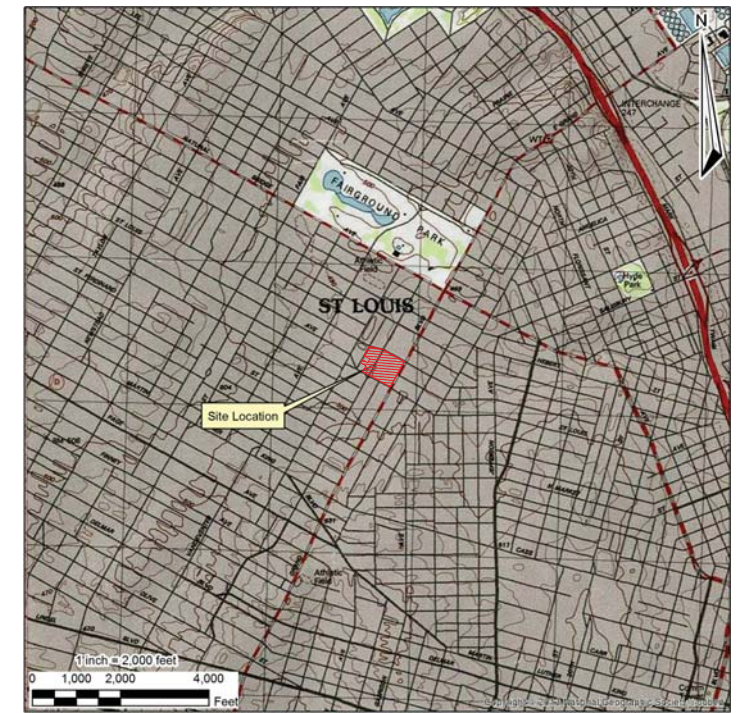
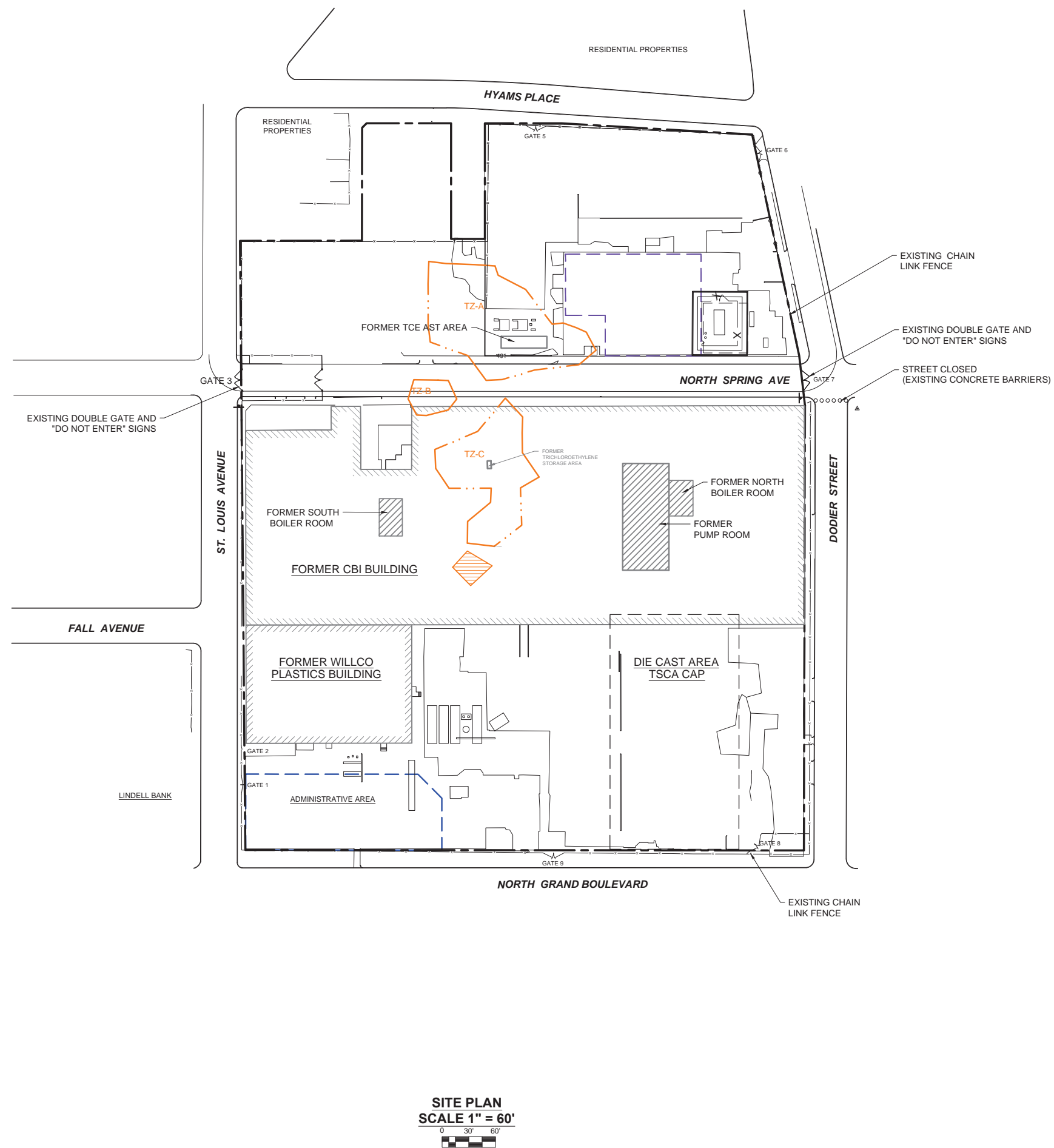
USGS Quad Information:  
GRANITE CITY, IL-MO TNM  
GEOSPATIAL PDF 7.5X7.5 GRID  
24000-SCALE TM 2016  
Survey Date: 2018  
(usgs.gov)

**Figure 1**  
**Site Location**  
**Carter Carburetor Superfund Site**  
**2801-2858 North Spring Avenue**  
**St. Louis, Missouri**  
**HRP # ACF0001.RA-90.05**  
**Scale 1"=2,000'**

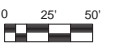


2500 SOUTH OLD HWY 94  
SUITE 202  
ST. CHARLES, MO 63303  
(314) 200-4720  
HRPASSOCIATES.COM





NORTH

[illegible]

DESIGNED:	CLT	SCALE:	1" = 60'
DRAWN:	BOB	ISSUE DATE:	04/16/2019
REVIEWED:	CLT	PROJECT NUMBER:	ACF0001.RA-90.05
APPROVED:	EMW	SHEET SIZE:	24"x36"

P.E. SEAL

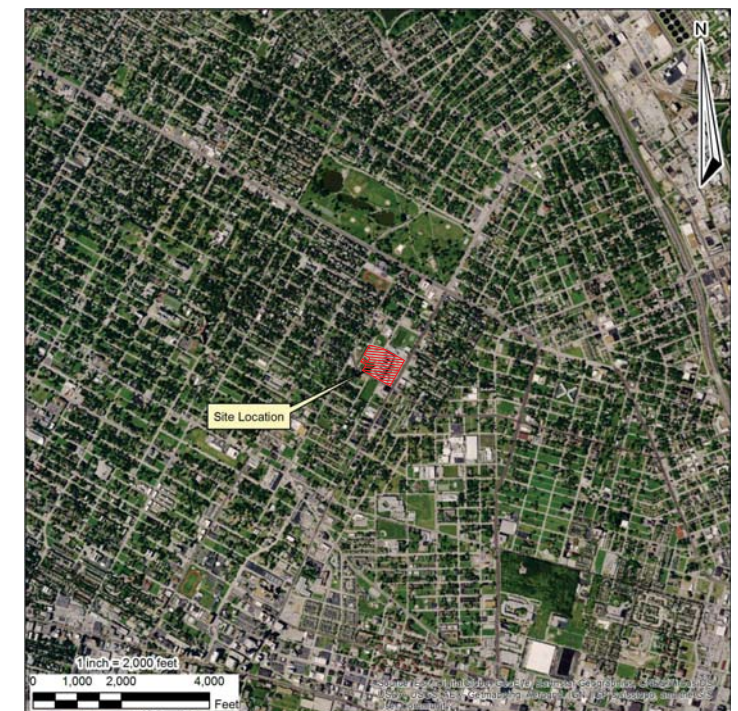
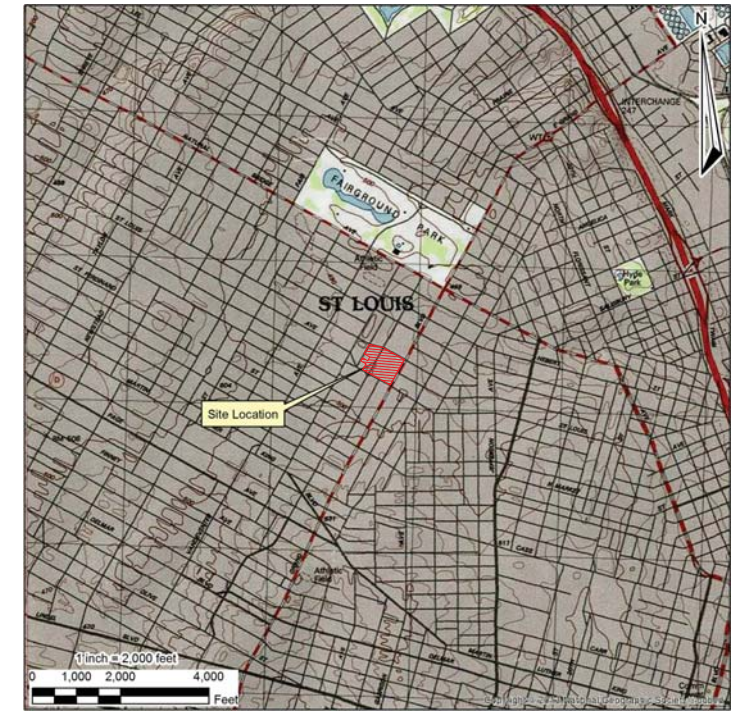
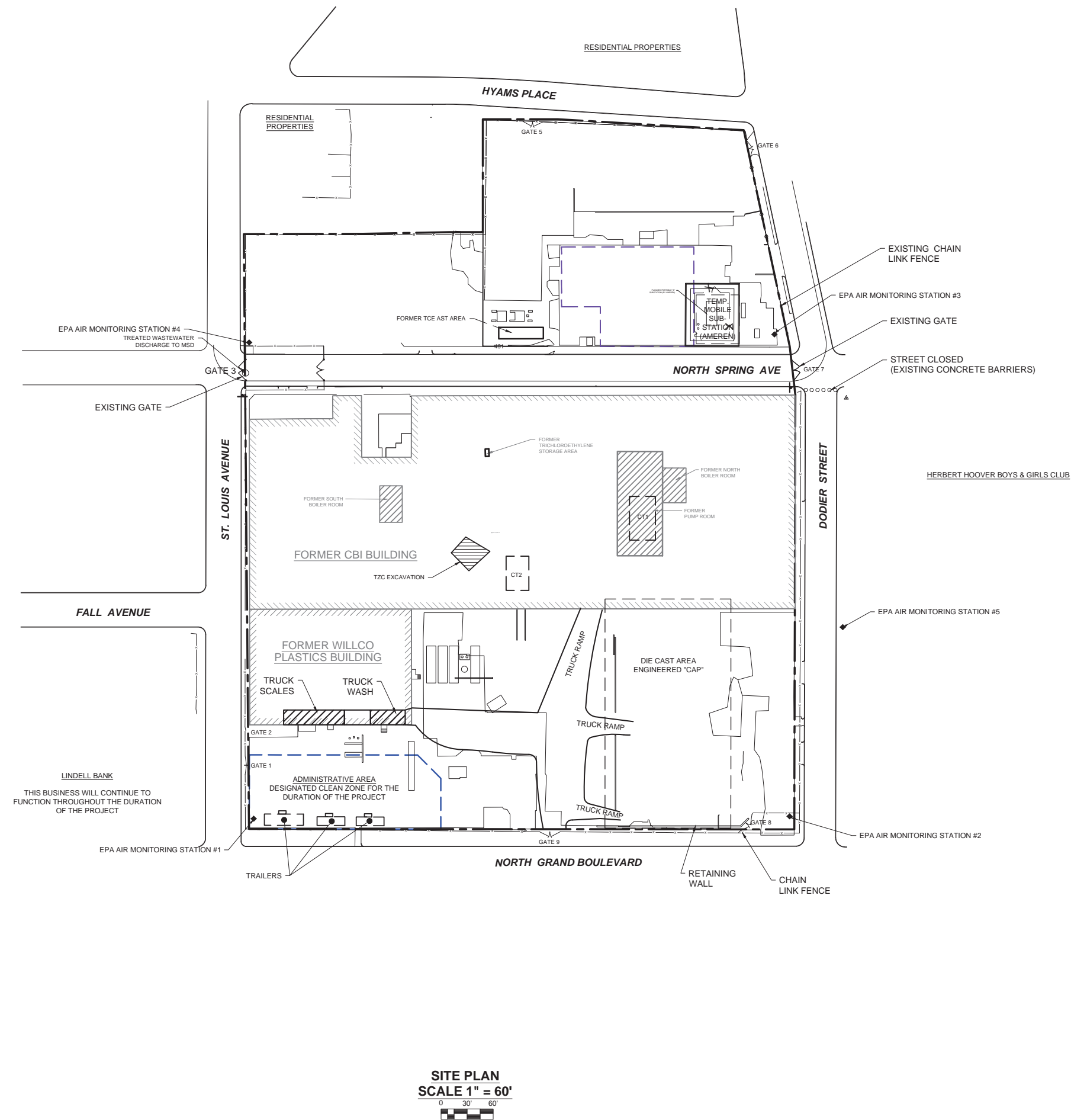
## FINAL REPORT

CARTER CARBURETOR SUPERFUND SITE  
2800 BLOCK OF NORTH SPRING AVENUE  
ST. LOUIS, MISSOURI 63107

## SITE PLAN

FIGURE  
2







DETECTABLE BURIAL WARNING TAPE

CAP MATERIAL WITH ROLLED BASE

STONE ANCHOR -SEE NOTES  
-SEE BASE BID-A DETAIL

LIMIT OF ENGINEERED CONTROL

69.5± FT

139± FT

1% SLOPE

1% SLOPE

1% SLOPE

1% SLOPE

COMMON FILL

DRAINAGE MAT LAYER EXTENDS TO THE EDGE OF THE STONE TRENCH WITH A MIN. 6" OVERHANG

CONTAMINATED FILL & SOIL

STONE ANCHOR -SEE NOTES  
-SEE BASE BID-A DETAIL

LIMIT OF ENGINEERED CONTROL

END GEO-COMPOSITE DRAINAGE LAYER AT EDGE OF STONE TRENCH FOR FULL PERIMETER. GEOTEXTILE AND BEDDING MATERIAL CONTINUE TO LIMIT OF ENGINEERED CONTROL

2' 5'

125± FT

1% SLOPE

PROPOSED FINISHED GRADE -SEE PLAN VIEW DETAIL

2' 5'

SECTION B-B  
DIE CAST ENGINEERED CONTROL (aka CAP)  
NTS

COMMON FILL WITH VEGETATIVE COVER (GRASS)  
-SEE NOTES FOR SEED MIX REQUIREMENTS

COMMON FILL  
MEETING THE REQUIREMENTS OF SECTION 203  
OF THE GUIDE FOR 90% COMPACTION

DETECTABLE BURIAL WARNING TAPE  
(SEE PLAN VIEW FOR CONFIGURATION)

WITNESS BARRIER  
(aka ORANGE CONSTRUCTION FENCE)  
SAME EXTENT AS DETECTABLE  
BURIAL WARNING TAPE

GEOCOMPOSITE  
DRAINAGE LAYER

40 MIL HIGH DENSITY  
POLYETHYLENE  
GEOMEMBRANE

10 OZ.  
NON-WOVEN  
GEOTEXTILE

3/8-INCH MINUS BEDDING MATERIAL  
PLACEMENT AND COMPACTION SHALL BE  
IN ACCORDANCE WITH SECTION 304 OF  
THE MDOT EPG

CONTAMINATED FILL & SOIL  
PLACED & COMPACTED IN ACCORDANCE  
WITH SECTIONS 209 & 210 OF THE MDOT EPG  
AND THE CONTRACT DOCUMENTS

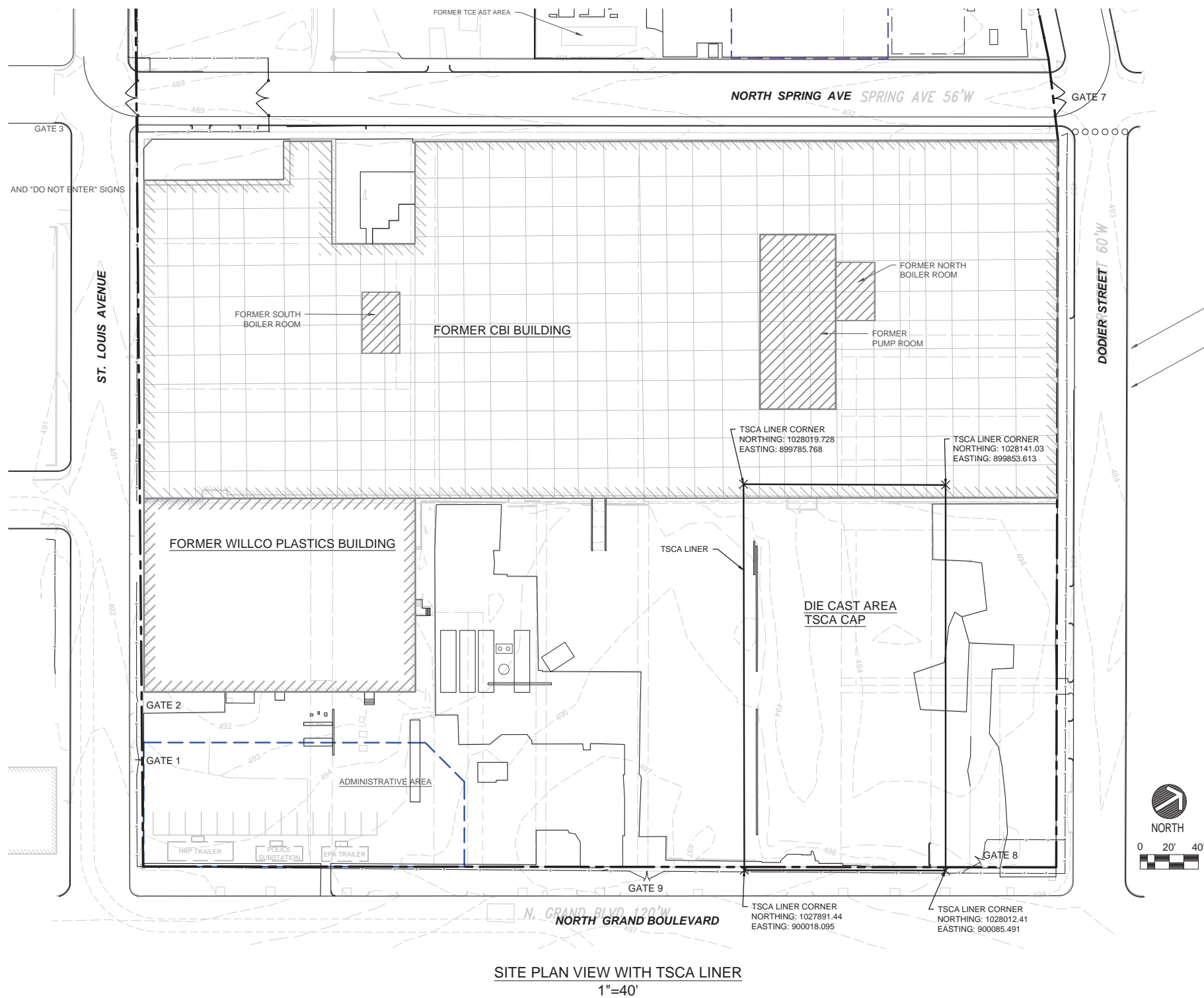
LANDSCAPED SECTION (GRASS SURFACE)  
NTS

Labels and dimensions on the left side of the diagram include:  
 - 3' MIN.  
 - 2'-8" MIN.  
 - 4" MIN.  
 - 16" MIN.  
 - 12" MIN. COMMON FILL  
 - 4" MIN. BEDDING MATERIAL  
 - CAP MATERIALS  
 - 4" MIN. BEDDING MATERIAL

[illegible]

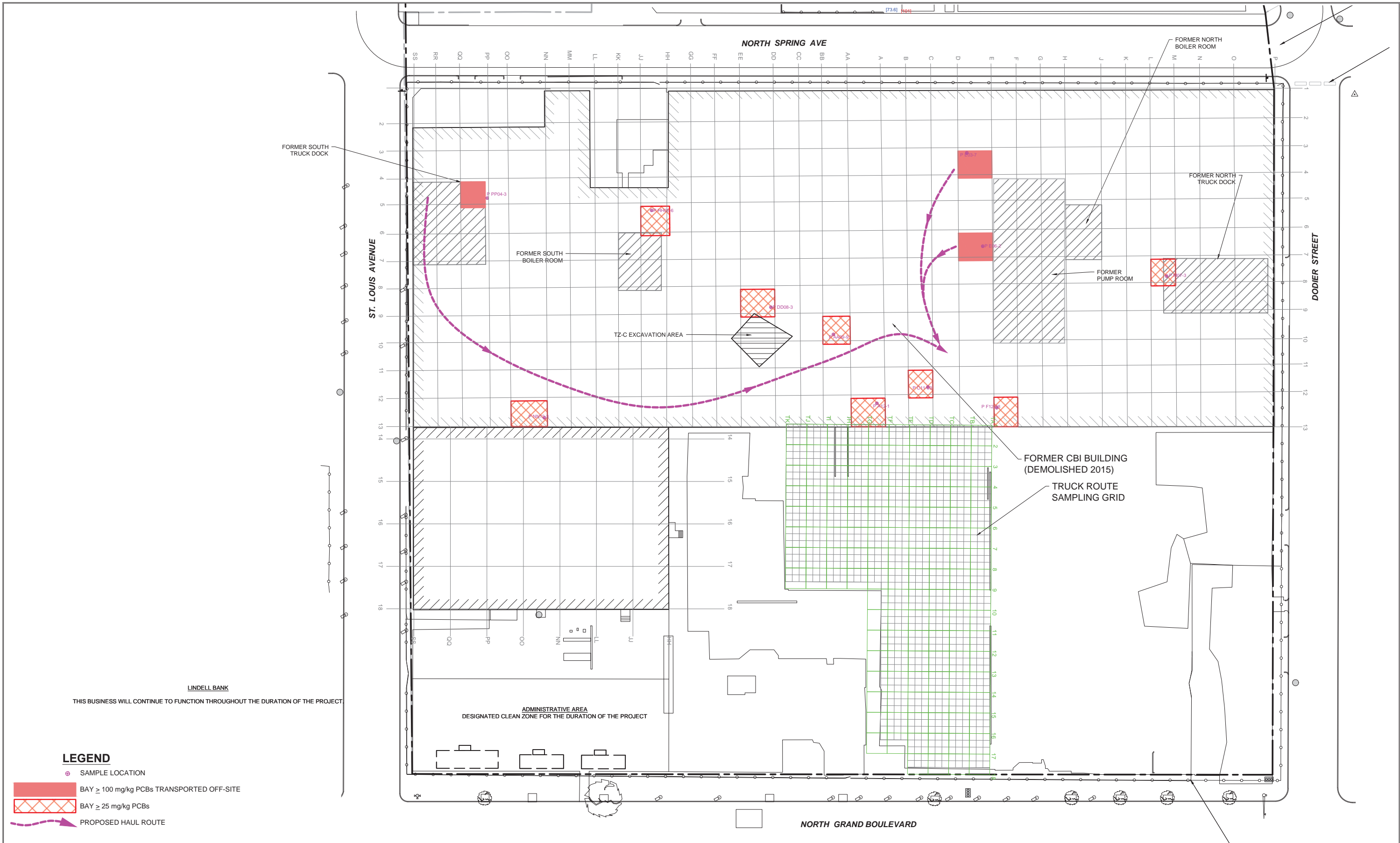
1"=50'


**NOTE:**  
THE LIMITS OF THE CAP ARE TO BE MARKED  
WITH IRON PINS. AT MINIMUM, PINS ARE TO BE  
PLACED AT EACH OF THE FOUR CORNERS.




SITE PLAN VIEW WITH TSCA LINER  
1"=40'

DRAWING NAME: JVA-ACTIN - ACT INDUSTRIES, INC./CARTER CARBURETOR SUPERFUND SITE, A-3, Sampling and Remediation Report, Figure 5, TCE and PCBs, May 06, 2019, 4:42pm, OPERA TCR 06/08

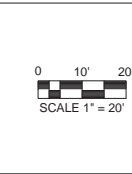




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NORTH



0 10' 20'  
SCALE 1" = 20'

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REVIEWED:	CLT	PROJECT NUMBER:	ACF0001.RA-90.05
APPROVED:	EMW	SHEET SIZE:	24"x36"

FINAL REPORT

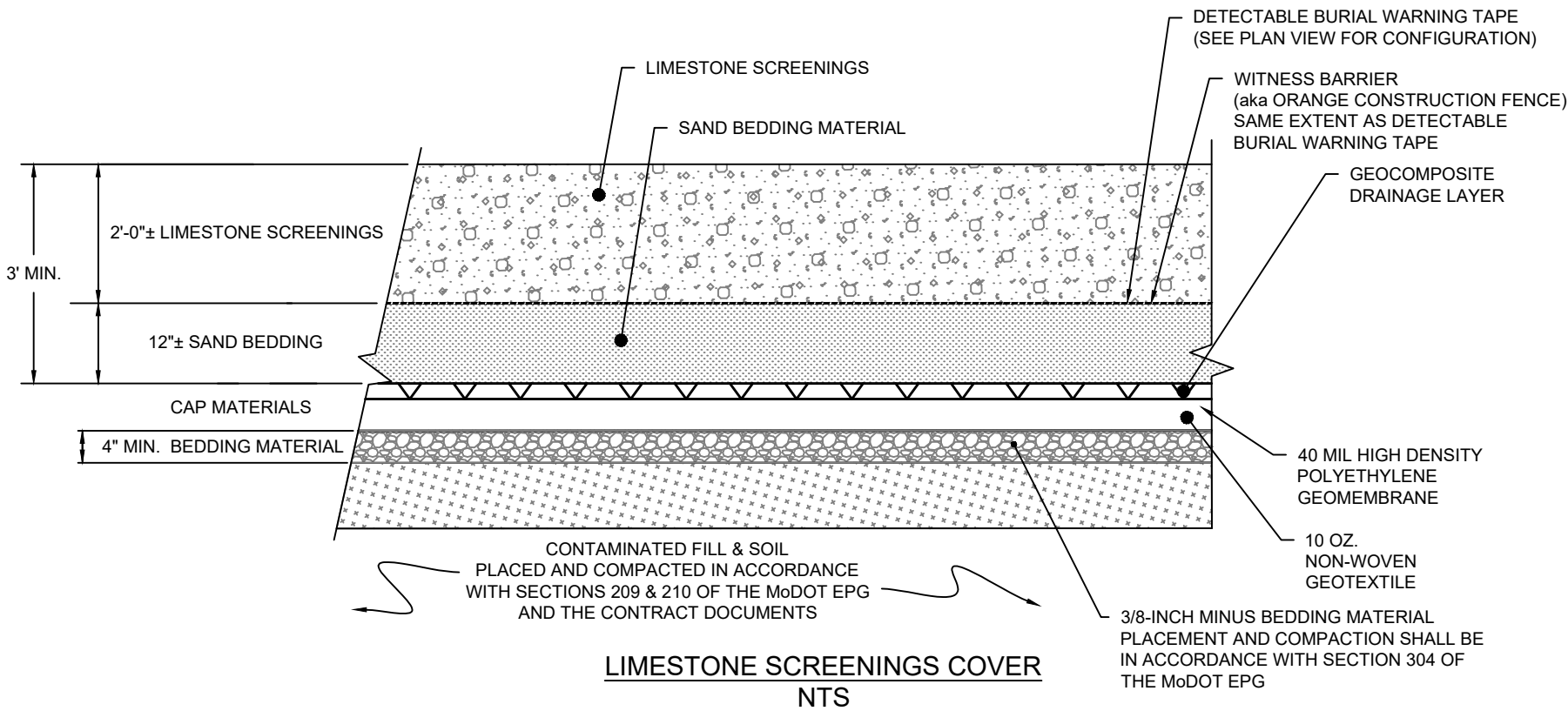
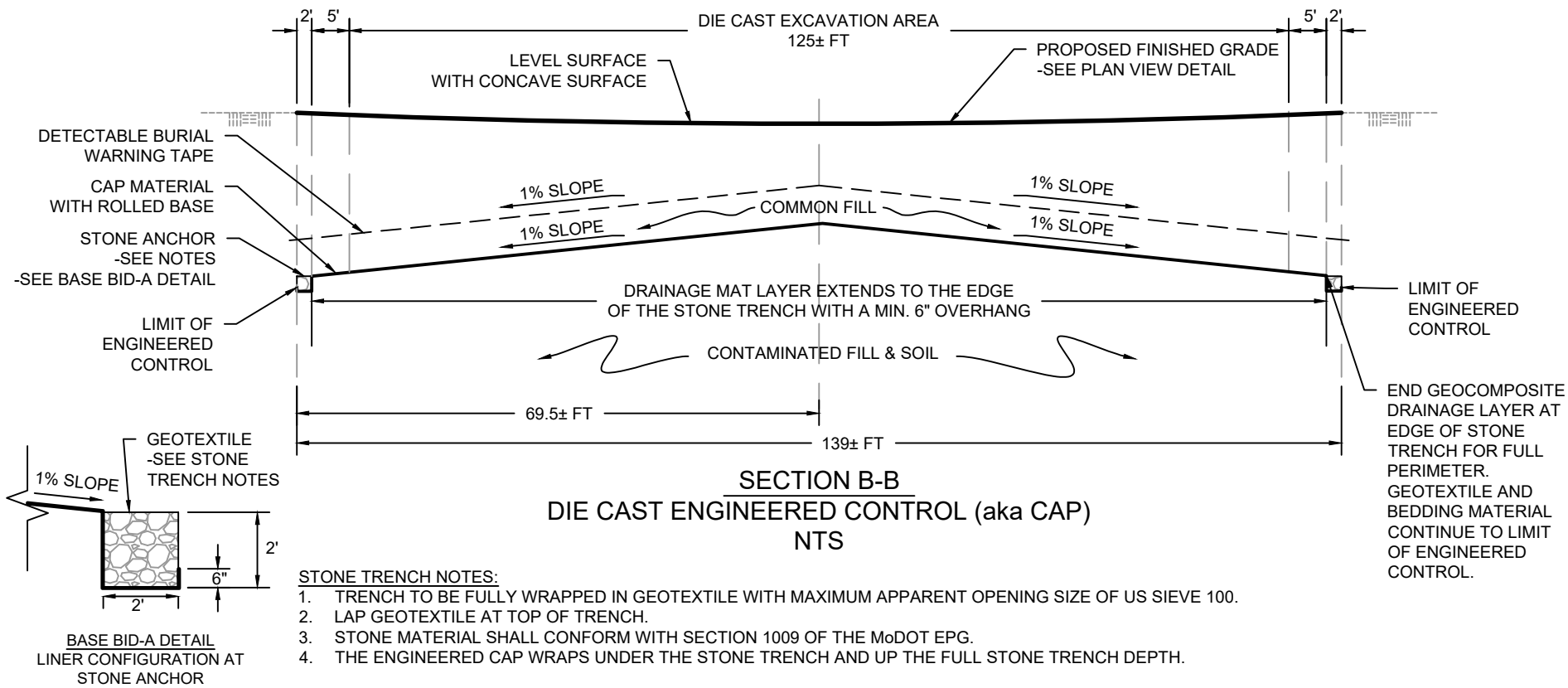
CARTER CARBURETOR SUPERFUND SITE  
2800 BLOCK OF NORTH SPRING AVENUE  
ST. LOUIS, MISSOURI 63107

Subslab and TCZ Excavations

FIGURE  
5



DRAWING NAME: J:\A\ACFN - ACF INDUSTRIES, INC\2804 NORTH SPRING AVENUE\ST LOUIS, MO\63\ACF0001RA\CAD\CAD for Engineering\ENGINEERED CONTROLS - LIMESTONE.dwg LAYOUT: 11 x 17 P - SSM PLOT DATE: Jun 15, 2020 - 7:58am OPERATOR: BOB



NOTES:

1. "MoDOT EPG" REFERS TO THE MISSOURI DEPARTMENT OF TRANSPORTATION ENGINEERING POLICY GUIDE MOST CURRENT UPDATES.
2. SEE SPECIFICATIONS FOR MATERIAL AND INSTALLATION REQUIREMENTS FOR BEDDING MATERIAL.
3. REFER TO THE CONTRACT DOCUMENTS. THIS INCLUDES THE WORK PLANS AND SPECIFICATIONS.



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DESIGNED BY:

TRB

DRAWN BY:

EJD

REVIEWED BY:

TRB

PROJECT NUMBER:

ACF0001.RA

ISSUE DATE:

09/18/2018

SHEET SIZE:

11"x17"

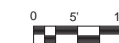
LIMESTONE SCREENINGS COVER

CARTER CARBURETOR DIE CAST AREA  
ENGINEERED CONTROL WORK PLAN

2800 BLOCK OF NORTH SPRING AVENUE,  
ST. LOUIS, MISSOURI

SHEET NO.

**FIG. 6**



<b>REVISIONS</b>					
<b>NO.</b>	<b>DATE</b>	<b>DESCRIPTION</b>	<b>SCALE:</b>	<b>DRAWN:</b>	<b>ISSUE DATE:</b>
			<b>CLT</b>	<b>1" = 10'</b>	
			<b>BOB</b>	<b>05/09/2019</b>	
			<b>PROJECT NUMBER:</b>		
			<b>CLT</b>	<b>ACF0001 RA-90.05</b>	
			<b>SHEET SIZE:</b>		
			<b>ENW</b>	<b>24"x36"</b>	

P.E. SEAL

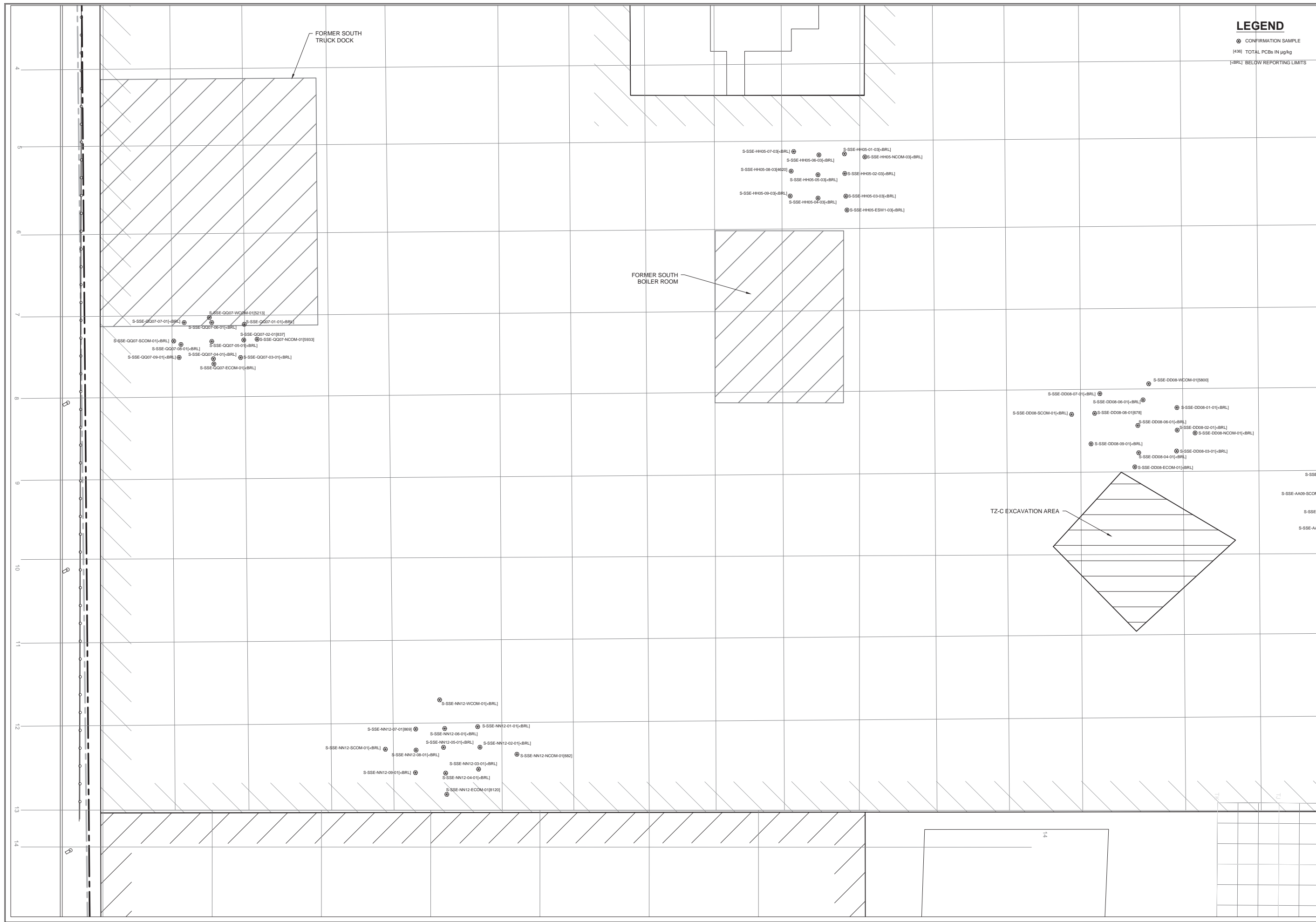
FINAL REPORT

CARTER CARBURETOR SUPERFUND SITE  
22800 BLOCK OF NORTH SPRING AVENUE  
ST. LOUIS, MISSOURI 63107

CBI NORTH  
SUBSLAB  
CONFIRMATORY  
SAMPLING

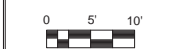
FIGURE  
6-1

- ⊗ CONFIRMATION SAMPLE  
[436] TOTAL PCBs IN µg/kg  
[<BRL] BELOW REPORTING LIMITS



## LEGEND

CONFIRMATION SAMPLE	
36] TOTAL PCBs IN µg/kg	
BELOW REPORTING LIMITS	

[illegible]

DESIGNED:	CLT	SCALE:	1" = 10'
DRAWN:	BOB	ISSUE DATE:	05/09/2019
REVIEWED:	CLT	PROJECT NUMBER:	ACF0001.RA-90.05
APPROVED:	EMW	SHEET SIZE:	24"x36"

P.E. SEAL

FINAL REPORT

CARTER CARBURETOR SUPERFUND SITE  
2800 BLOCK OF NORTH SPRING AVENUE  
ST. LOUIS, MISSOURI 63107

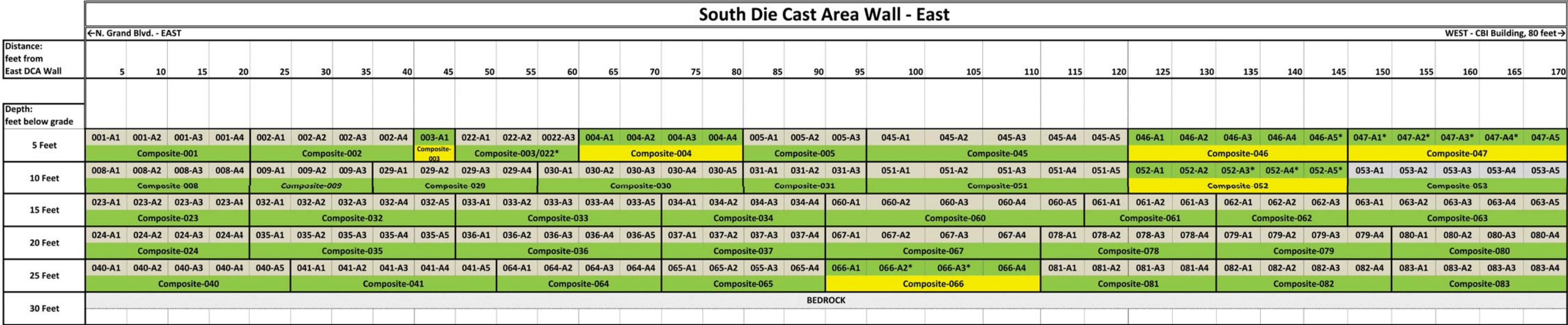
CBI SOUTH  
SUBSLAB  
CONFIRMATORY  
SAMPLING

FIGURE  
6-2





DRAWING NAME: J:\A\ACFIN - ACF INDUSTRIES, INC\ACF0001RA Project File Layout\4.0 project deliverables\4.3 drawings\Final Report\Figure 7-1a SDC East Wall Half.dwg LAYOUT: 11 x 17 - BOTTOM TITLE - SSM PLOT DATE: May 09, 2019 - 4:09pm OPERATOR: BOB



Key:

	Sampling or final results pending.
	Aliquots not analyzed because of favorable Composite Sample results.
	Results indicate residual PCBs in soil are less than the RAG.
	Results for Composite Sample indicate the potential for residual PCBs in soil to be greater than the RAG.
	Results for Aliquot or Grab Sample indicate that residual PCBs in soil are greater than or approaching the RAG.

RAG - Removal Action Goal for PCBs soil, which is 25 mg/kg.

\*Additional soil was removed and confirmatory soil sampling repeated based on prior analytical results.

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	NO.	DATE	CLT	EMW	05/09/2019		
			DRAWN BY:	PROJECT NUMBER:	SHEET SIZE:		
			BOB	ACF0001.RA-90.05	11"x17"		

DRAWING NAME: J:\A\ACFIN - ACF INDUSTRIES, INC\ACF0001RA Project File Layout\4.0 project deliverables\4.3 drawings\Final Report\Figure 7-1b SDC West Wall Half.dwg LAYOUT: 11 x 17 - BOTTOM TITLE - SSM PLOT DATE: May 09, 2019 - 4:12pm OPERATOR: BOB

	South Die Cast Area Wall - West															
	←N. Grand Blvd., 170 feet- EAST										WEST - CBI Building, 80 feet→					
Distance: feet from East DCA Wall	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250
Depth: feet below grade																
5 Feet	084-A1**	084-A2	084-A3	084-A4	084-A5	085-A1	085-A2*	085-A3	085-A4	085-A5	124-A1	124-A2	124-A3	125-A1	125-A2	125-A3
	Composite-084					Composite-085					Composite-124			Composite-125		
10 Feet	086-A1	086-A2	086-A3	086-A4	086-A5*	087-A1	087-A2	087-A3	087-A4	087-A5	126-A1	126-A2	126-A3	127-A1	127-A2	127-A3
	Composite-086					Composite-087					Composite-126			Composite-127		
15 Feet	122-A1	122-A2	122-A3	122-A4	122-A5	123-A1	123-A2	123-A3	123-A4	123-A5	133-A1	133-A2	133-A3	134-A1	134-A2	134-A3
	Composite-122					Composite-123					Composite-133			Composite-134		
20 Feet	128-A1	128-A2	128-A3	128-A4	128-A5	129-A1	129-A2	129-A3	129-A4	129-A5	135-A1	135-A2	135-A3	136-A1	136-A2	136-A3
	Composite-128					Composite-129					Composite-135			Composite-136		
25 Feet	130-A1	130-A2	130-A3	130-A4	130-A5	131-A1	131-A2	131-A3	131-A4	131-A5	137-A1	137-A2	137-A3	138-A1	138-A2	138-A3
	Composite-130					Composite-131					Composite-137			Composite-138		
30 Feet	BEDROCK															

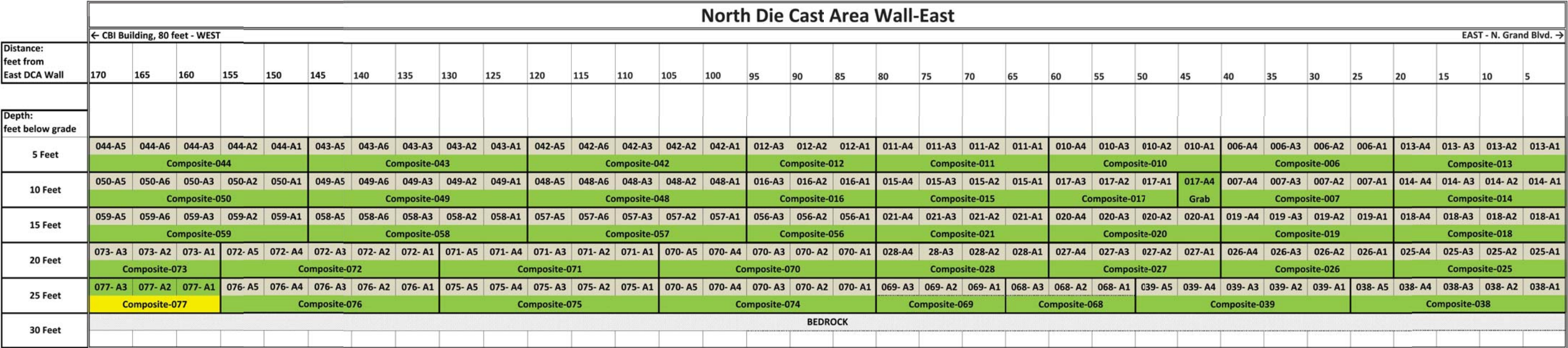
Key:	
	Sampling or final results pending.
	Aliquots not analyzed because of favorable Composite Sample results.
	Results indicate residual PCBs in soil are less than the RAG.
	Results for Composite Sample indicate the potential for residual PCBs in soil to be greater than the RAG.
	Results for Aliquot or Grab Sample indicate that residual PCBs in soil are greater than or approaching the RAG.

RAG - Removal Action Goal for PCBs soil, which is 25 mg/kg.  
\*Additional soil was removed and confirmatory soil sampling repeated based on prior analytical results.

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	NO.	DATE	CLT	EMW	05/09/2019		
			DRAWN BY:	PROJECT NUMBER:	SHEET SIZE:		
			BOB	ACF0001.RA-90.05	11"x17"		



DRAWING NAME: J:\A\ACFIN - ACF INDUSTRIES, INC\ACF0001RA Project File Layout\4.0 project deliverables\4.3 drawings\Final Report\Figure 7-2a NDC East Wall Half.dwg LAYOUT: 11 x 17 - BOTTOM TITLE - SSM PLOT DATE: May 09, 2019 - 4:15pm OPERATOR: BOB



Key:

Sampling or final results pending.

Aliquots not analyzed because of favorable Composite Sample results.

Results indicate residual PCBs in soil are less than the RAG.

Results for Composite Sample indicate the potential for residual PCBs in soil to be greater than the RAG.

Results for Aliquot or Grab Sample indicate that residual PCBs in soil are greater than or approaching the RAG.

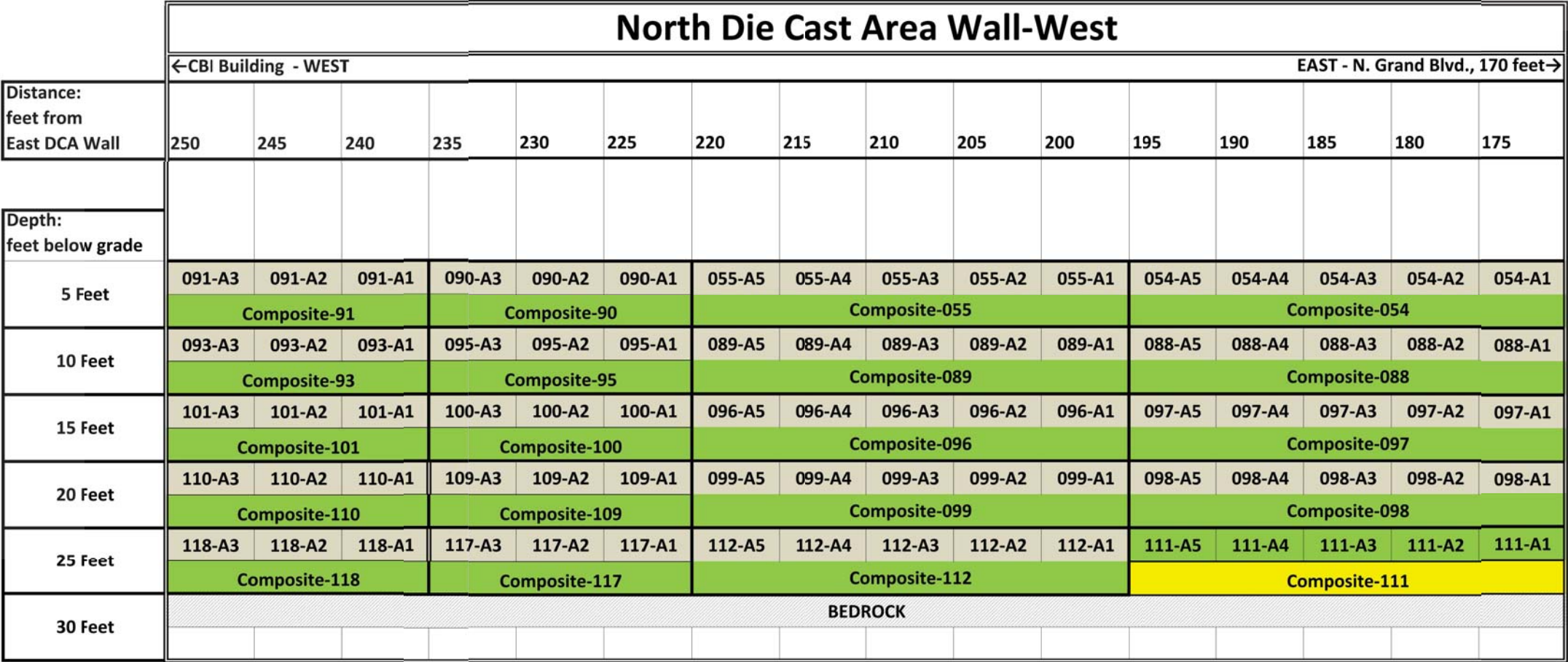
RAG - Removal Action Goal for PCBs soil, which is 25 mg/kg.

\*Additional soil was removed and confirmatory soil sampling repeated based on prior analytical results.

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	NO.	DATE	CLT	EMW	05/09/2019		
			DRAWN BY:	PROJECT NUMBER:	SHEET SIZE:		
			BOB	ACF0001.RA-90.05	11"x17"		



DRAWING NAME: J:\A\ACFIN - ACF INDUSTRIES, INC\ACF0001RA Project File Layout\4.0 project deliverables\4.3 drawings\Final Report\Figure 7-2b NDC West Wall Half.dwg LAYOUT: 11 x 17 - BOTTOM TITLE - SSM PLOT DATE: May 09, 2019 - 4:18pm OPERATOR: BOB



**Key:**

	Sampling or final results pending.
	Aliquots not analyzed because of favorable Composite Sample results.
	Results indicate residual PCBs in soil are less than the RAG.
	Results for Composite Sample indicate the potential for residual PCBs in soil to be greater than the RAG.
	Results for Aliquot or Grab Sample indicate that residual PCBs in soil are greater than or approaching the RAG.

RAG - Removal Action Goal for PCBs soil, which is 25 mg/kg.

\*Additional soil was removed and confirmatory soil sampling repeated based on prior analytical results.



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ISSUE DATE:

05/09/2019

SHEET SIZE:

11"x17"

NDC WALL WEST HALF  
SAMPLING LOCATIONS

FINAL REPORT  
CARTER CARBURETOR SUPERFUND SITE  
2800 BLOCK OF NORTH SPRING AVENUE  
ST. LOUIS, MISSOURI 63107

FIGURE

7-2b

DRAWING NAME: J:\A\ACFIN - ACF INDUSTRIES, INC\ACF0001RA Project File Layout\4.0 project deliverables\4.3 drawings\Final Report\Figure 7-3 WDC Wall.dwg LAYOUT: 11 x 17 - BOTTOM TITLE - SSM PLOT DATE: May 09, 2019 - 4:19pm OPERATOR: BOB

		West Die Cast Area Wall																											
		←St. Louis Ave.-South														NORTH - Dodier St.→													
Distance: feet from East DCA Wall		125	120	115	110	105	100	95	90	85	80	75	70	65	60	55	50	45	40	35	30	25	20	15	10	5			
Depth: feet below grade																													
5 Feet	Soils were removed extending east to the CBI Building first floor exterior No residual soil present at this elevation to sample.																						092-A4*	092-A3*	092-A2*	092-A1*			
																							Composite-92**						
10 Feet	144-A4	144-A3	144-A2*	144-A1*	143-A4*	143-A3	143-A2	143-A1	105-A5	105-A4	105-A3	105-A2	105-A1	104-A4	104-A3	104-A2	104-A1	103-A4	103-A3	103-A2	103-A1	094-A4	094-A3	094-A2	094-A1				
	Composite-144				Composite-143				Composite-105				Composite-104				Composite-103				Composite-94								
15 Feet	146-A4	146-A3	146-A2	146-A1	145-A4	145-A3	145-A2	145-A1	108-A5	108-A4	108-A3	108-A2	108-A1	107-A4	107-A3	107-A2	107-A1	106-A4	106-A3	106-A2	106-A1	102-A4	102-A3	102-A2	102-A1				
	Composite-146				Composite-145				Composite-108				Composite-107				Composite-106				Composite-102								
20 Feet	142-A4	142-A3	143-A2	143-A1	141-A4	141-A3	141-A2	141-A1	116-A5	116-A4	116-A3	116-A2	116-A1	115-A4	115-A3	115-A2	115-A1	114-A4	114-A3	114-A2	114-A1	113-A4	113-A3	113-A2	113-A1				
	Composite-142				Composite-141				Composite-116				Composite-115				Composite-114				Composite-113								
25 Feet	140-A4	140-A3	139-A2	139-A1	139-A4	139-A3	139-A2	139-A1	132-A5	132-A4	132-A3	132-A2	132-A1	121-A4	121-A3	121-A2	121-A1	120-A4	120-A3	120-A2	120-A1*	119-A4	119-A3	119-A2	119-A1				
	Composite-140				Composite-139				Composite-132				Composite-121				Composite-120				Composite-119								
30 Feet	BEDROCK																												


Key:

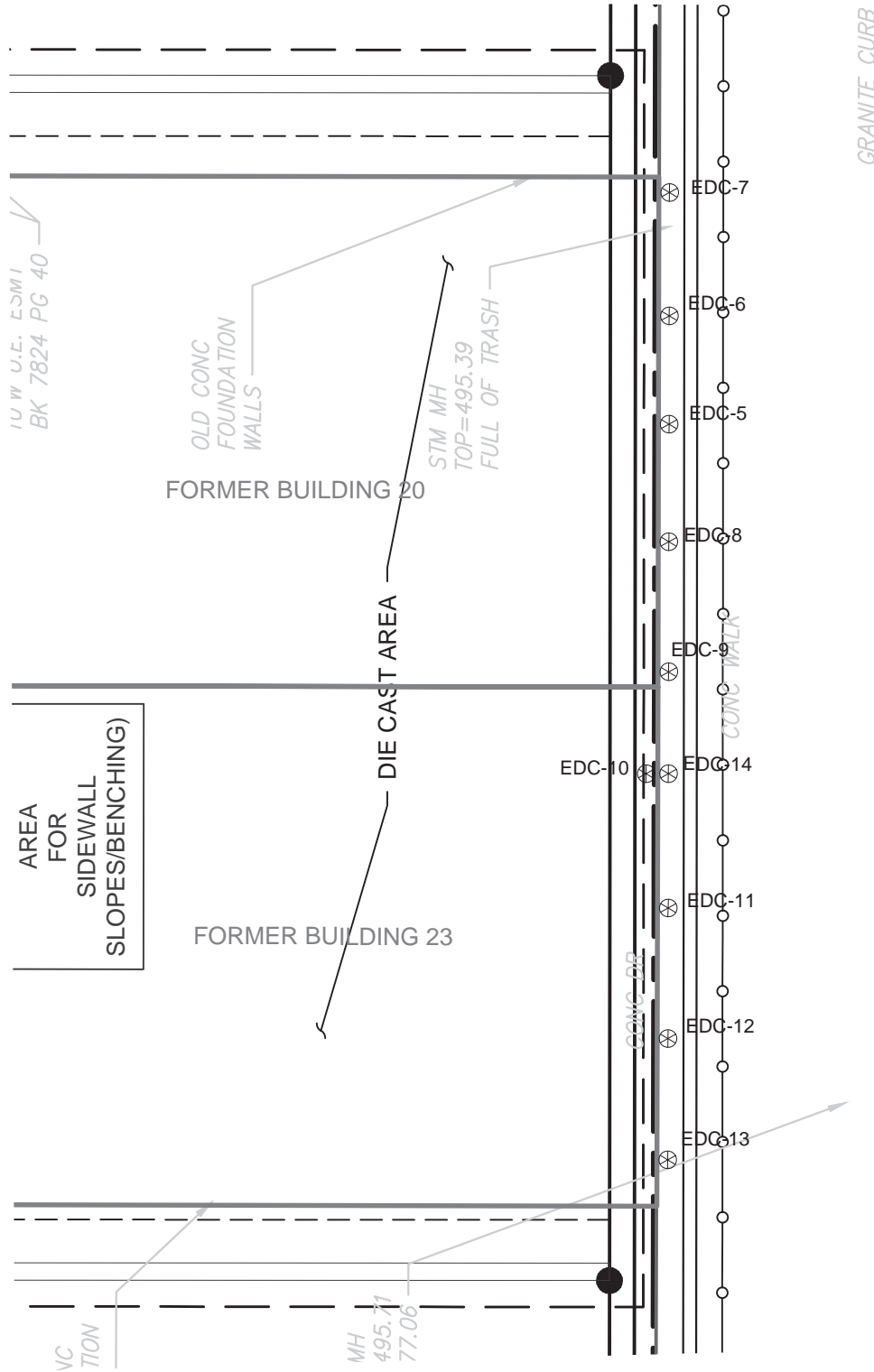
	Sampling or final results pending.
	Aliquots not analyzed because of favorable Composite Sample results.
	Results indicate residual PCBs in soil are less than the RAG.
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RAG - Removal Action Goal for PCBs soil, which is 25 mg/kg.

\*Additional soil was removed and confirmatory soil sampling repeated based on prior analytical results.

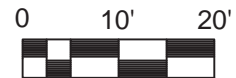
\*\* Soils were removed extending east to the CBI Building first floor exterior. No residual soil present at this elevation to sample.

 197 SCOTT SWAMP ROAD FARMINGTON, CT 06032 (860) 674-9570 HRPASSOCIATES.COM	REVISIONS		DESIGNED BY:	REVIEWED BY:	ISSUE DATE:	WDC WALL SAMPLING LOCATIONS FINAL REPORT CARTER CARBURETOR SUPERFUND SITE 2800 BLOCK OF NORTH SPRING AVENUE ST. LOUIS, MISSOURI 63107	FIGURE  7-3
	NO.	DATE	CLT	EMW	05/09/2019		
			DRAWN BY:	PROJECT NUMBER:	SHEET SIZE:		
			BOB	ACF0001.RA-90.05	11"x17"		



LEGEND

⊗ -CONFIRMATION SAMPLE LOCATION



NORTH



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# EAST DIE CAST WALL CONFIRMATION SAMPLES

## FINAL REPORT

CARTER CARBURETOR SUPERFUND SITE  
2800 BLOCK OF NORTH SPRING AVENUE  
ST. LOUIS, MISSOURI 63107

1" = 20'

SCALE:

05/06/2019

ISSUE DATE:

ACF0001.RA-90.05

PROJECT NUMBER:

FIGURE

**7-4**

SHEET NO.



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**ST. LOUIS AVENUE**







FORMER SOUTH  
BOILER ROOM

FORMER WILLCO PLASTICS BUILDING  
(DEMOLITION 2015)

GATE 6

~~GATE 7~~

DODIER STREET

-  TREATMENT ZONE
-  ERH ELECTRODE (168)
-  ERH TWO-ELEMENT ELECTRODE (18)
-  HYDRAULIC CONTROL WELL (5)
-  TEMPERATURE MONITORING POINT
-  SOIL SAMPLING LOCATION

P.E. SEAL

## FINAL REPORT

CARTER CARBURETOR SUPERFUND SITE  
2800 BLOCK OF NORTH SPRING AVENUE  
ST. LOUIS, MISSOURI 63107

TCE TREATMENT  
SYSTEM  
CONFIRMATION  
SAMPLES

FIGURE  
8



Path: J:\A\ACFIN - ACF INDUSTRIES, INC\ACF0001RA Project File Layout\4.0 project deliverables\4.3 drawings\Final Report\Figure 9 - T&D Offsite Rail Transfer Station.mxd



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2500 SOUTH OLD HWY 94  
SUITE 202  
ST. CHARLES, MO 63303  
(314) 200-4720  
HRPASSOCIATES.COM



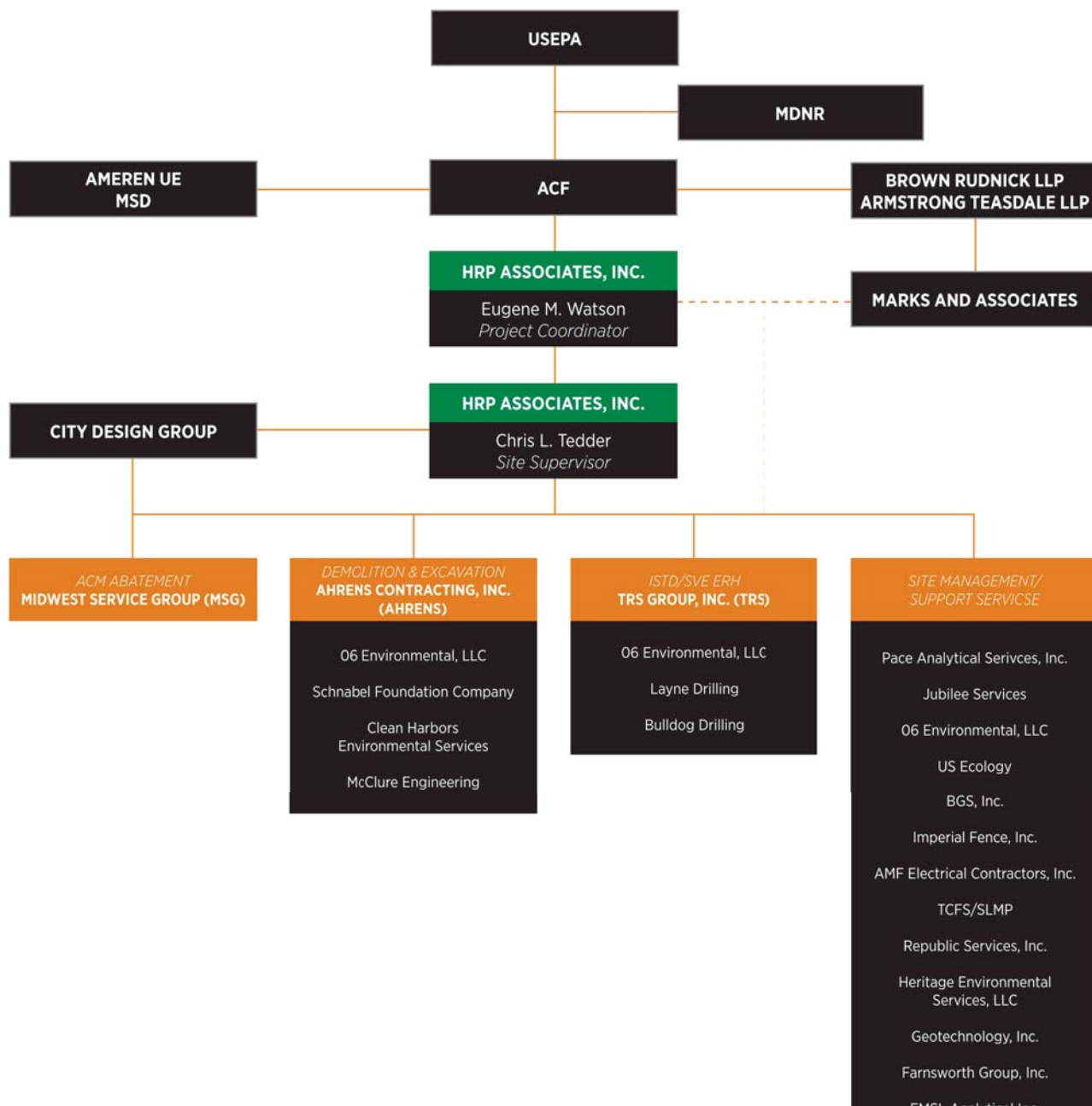
Issue Date:	Designed By:	Revisions	
		No.	Date
04/16/2019	CLT		
Project No:	Drawn By:		
ACF0001.RA	BOB		
Sheet Size:	Reviewed By:		
11x17	EMW		

**T&D Off-Site  
Rail Transfer Station**

EAST ST. LOUIS  
MISSOURI

FIGURE NO.  
**9**





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FARMINGTON, CT 06032  
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## Final Org Chart

CARTER CARBURETOR SUPERFUND SITE  
2800 BLOCK OF NORTH SPRING AVENUE  
ST. LOUIS, MISSOURI 63107

SCALE: None

ISSUE DATE: 05/06/2019

PROJECT NUMBER: ACF0001.RA-90.05

**Figure 10**

SHEET NO.



# TABLES

Table 1  
Results of Dry Ice Blasting Residue Characterization Samples for PCB and TCLP Analysis, Former Carter Carburetor Site

Date Collected	Sample ID	PCBs (Units)	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
3/17/2015	MD-DIB RESIDUE	ug/kg	BDL	BDL	BDL	BDL	BDL	122000	17500	139500
Date Collected	Sample ID	TCLP (Units)	Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Silver	Mercury
3/17/2015	MD-DIB RESIDUE	mg/L	BDL	BDL	0.28	BDL	0.74	BDL	BDL	BDL

**Table 2**  
**Results of CBI Building Interior Demolition Debris Stockpile Wipe Samples for PCB Analysis, Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
11/6/2014	4R-CT1-PIPE 1	µg	<2.0	<2.0	<2.0	<2.0	11.6	8.3	<2.0	19.9
11/6/2014	4R-CT1-PIPE 2	µg	<2.0	<2.0	<2.0	<2.0	4.7	2	<2.0	6.7
11/6/2014	4R-CT1-PIPE 3	µg	<2.0	<2.0	<2.0	<2.0	7.4	3.1	<2.0	10.5
11/6/2014	4R-CT1-PIPE 4	µg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
11/24/2014	01-WM-AA3-01	µg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	1.1
11/24/2014	01-WM-J7-01	µg	<1.0	<1.0	<1.0	<1.0	13.8	<1.0	2.5	16.3
11/24/2014	02-WM-J10-01	µg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
11/24/2014	02-WM-QQ3-01	µg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
11/24/2014	03-WM-FF6-01	µg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
11/24/2014	03-WM-G4-01	µg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
11/24/2014	04-WM-FF6-01	µg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
11/24/2014	04-WM-H3-01	µg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
1/16/2015	01-WM-012-1	µg	<1.0	<1.0	<1.0	<1.0	6	<1.0	1	7.0
1/16/2015	01-WM-M12-3	µg	<1.0	<1.0	<1.0	<1.0	7.4	<1.0	1.3	8.7
1/16/2015	01-WM-M12-N	µg	<1.0	<1.0	<1.0	<1.0	7.3	<1.0	1.6	8.9
1/16/2015	01-WM-N12-N	µg	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	1.7
1/16/2015	01-WM-N12-S	µg	<1.0	<1.0	<1.0	<1.0	6.5	<1.0	2.2	8.7
1/27/2015	04-WM-LOCKER 1	µg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
1/27/2015	04-WM-LOCKER 2	µg	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	1.6
1/27/2015	04-WM-LOCKER 3	µg	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	1.7
1/27/2015	04-WM-LOCKER 4	µg	<1.0	<1.0	<1.0	<1.0	<1.0	2.5	<1.0	2.5
3/9/2015	00-WM-CMP-1	µg	<1.0	<1.0	<1.0	<1.0	<1.0	8.5	3.5	12.0
3/9/2015	00-WM-CMP-3	µg	<1.0	<1.0	<1.0	<1.0	<1.0	5.3	<1.0	5.3
3/9/2015	04-WM-EM-A4	µg	<5.0	<5.0	<5.0	<5.0	<5.0	34.2	26.3	60.5
4/2/2015	00-WM-CMP1-02	µg	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	<1.0	1.9
4/2/2015	00-WM-CMP3-02	µg	<1.0	<1.0	<1.0	<1.0	2.7	<1.0	<1.0	2.7
4/2/2015	00-WM-SUMP-01	µg	<2.0	<2.0	<2.0	<2.0	5.1	132	<2.0	137.1
4/2/2015	04-WM-EM-A4-02	µg	<2.0	<2.0	<2.0	<2.0	4.1	3.8	<2.0	7.9
4/2/2015	3R-WM-MH2-RES 1S	µg	<1.0	<1.0	<1.0	<1.0	3.9	<1.0	<1.0	3.9
4/2/2015	3R-WM-MH2-RES 2N	µg	<5.0	<5.0	<5.0	<5.0	27	9.3	<5.0	36.3
10/28/15	DG-WM-CBI-PP-D1	µg	<1.0	<1.0	<1.0	<1.0	1.5	1.5	<1.0	3.0

Table 3  
Results of CBI Building Interior Demolition Debris for PCB Analysis, Former Carter Carburetor Site

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
10/2/2015	BD-BLK-CB1-1AA11	µg/kg	<546	<1090	<546	<546	3280	<546	<546	3280
10/2/2015	BD-BLK-CB1-1CC7	µg/kg	<464	<928	<464	<464	4500	<464	<464	4500
10/2/2015	BD-BLK-CB1-1NN5	µg/kg	<668	<1340	<668	<668	6050	<668	2000	8050
10/2/2015	BD-BLK-CB1-2CC10	µg/kg	<950	<1900	<950	<950	2790	<950	1620	4410
10/2/2015	BD-BLK-CB1-3J2	µg/kg	<465	<929	<465	<465	1980	<465	1120	3100
10/2/2015	BD-BLK-CB1-4CC11	µg/kg	<696	<1390	<696	<696	3090	<696	878	3968
10/29/2015	BD-BLK-CBI-AFW-1	µg/kg	<635	<1270	<635	<635	10100	<635	<635	10100

Table 4  
Results of Cooling Tower 1 and 2 Characterization Samples, Former Carter Carburetor Site

Date Collected	Sample Name	PCB-1016 µg/kg	PCB-1221 µg/kg	PCB-1232 µg/kg	PCB-1242 µg/kg	PCB-1248 µg/kg	PCB-1254 µg/kg	PCB-1260 µg/kg	PCB(8082)-Total µg/kg	Chromium, Total mg/kg	Chromium, Hexavalent mg/kg	Chromium, Trivalent mg/kg	TCLP - Lead mg/l	TCLP-Mercury mg/l	TCLP-Silver mg/l	TCLP-Arsenic mg/l	TCLP-Barium mg/l	TCLP-Cadmium mg/l	TCLP-Chromium, Total	TCLP-Selenium mg/l	Flashpoint / Ignitability	Reactive Sulfide	Reactive Cyanide	pH at 25 Degrees C
10/2/2015	BD-BLK-CB1-CT1	<530	<1060	<530	<530	1800	<530	740	2540	-	-	-	<0.50	<0.0020	<0.10	1.7	<2.5	<0.050	7.0	<0.50	-	-	-	-
11/20/2015	BD-BLK-E-CBI-CT1-2	-	-	-	-	-	-	-	-	5900	<0.13	5900	-	-	-	-	-	-	-	-	-	-	-	-
11/20/2015	BD-BLK-W-CBI-CT1-3	-	-	-	-	-	-	-	-	7240	<0.11	7240	-	-	-	-	-	-	-	-	-	-	-	-
10/23/2015	BD-BLK-CB1-WSP-01*	<608	<1220	<608	<608	<608	<608	<608	<BRL	-	-	-	-	-	-	-	-	-	-	-	>210	<167	<83.3	6.8

Table 5  
Results of UST Soil Samples for VOC Analysis, Former Carter Carburetor Site

Sample ID	SL-SUB-CBI-USTB-01	S-SSU-E06-06-99-01	S-SSU-E06-01-99-01	S-SSU-E06-04-99-08	S-SSU-E06-01-99-08	S-SSU-004-02-99-08	S-SSU-004-02-99-01	S-SSU-E06-01-99-08	S-SSU-E06-01-99-01	SL-SUB-CBI-USTB-01	S-SSU-E06-04-99-01	S-SSU-E06-04-99-01	S-SSU-E06-04-99-01	S-SSU-E06-06-99-08	S-SSU-E06-06-99-08	T3-CBI-E06-B2	T3-CBI-E05-SSW2	T3-CBI-E06-B1	T2-CBI-E06-B1	T1-CBI-E06-B1	T1-CBI-E06-SSW1
Date Collected	5/9/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	11/7/2016	11/7/2016	11/7/2016	11/7/2016	11/7/2016	11/7/2016
Parameter	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Chloroform	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
Bromodichloromethane	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
Isopropylbenzene	<2470	<2.9	<223	<3.4	6.5	<3.9	<4.1	9.2	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
Hexachlorobutadiene	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
Ethylbenzene	6610	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	4.0	<5.8	14.2	76.7	<210	<6.4
Dichlorodifluoromethane	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
Dibromomethane	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
Naphthalene	88600	<5.7	<445	<6.9	<7.3	<7.9	<8.2	12.5	<9.8	<10.2	<10.5	<10.6	<11.9	<1070	<12.2	<13.3	34.7	26.7	<19.5	<840	<25.5
Chloromethane	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
Tetrachloroethylene	<2470	108	<223	<3.4	<3.7	<3.9	<4.1	383	<4.9	<5.1	132	<5.3	<5.9	8020	<6.1	na	na	na	na	na	na
Chlorobenzene	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
Carbon tetrachloride	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
Carbon disulfide	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
Bromomethane	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
Bromoform	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
Dibromochloromethane	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
cis-1,2-Dichloroethylene	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	18.5	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
1,3-Dichloropropene (trans)	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
trans-1,2-Dichloroethylene	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
tert-Butylbenzene	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
sec-Butylbenzene	<2470	<2.9	<223	<3.4	7.3	<3.9	<4.1	22.0	<4.9	<5.1	<5.3	<5.3	<5.9	625	<6.1	na	na	na	na	na	na
4-Isopropyltoluene / p-Isopropyltoluene	2810	<2.9	<223	<3.4	4.0	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
n-Propylbenzene	3620	<2.9	<223	<3.4	5.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	590	<6.1	na	na	na	na	na	na
Methyltertbutyl ether	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	<3.3	<5.8	<5.3	<4.9	<210	<6.4
1,3-Dichloropropene (cis)	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
Methylene chloride (Dichloromethane)	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	751	<4.9	<5.1	<5.3	<5.3	<5.9	2440	<6.1	na	na	na	na	na	na
m-,p-,o-Xylene	28900	<2.9	<223	<3.4	<3.7	<3.9	<4.1	33.4	<4.9	<5.1	<5.3	<5.3	<5.9	1660	<6.1	24.8	55.4	156	506	601	<12.8
Vinyl chloride	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
Trichloroethylene	<2470	<2.9	1490	4.5	<3.7	<3.9	<4.1	39.8	<4.9	<5.1	27.4	7.9	<5.9	<534	<6.1	na	na	na	na	na	na
Toluene-d8	na	66.7	3430	52.9	56.3	67.2	72.1	74.8	77.8	75	83	81.9	90.2	8090	90.8	56.8	89.2	80.3	77.2	3260	97.8
Toluene	10100	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	15.3	<5.8	20.6	162	<210	<6.4
n-Butylbenzene	6530	<2.9	<223	<3.4	6.1	<3.9	<4.1	25.2	<4.9	<5.1	<5.3	<5.3	<5.9	955	<6.1	na	na	na	na	na	na
1,1-Dichloropropylene	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
1,2-Dichloroethane	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	<3.3	<5.8	<5.3	<4.9	<210	<6.4
1,2-Dichlorobenzene	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
1,2,4-Trimethylbenzene	24700	<2.9	<223	<3.4	<3.7	<3.9	<4.1	17.7	<4.9	<5.1	<5.3	<5.3	<5.9	4610	<6.1	na	na	na	na	na	na
1,2,4-Trichlorobenzene	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
1,2-Dichloroethane-d4	28000	43.7	3490	56.2	68	70.5	74.3	83.9	87.6	83.6	97.9	87.5	99.1	8220	104	57	99.9	87.5	82.2	3110	104
1,2,3-Trichlorobenzene	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
1,1,1-Trichloroethane	<2470	36.7	<223	<3.4	<3.7	<3.9	<4.1	467	<4.9	<5.1	290	<5.3	<5.9	3570	<6.1	na	na	na	na	na	na
1,1-Dichloroethylene	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
1,1,2-Trichloroethane	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
1,1,2,2-Tetrachloroethane	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
Bromochloromethane	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
1,1,1,2-Tetrachloroethane	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
Styrene	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
Acetone	<9870	<11.5	<891	<13.8	<14.6	<15.8	34.2	<19.1	29.4	<20.4	56.6	<21.2	56.4	<2140	<24.5	na	na	na	na	na	na
Benzene	<2470	<2.9	<223	<3.4	11.7	<3.9	<4.1	17.2	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	6.2	<5.8	23.4	23.7	<210	<6.4
4-Chlorotoluene	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
4-Bromofluorobenzene	28800	47.3	3330	52.1	69.1	62	64.1	84.1	73.6	87	79.1	88.2	8350	90.4	60.6	82.9	81.8	77.9	3370	102	
Dichloroethene, 1,2- (mixture)	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	18.5	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
1,4-Dichlorobenzene	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
1,3-Dichloropropane	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
1,3,5-Trimethylbenzene	5770	<2.9	<223	<3.4	4.5	<3.9	<4.1	8.5	<4.9	<5.1	<5.3	<5.3	<5.9	1530	<6.1	na	na	na	na	na	na
1,2-Dichloropropane	<2470	<2.9	<223	<3.4	<3.7	<3.9	<4.1	<4.8	<4.9	<5.1	<5.3	<5.3	<5.9	<534	<6.1	na	na	na	na	na	na
2,2-Dichloropropane	<2470	<2.9	<223	<3.4	<3.7	&lt															

**Table 6**  
**Results of UST Samples for SVOC and TPH Analysis, Former Carter Carburetor Site**

Sample ID	SL-SUB-CBI-UST8-01	T1-CBI-E06-B1	T1-CBI-E06-SSW1	T2-CBI-E06-B1	T3-CBI-E05-B1	T3-CBI-E05-B2	T3-CBI-E05-SSW2
Date Collected	5/9/2016	11/7/2016	11/7/2016	11/7/2016	11/7/2016	11/7/2016	11/7/2016
Parameter							
Pyrene	329000	490	<8.1	49.6	9.0	<41.4	<8.2
Benzo(a)anthracene	64200	85.6	<8.1	<8.4	<8.3	<41.4	<8.2
Naphthalene	995000	554	<8.1	395	61.7	<41.4	<8.2
Benzo(b)fluoranthene	13400	<82.2	<8.1	12.0	<8.3	<41.4	<8.2
Dibenzo(a,H)anthracene	<8410	<82.2	<8.1	<8.4	<8.3	<41.4	<8.2
Benzo(a)pyrene	30600	<82.2	<8.1	12.0	<8.3	<41.4	<8.2
Chrysene	137000	275	<8.1	25.1	<8.3	<41.4	<8.2
Acenaphthylene	51700	<82.2	<8.1	16.0	<8.3	<41.4	<8.2
Fluoranthene	64200	162	<8.1	16.3	<8.3	<41.4	<8.2
Benzo(ghi)perylene	16000	<82.2	<8.1	21.4	<8.3	<41.4	9.5
Indeno(1,2,3-cd)pyrene	<8410	<82.2	<8.1	16.6	<8.3	<41.4	<8.2
Phenanthrene	1090000	2410	8.8	54.0	10.0	<41.4	<8.2
Acenaphthene	142000	369	<8.1	14.4	<8.3	<41.4	<8.2
Anthracene	206000	286	<8.1	16.2	<8.3	<41.4	<8.2
Fluorene	279000	727	<8.1	32.9	<8.3	<41.4	<8.2
Gasoline Range Organics	361000	85300	<640	64700	16300	6500	9300
Diesel Range Organics	1060000000	42600000	19900	4330000	1380000	14500000	103000
Oil Range Organics	228000000	20100000	56500	4900000	1200000	10800000	328000



**Table 7**  
**Results of UST Samples for Metals Analysis, Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Cadmium	Chromium, Total	Selenium	Barium	Arsenic	Silver	Mercury	Lead
5/9/2016	SL-SUB-CBI-UST8-01	mg/kg	1.5	7.0	<2.6	83.3	3.5	<1.2	0.12	1280
8/3/2016	S-SSU-DD01-01	mg/kg	<0.44	3.8	<1.3	16.0	1.5	<0.61	<0.056	2.2
8/3/2016	S-SSU-DD01-08	mg/kg	<0.47	8.0	<1.4	20.0	3.3	<0.65	<0.043	3.5
8/3/2016	S-SSU-EE01-01	mg/kg	<0.35	3.1	<1.1	21.6	2.2	<0.49	<0.035	4.6
8/3/2016	S-SSU-EE01-08	mg/kg	<0.56	8.1	<1.7	64.4	3.4	<0.79	0.16	32.7
8/3/2016	S-SSU-HH08-99-01	mg/kg	0.75	17.8	<1.6	354	9.5	<0.73	0.18	22.8
8/3/2016	S-SSU-HH08-99-08	mg/kg	<0.53	19.1	<1.6	163	7.5	<0.74	<0.066	21.9
8/3/2016	S-SSU-HH09-99-01	mg/kg	<0.56	20.8	<1.7	182	7.7	<0.79	<0.050	20.4
8/3/2016	S-SSU-HH09-99-08	mg/kg	<0.48	17.7	<1.5	51.3	5.2	<0.68	<0.050	6.7
8/3/2016	S-SSU-JJ08-99-01	mg/kg	1.0	12.5	<1.9	42.3	2.8	<0.88	<0.069	173
8/3/2016	S-SSU-JJ08-99-08	mg/kg	0.63	21.8	<1.5	235	8.6	<0.71	0.073	88.9
8/3/2016	S-SSU-KK08-99-01	mg/kg	<0.50	16.3	<1.5	220	6.9	<0.71	<0.047	21.6
8/3/2016	S-SSU-KK08-99-08	mg/kg	<0.41	15.0	<1.2	89.8	4.5	<0.57	<0.044	7.3
8/4/2016	S-SSU-E05-01-99-01	mg/kg	1.2	54.5	<1.3	1380	8.3	<0.60	11.2	133
6/16/2017	S-SSU-E05-01-99-02	mg/kg	na	na	na	na	na	na	0.23	na
8/4/2016	S-SSU-E05-01-99-08	mg/kg	<0.54	15.0	<1.6	88.2	6.0	<0.76	<0.065	10.0
8/4/2016	S-SSU-E05-04-99-01	mg/kg	<0.55	11.3	<1.6	175	8.3	<0.77	0.13	20.0
8/4/2016	S-SSU-E05-04-99-01D	mg/kg	<0.57	14.7	<1.7	133	7.3	<0.79	1.3	17.8
8/4/2016	S-SSU-E05-04-99-08	mg/kg	<0.58	12.9	<1.8	156	5.1	<0.82	<0.055	8.3
8/4/2016	S-SSU-E05-04-99-8D	mg/kg	<0.48	14.5	<1.4	175	7.4	<0.67	<0.045	7.5
8/4/2016	S-SSU-E06-06-99-01	mg/kg	<0.42	2.7	<1.3	18.9	1.9	<0.59	<0.045	3.4
8/4/2016	S-SSU-E06-06-99-08	mg/kg	<0.51	15.2	<1.5	73.9	5.4	<0.72	<0.051	7.8
8/4/2016	S-SSU-E06-06-99-1D	mg/kg	<0.54	3.6	<1.6	23.9	2.0	<0.76	<0.050	5.5
8/4/2016	S-SSU-EE02-99-01	mg/kg	<0.52	19.0	<1.6	141	10.4	<0.73	0.16	12.3
8/4/2016	S-SSU-EE02-99-01D	mg/kg	<0.51	17.0	<1.5	134	7.2	<0.72	0.28	23.0
8/4/2016	S-SSU-EE02-99-08	mg/kg	<0.50	14.5	<1.5	129	8.2	<0.70	<0.064	12.2
8/4/2016	S-SSU-GG01-99-01	mg/kg	0.89	15.8	<1.8	180	8.9	<0.83	0.18	180
8/4/2016	S-SSU-GG01-99-08	mg/kg	21.4	20.4	<3.6	118	17.9	<0.83	0.32	107
8/4/2016	S-SSU-J04-02-99-01	mg/kg	<0.55	8.4	<1.6	78.9	5.0	<0.77	0.13	257
8/4/2016	S-SSU-J04-02-99-08	mg/kg	0.50	7.2	<1.3	58.7	3.1	<0.63	0.11	79.8
8/4/2016	S-SSU-K04-06-99-01	mg/kg	<0.49	14.3	<1.5	110	6.3	<0.68	1.3	12.8
8/4/2016	S-SSU-K04-06-99-08	mg/kg	<0.59	15.1	<1.8	152	9.7	<0.82	<0.047	13.5
8/4/2016	S-SSU-K05-01-99-01	mg/kg	<0.47	12.4	<1.4	161	6.5	<0.65	0.12	19.5
8/4/2016	S-SSU-K05-01-99-08	mg/kg	<0.62	16.9	<1.9	234	30.0	<0.87	<0.052	11.6
8/4/2016	S-SSU-K05-04-99-01	mg/kg	<0.57	14.3	<1.7	151	7.3	<0.80	0.12	53.5
8/4/2016	S-SSU-K05-04-99-08	mg/kg	<0.59	12.6	<1.8	80.5	5.8	<0.83	<0.055	10

**Table 7**  
**Results of UST Samples for Metals Analysis, Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Cadmium	Chromium, Total	Selenium	Barium	Arsenic	Silver	Mercury	Lead
8/4/2016	S-SSU-O05-07-99-01	mg/kg	<0.47	3.0	<1.4	18.6	1.7	<0.66	<0.041	2.0
8/4/2016	S-SSU-O05-07-99-01D	mg/kg	<0.51	7.1	<1.5	59.3	3.8	<0.72	<0.040	13.3
8/4/2016	S-SSU-O05-07-99-08	mg/kg	<0.46	9.0	<1.4	112	4.0	<0.64	<0.048	10.3
8/4/2016	S-SSU-P04-03-99-01	mg/kg	<0.60	2.8	<1.8	17.0	1.3	<0.83	<0.061	1.9
8/4/2016	S-SSU-P04-03-99-08	mg/kg	<0.61	15.6	<1.8	130	6.6	<0.85	0.068	46.7
8/4/2016	S-SSU-P04-09-99-01	mg/kg	0.40	1.6	<1.1	34.6	9.7	<0.53	<0.038	2.8
8/4/2016	S-SSU-P04-09-99-08	mg/kg	<0.46	3.0	<1.4	11.8	1.2	<0.65	<0.042	1.6
8/4/2016	S-SSU-P05-09-99-01	mg/kg	<0.46	15.0	<1.4	152	7.3	<0.64	0.086	16.1
8/4/2016	S-SSU-P05-09-99-08	mg/kg	<0.55	12.3	<1.6	137	7.0	<0.77	0.57	19.0
8/18/2016	S-SSP-NN05-03-01	mg/kg	0.67	16.3	<1.3	131	6.5	<0.60	0.20	72.3
8/18/2016	S-SSP-NN05-03-01D	mg/kg	0.62	15.0	<1.8	185	6.9	<0.82	0.24	108
8/18/2016	S-SSP-NN05-04-01	mg/kg	<0.50	13.6	1.9	151	6.6	<0.71	0.093	236
8/18/2016	S-SSP-NN05-09-01	mg/kg	0.73	24.4	<1.7	266	9.9	<0.79	0.17	234
8/18/2016	S-SSP-NN06-01-01	mg/kg	<1.2	22.1	<3.5	129	7.8	<1.7	0.26	62.7
8/18/2016	S-SSP-NN06-01-01D	mg/kg	<0.49	23.8	1.6	135	7.1	<0.69	0.26	68.8
8/18/2016	S-SSP-NN06-02-01	mg/kg	<0.58	21.5	<1.7	156	11.0	<0.81	0.075	23.2
8/18/2016	S-SSP-NN06-05-01	mg/kg	<0.65	19.3	<2.0	173	8.9	<0.92	0.21	91.0
8/18/2016	S-SSP-NN06-06-01	mg/kg	<0.63	19.6	<1.9	215	9.3	<0.88	0.12	90.3
8/18/2016	S-SSP-NN06-07-01	mg/kg	1.8	40.5	2.3	365	15.4	<1.0	0.15	97.4
8/18/2016	S-SSP-NN06-08-01	mg/kg	0.52	25.1	<1.3	180	8.5	<0.60	0.35	60.5
11/7/2016	T1-CBI-E06-B1	mg/kg	na	na	na	na	na	na	na	12.4
11/7/2016	T1-CBI-E06-SSW1	mg/kg	na	na	na	na	na	na	na	11.7
11/7/2016	T2-CBI-E06-B1	mg/kg	na	na	na	na	na	na	na	11.3
11/7/2016	T3-CBI-E05-B1	mg/kg	na	na	na	na	na	na	na	10.9
11/7/2016	T3-CBI-E05-B2	mg/kg	na	na	na	na	na	na	na	13.0
11/7/2016	T3-CBI-E05-SSW2	mg/kg	na	na	na	na	na	na	na	24.5

**Table 8**  
**Results of Unknown USTs Oily Liquid and Wipe Samples for PCB Analysis, Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
10/28/2016	OL-CBI-E06-TNK01	µg/l	<25.3	<25.3	<25.3	<25.3	254	<25.3	112	366
10/28/2016	OL-CBI-E06-TNK02	µg/l	<1010	<1010	<1010	<1010	<1010	<1010	11300	11300
10/28/2016	OL-CBI-E06-TNK03	µg/l	<206	<206	<206	<206	<206	<206	325	325
11/10/2016	DC-WM-E06-T1-1	µg	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	242	242
11/10/2016	DC-WM-E06-T2-1	µg	<1.0	<1.0	<1.0	<1.0	5.1	<1.0	6.8	11.9
12/2/2016	DC-WM-E05-T3-1	µg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL

**Table 9**  
**Results of CBI Building Debris Stockpile Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
BD-DSP-CBI-COMPOSITE-001	µg/kg	<402	<804	<402	<402	1950	<402	<402	1950
BD-DSP-CBI-COMPOSITE-002	µg/kg	<491	<982	<491	<491	1830	<491	<491	1830
BD-DSP-CBI-COMPOSITE-003	µg/kg	<396	<792	<396	<396	1700	<396	<396	1700
BD-DSP-CBI-COMPOSITE-004	µg/kg	<378	<756	<378	<378	1640	<378	<378	1640
BD-DSP-CBI-COMPOSITE-005	µg/kg	<395	<790	<395	<395	1740	<395	<395	1740
BD-DSP-CBI-COMPOSITE-006	µg/kg	<508	<1020	<508	<508	1700	<508	<508	1700
BD-DSP-CBI-COMPOSITE-7	µg/kg	<528	<1060	<528	<528	1640	<528	<528	1640
BD-DSP-CBI-COMPOSITE-8	µg/kg	<544	<1090	<544	<544	1240	<544	<544	1240
BD-DSP-CBI-COMPOSITE-9	µg/kg	<513	<1030	<513	<513	1350	<513	<513	1350
BD-DSP-CBI-COMPOSITE-10	µg/kg	<491	<982	<491	<491	1680	<491	<491	1680
BD-DSP-CBI-COMPOSITE-11	µg/kg	<519	<1040	<519	<519	2040	<519	<519	2040
BD-DSP-CBI-COMPOSITE-12	µg/kg	<618	<1240	<618	<618	1630	<618	<618	1630
BD-DSP-CBI-COMPOSITE-13	µg/kg	<473	<946	<473	<473	2230	<473	<473	2230
BD-DSP-CBI-COMPOSITE-14	µg/kg	<491	<981	<491	<491	1360	<491	<491	1360
BD-DSP-CBI-COMPOSITE-15	µg/kg	<524	<1050	<524	<524	1780	<524	<524	1780
BD-DSP-CBI-COMPOSITE-16	µg/kg	<405	<810	<405	<405	<405	463	<405	463
BD-DSP-CBI-COMPOSITE-017	µg/kg	<519	<1040	<519	<519	<519	563	<519	563
BD-DSP-CBI-COMPOSITE-018	µg/kg	<436	<873	<436	<436	<436	658	<436	658
BD-DSP-CBI-COMPOSITE-019	µg/kg	<439	<878	<439	<439	<439	1150	<439	1150
BD-DSP-CBI-COMPOSITE-020	µg/kg	<411	<821	<411	<411	<411	<411	<411	<BRL
BD-DSP-CBI-COMPOSITE-021	µg/kg	<514	<1030	<514	<514	<514	<514	<514	<BRL
BD-DSP-CBI-COMPOSITE-022	µg/kg	<416	<833	<416	<416	2900	1320	<416	4220
BD-DSP-CBI-COMPOSITE-023	µg/kg	<434	<869	<434	<434	2230	636	<434	2866
BD-DSP-CBI-COMPOSITE-024	µg/kg	<563	<1130	<563	<563	1990	953	<563	2943
BD-DSP-CBI-COMPOSITE-025	µg/kg	<574	<1150	<574	<574	27100	15500	<574	42600
BD-DSP-CBI-COMPOSITE-25A	µg/kg	<503	<1010	<503	<503	8790	<503	911	9701
BD-DSP-CBI-COMPOSITE-25B	µg/kg	<488	<975	<488	<488	12600	<488	1200	13800
BD-DSP-CBI-COMPOSITE-026	µg/kg	<541	<1080	<541	<541	1970	<541	<541	1970
BD-DSP-CBI-COMPOSITE-027	µg/kg	<565	<1130	<565	<565	2220	727	<565	2947
BD-DSP-CBI-COMPOSITE-028	µg/kg	<528	<1060	<528	<528	1890	916	<528	2806
BD-DSP-CBI-COMPOSITE-029	µg/kg	<422	<845	<422	<422	1130	<422	<422	1130
BD-DSP-CBI-COMPOSITE-030	µg/kg	<575	<1150	<575	<575	2040	783	<575	2823
BD-DSP-CBI-COMPOSITE-030-2	µg/kg	<467	<934	<467	<467	4220	<467	<467	4220
BD-DSP-CBI-COMPOSITE-031	µg/kg	<460	<920	<460	<460	4460	1100	<460	5560
BD-DSP-CBI-COMPOSITE-032	µg/kg	<467	<934	<467	<467	4270	1100	<467	5370
BD-DSP-CBI-COMPOSITE-033	µg/kg	<427	<854	<427	<427	6100	1410	<427	7510
BD-DSP-CBI-COMPOSITE-033-2	µg/kg	<473	<946	<473	<473	6570	<473	586	7156
BD-DSP-CBI-COMPOSITE-034	µg/kg	<535	<1070	<535	<535	22900	<535	1240	24140
BD-DSP-CBI-COMPOSITE-34A	µg/kg	<516	<1030	<516	<516	13500	<516	540	14040
BD-DSP-CBI-COMPOSITE-035	µg/kg	<541	<1080	<541	<541	8580	<541	673	9253
BD-DSP-CBI-COMPOSITE-036	µg/kg	<477	<954	<477	<477	4270	<477	<477	4270

**Table 9**  
**Results of CBI Building Debris Stockpile Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
BD-DSP-CBI-COMPOSITE-036-2	µg/kg	<460	<920	<460	<460	4330	<460	<460	4330
BD-DSP-CBI-COMPOSITE-037	µg/kg	<541	<1080	<541	<541	3130	<541	<541	3130
BD-DSP-CBI-COMPOSITE-038	µg/kg	<565	<1130	<565	<565	2800	<565	<565	2800
BD-DSP-CBI-COMPOSITE-039	µg/kg	<501	<1000	<501	<501	3020	<501	<501	3020
BD-DSP-CBI-COMPOSITE-040	µg/kg	<530	<1060	<530	<530	2460	<530	<530	2460
BD-DSP-CBI-COMPOSITE-041	µg/kg	<5490	<11000	<5490	<5490	<5490	<5490	67100	67100
BD-DSP-CBI-COMPOSITE-042	µg/kg	<503	<1010	<503	<503	3530	<503	<503	3530
BD-DSP-CBI-COMPOSITE-043	µg/kg	<464	<928	<464	<464	4100	<464	<464	4100
BD-DSP-CBI-COMPOSITE-044	µg/kg	<527	<1050	<527	<527	3900	<527	<527	3900
BD-DSP-CBI-COMPOSITE-045	µg/kg	<520	<1040	<520	<520	3280	<520	<520	3280
BD-DSP-CBI-COMPOSITE-046	µg/kg	<527	<1050	<527	<527	3040	<527	<527	3040
BD-DSP-CBI-COMPOSITE-047	µg/kg	<542	<1080	<542	<542	4370	<542	<542	4370
BD-DSP-CBI-COMPOSITE-D047	µg/kg	<518	<1040	<518	<518	4540	<518	<518	4540
BD-DSP-CBI-COMPOSITE-048	µg/kg	<548	<1100	<548	<548	4960	<548	<548	4960
BD-DSP-CBI-COMPOSITE-D48	µg/kg	<532	<1060	<532	<532	5930	<532	<532	5930
BD-DSP-CBI-COMPOSITE-049	µg/kg	<550	<1100	<550	<550	3010	<550	<550	3010
BD-DSP-CBI-COMPOSITE-050	µg/kg	<503	<1010	<503	<503	2350	<503	<503	2350
BD-DSP-CBI-COMPOSITE-051	µg/kg	<546	<1090	<546	<546	2850	<546	<546	2850
BD-DSP-CBI-COMPOSITE-052	µg/kg	<521	<1040	<521	<521	2580	<521	<521	2580
BD-DSP-CBI-COMPOSITE-053	µg/kg	<415	<830	<415	<415	4990	<415	<415	4990
BD-DSP-CBI-COMPOSITE-054	µg/kg	<456	<911	<456	<456	5070	<456	<456	5070
BD-DSP-CBI-COMPOSITE-D54	µg/kg	<501	<1000	<501	<501	8300	<501	751	9051
BD-DSP-CBI-COMPOSITE-055	µg/kg	<446	<893	<446	<446	7440	<446	2160	9600
BD-DSP-CBI-COMPOSITE-056	µg/kg	<485	<970	<485	<485	6000	<485	485	6485
BD-DSP-CBI-COMPOSITE-057	µg/kg	<437	<874	<437	<437	4910	<437	<437	4910
BD-DSP-CBI-COMPOSITE-D57	µg/kg	<532	<1060	<532	<532	5380	<532	<532	5380
BD-DSP-CBI-COMPOSITE-058	µg/kg	<431	<862	<431	<431	4900	<431	<431	4900
BD-DSP-CBI-COMPOSITE-059	µg/kg	<475	<950	<475	<475	8820	<475	532	9352
BD-DSP-CBI-COMPOSITE-060	µg/kg	<456	<913	<456	<456	6650	<456	633	7283
BD-DSP-CBI-COMPOSITE-061	µg/kg	<506	<1010	<506	<506	4540	<506	<506	4540
BD-DSP-CBI-COMPOSITE-062	µg/kg	<503	<1010	<503	<503	2020	<503	<503	2020
BD-DSP-CBI-COMPOSITE-063	µg/kg	<520	<1040	<520	<520	4420	<520	<520	4420
BD-DSP-CBI-COMPOSITE-064	µg/kg	<486	<972	<486	<486	2920	<486	<486	2920
BD-DSP-CBI-COMPOSITE-065	µg/kg	<518	<1040	<518	<518	3180	<518	<518	3180
BD-DSP-CBI-COMPOSITE-066	µg/kg	<493	<987	<493	<493	5030	<493	<493	5030
BD-DSP-CBI-COMPOSITE-067	µg/kg	<393	<785	<393	<393	2030	<393	<393	2030
BD-DSP-CBI-COMPOSITE-068	µg/kg	<519	<1040	<519	<519	2550	<519	<519	2550
BD-DSP-CBI-COMPOSITE-069	µg/kg	<444	<888	<444	<444	3170	<444	<444	3170
BD-DSP-CBI-COMPOSITE-070	µg/kg	<496	<992	<496	<496	3580	<496	<496	3580
BD-DSP-CBI-COMPOSITE-071	µg/kg	<529	<1060	<529	<529	3520	<529	<529	3520
BD-DSP-CBI-COMPOSITE-072	µg/kg	<491	<983	<491	<491	3900	<491	<491	3900

**Table 9**  
**Results of CBI Building Debris Stockpile Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
BD-DSP-CBI-COMPOSITE-073	µg/kg	<461	<922	<461	<461	3910	<461	<461	3910
BD-DSP-CBI-COMPOSITE-074	µg/kg	<453	<905	<453	<453	2510	<453	928	3438
BD-DSP-CBI-COMPOSITE-075	µg/kg	<446	<892	<446	<446	3600	<446	<446	3600
BD-DSP-CBI-COMPOSITE-076	µg/kg	<503	<1010	<503	<503	3130	<503	<503	3130
BD-DSP-CBI-COMPOSITE-077	µg/kg	<499	<998	<499	<499	3340	<499	<499	3340
BD-DSP-CBI-COMPOSITE-078	µg/kg	<469	<939	<469	<469	3700	<469	<469	3700
BD-DSP-CBI-COMPOSITE-079	µg/kg	<452	<905	<452	<452	4390	<452	<452	4390
BD-DSP-CBI-COMPOSITE-080	µg/kg	<467	<935	<467	<467	3280	<467	<467	3280
BD-DSP-CBI-COMPOSITE-081	µg/kg	<511	<1020	<511	<511	4350	<511	<511	4350
BD-DSP-CBI-COMPOSITE-082	µg/kg	<547	<1090	<547	<547	2350	<547	<547	2350
BD-DSP-CBI-COMPOSITE-083	µg/kg	<447	<894	<447	<447	2350	<447	<447	2350
BD-DSP-CBI-COMPOSITE-084	µg/kg	<450	<901	<450	<450	2240	<450	<450	2240
BD-DSP-CBI-COMPOSITE-085	µg/kg	<521	<1040	<521	<521	1980	<521	<521	1980
BD-DSP-CBI-COMPOSITE-D085	µg/kg	<481	<963	<481	<481	2220	<481	897	3117
BD-DSP-CBI-COMPOSITE-086	µg/kg	<399	<798	<399	<399	2420	<399	<399	2420
BD-DSP-CBI-COMPOSITE-087	µg/kg	<500	<1000	<500	<500	2200	<500	<500	2200
BD-DSP-CBI-COMPOSITE-088	µg/kg	<500	<1000	<500	<500	3030	<500	<500	3030
BD-DSP-CBI-COMPOSITE-089	µg/kg	<467	<934	<467	<467	2590	<467	<467	2590
BD-DSP-CBI-COMPOSITE-090	µg/kg	<426	<852	<426	<426	3190	<426	<426	3190
BD-DSP-CBI-COMPOSITE-091	µg/kg	<483	<965	<483	<483	2930	<483	<483	2930
BD-DSP-CBI-COMPOSITE-092	µg/kg	<450	<900	<450	<450	2250	<450	<450	2250
BD-DSP-CBI-COMPOSITE-093	µg/kg	<502	<1000	<502	<502	2180	<502	<502	2180
BD-DSP-CBI-COMPOSITE-094	µg/kg	<417	<833	<417	<417	3790	<417	<417	3790
BD-DSP-CBI-COMPOSITE-095	µg/kg	<456	<912	<456	<456	3030	<456	<456	3030
BD-DSP-CBI-COMPOSITE-096	µg/kg	<496	<991	<496	<496	3290	<496	<496	3290
BD-DSP-CBI-COMPOSITE-097	µg/kg	<426	<852	<426	<426	4220	<426	767	4987
BD-DSP-CBI-COMPOSITE-098	µg/kg	<406	<813	<406	<406	5080	<406	512	5592
BD-DSP-CBI-COMPOSITE-099	µg/kg	<501	<1000	<501	<501	4690	<501	<501	4690
BD-DSP-CBI-COMPOSITE-100	µg/kg	<435	<870	<435	<435	5840	<435	575	6415
BD-DSP-CBI-COMPOSITE-101	µg/kg	<437	<875	<437	<437	6490	<437	626	7116
BD-DSP-CBI-COMPOSITE-102	µg/kg	<495	<991	<495	<495	8470	<495	733	9203
BD-DSP-CBI-COMPOSITE-103	µg/kg	<539	<1080	<539	<539	10600	<539	1220	11820
BD-DSP-CBI-COMPOSITE-104	µg/kg	<527	<1050	<527	<527	5680	<527	726	6406
BD-DSP-CBI-COMPOSITE-105	µg/kg	<534	<1070	<534	<534	5150	<534	650	5800
BD-DSP-CBI-COMPOSITE-106	µg/kg	<496	<991	<496	<496	6940	<496	1640	8580
BD-DSP-CBI-COMPOSITE-107	µg/kg	<529	<1060	<529	<529	4660	<529	1700	6360
BD-DSP-CBI-COMPOSITE-D107	µg/kg	<538	<1080	<538	<538	4160	<538	1350	5510
BD-DSP-CBI-COMPOSITE-108	µg/kg	<483	<966	<483	<483	5190	<483	583	5773
BD-DSP-CBI-COMPOSITE-109	µg/kg	<482	<963	<482	<482	4260	<482	1950	6210
BD-DSP-CBI-COMPOSITE-D109	µg/kg	<555	<1110	<555	<555	5480	<555	3670	9150
BD-DSP-CBI-COMPOSITE-110	µg/kg	<521	<1040	<521	<521	5760	<521	662	6422



**Table 9**  
**Results of CBI Building Debris Stockpile Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
BD-DSP-CBI-COMPOSITE-111	µg/kg	<501	<1000	<501	<501	5490	<501	1680	7170
BD-DSP-CBI-COMPOSITE-112	µg/kg	<504	<1010	<504	<504	4750	<504	1910	6660
BD-DSP-CBI-COMPOSITE-113	µg/kg	<516	<1030	<516	<516	5610	<516	1700	7310
BD-DSP-CBI-COMPOSITE-114	µg/kg	<513	<1030	<513	<513	9080	<513	814	9894
BD-DSP-CBI-COMPOSITE-115	µg/kg	<542	<1080	<542	<542	10400	<542	964	11364
BD-DSP-CBI-COMPOSITE-116	µg/kg	<455	<909	<455	<455	6640	<455	821	7461
BD-DSP-CBI-COMPOSITE-117	µg/kg	<553	<1110	<553	<553	5600	<553	915	6515
BD-DSP-CBI-COMPOSITE-118	µg/kg	<483	<965	<483	<483	5850	<483	<483	5850
BD-DSP-CBI-COMPOSITE-119	µg/kg	<444	<888	<444	<444	5520	<444	1510	7030
BD-DSP-CBI-COMPOSITE-120	µg/kg	<538	<1080	<538	<538	5570	<538	778	6348
BD-DSP-CBI-COMPOSITE-121	µg/kg	<448	<896	<448	<448	4400	<448	1420	5820
BD-DSP-CBI-COMPOSITE-D121	µg/kg	<475	<950	<475	<475	6020	<475	1280	7300
BD-DSP-CBI-COMPOSITE-122	µg/kg	<469	<939	<469	<469	6210	<469	1260	7470
BD-DSP-CBI-COMPOSITE-123	µg/kg	<521	<1040	<521	<521	4730	<521	850	5580
BD-DSP-CBI-COMPOSITE-124	µg/kg	<419	<837	<419	<419	7240	<419	806	8046
BD-DSP-CBI-COMPOSITE-125	µg/kg	<468	<936	<468	<468	5740	<468	1020	6760
BD-DSP-CBI-COMPOSITE-126	µg/kg	<509	<1020	<509	<509	5850	<509	<509	5850
BD-DSP-CBI-COMPOSITE-127	µg/kg	<439	<879	<439	<439	3280	<439	<439	3280
BD-DSP-CBI-COMPOSITE-128	µg/kg	<484	<969	<484	<484	5120	<484	<484	5120
BD-DSP-CBI-COMPOSITE-129	µg/kg	<456	<911	<456	<456	6570	<456	<456	6570
BD-DSP-CBI-COMPOSITE-130	µg/kg	<512	<1020	<512	<512	4910	<512	<512	4910
BD-DSP-CBI-COMPOSITE-131	µg/kg	<536	<1070	<536	<536	4050	<536	<536	4050
BD-DSP-CBI-COMPOSITE-132	µg/kg	<443	<887	<443	<443	5370	<443	<443	5370
BD-DSP-CBI-COMPOSITE-133	µg/kg	<462	<924	<462	<462	6430	<462	<462	6430
BD-DSP-CBI-COMPOSITE-134	µg/kg	<514	<1030	<514	<514	5840	<514	<514	5840
BD-DSP-CBI-COMPOSITE-135	µg/kg	<405	<810	<405	<405	4570	<405	551	5121
BD-DSP-CBI-COMPOSITE-136	µg/kg	<448	<896	<448	<448	4260	<448	570	4830
BD-DSP-CBI-COMPOSITE-137	µg/kg	<485	<970	<485	<485	4270	<485	524	4794
BD-DSP-CBI-COMPOSITE-138	µg/kg	<470	<940	<470	<470	5540	<470	1770	7310
BD-DSP-CBI-COMPOSITE-139	µg/kg	<485	<969	<485	<485	7460	<485	2130	9590
BD-DSP-CBI-COMPOSITE-140	µg/kg	<448	<896	<448	<448	5200	<448	1520	6720
BD-DSP-CBI-COMPOSITE-141	µg/kg	<451	<902	<451	<451	4880	<451	991	5871
BD-DSP-CBI-COMPOSITE-142	µg/kg	<425	<850	<425	<425	5710	<425	981	6691
BD-DSP-CBI-COMPOSITE-143	µg/kg	<441	<881	<441	<441	4920	<441	606	5526
BD-DSP-CBI-COMPOSITE-144	µg/kg	<435	<870	<435	<435	4850	<435	1050	5900
BD-DSP-CBI-COMPOSITE-145	µg/kg	<426	<852	<426	<426	5270	<426	665	5935
BD-DSP-CBI-COMPOSITE-146	µg/kg	<488	<977	<488	<488	6050	<488	801	6851
BD-DSP-CBI-COMPOSITE-147	µg/kg	<416	<831	<416	<416	4580	<416	1070	5650
BD-DSP-CBI-COMPOSITE-148	µg/kg	<424	<849	<424	<424	5050	<424	<424	5050
BD-DSP-CBI-COMPOSITE-149	µg/kg	<398	<795	<398	<398	4650	<398	<398	4650
BD-DSP-CBI-COMPOSITE-150	µg/kg	<479	<958	<479	<479	5090	<479	<479	5090



**Table 9**  
**Results of CBI Building Debris Stockpile Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
BD-DSP-CBI-COMPOSITE-151	µg/kg	<469	<938	<469	<469	7030	<469	<469	7030
BD-DSP-CBI-COMPOSITE-152	µg/kg	<864	<1730	<864	<864	10000	<864	<864	10000
BD-DSP-CBI-COMPOSITE-153	µg/kg	<396	<792	<396	<396	5640	<396	<396	5640
BD-DSP-CBI-COMPOSITE-154	µg/kg	<428	<856	<428	<428	6500	<428	<428	6500
BD-DSP-CBI-COMPOSITE-155	µg/kg	<420	<839	<420	<420	8180	<420	<420	8180
BD-DSP-CBI-COMPOSITE-156	µg/kg	<436	<871	<436	<436	2560	<436	<436	2560
BD-DSP-CBI-COMPOSITE-157	µg/kg	<426	<852	<426	<426	2340	<426	<426	2340
BD-DSP-CBI-COMPOSITE-158	µg/kg	<407	<814	<407	<407	3090	<407	<407	3090
BD-DSP-CBI-COMPOSITE-159	µg/kg	<450	<901	<450	<450	3080	<450	<450	3080
BD-DSP-CBI-COMPOSITE-160	µg/kg	<439	<879	<439	<439	2900	<439	<439	2900
BD-DSP-CBI-COMPOSITE-161	µg/kg	<396	<792	<396	<396	3250	<396	<396	3250
BD-DSP-CBI-COMPOSITE-162	µg/kg	<460	<920	<460	<460	5230	<460	<460	5230
BD-DSP-CBI-COMPOSITE-163	µg/kg	<503	<1010	<503	<503	4200	<503	<503	4200
BD-DSP-CBI-COMPOSITE-164	µg/kg	<466	<932	<466	<466	2710	<466	<466	2710
BD-DSP-CBI-COMPOSITE-165	µg/kg	<485	<970	<485	<485	3420	<485	<485	3420
BD-DSP-CBI-COMPOSITE-166	µg/kg	<450	<900	<450	<450	9000	<450	<450	9000
BD-DSP-CBI-COMPOSITE-167	µg/kg	<501	<1000	<501	<501	2050	<501	<501	2050
BD-DSP-CBI-COMPOSITE-D167	µg/kg	<513	<1030	<513	<513	3690	<513	<513	3690
BD-DSP-CBI-COMPOSITE-168	µg/kg	<498	<996	<498	<498	5590	<498	891	6481
BD-DSP-CBI-COMPOSITE-169	µg/kg	<513	<1030	<513	<513	7180	<513	1170	8350
BD-DSP-CBI-COMPOSITE-170	µg/kg	<421	<842	<421	<421	6290	<421	1320	7610
BD-DSP-CBI-COMPOSITE-171	µg/kg	<451	<903	<451	<451	5940	<451	1130	7070
BD-DSP-CBI-COMPOSITE-172	µg/kg	<454	<909	<454	<454	4990	<454	684	5674
BD-DSP-CBI-COMPOSITE-173	µg/kg	<447	<894	<447	<447	4720	<447	1460	6180
BD-DSP-CBI-COMPOSITE-174	µg/kg	<524	<1050	<524	<524	5440	<524	612	6052
BD-DSP-CBI-COMPOSITE-175	µg/kg	<467	<935	<467	<467	5480	<467	1070	6550
BD-DSP-CBI-COMPOSITE-176	µg/kg	<488	<975	<488	<488	6550	<488	1190	7740
BD-DSP-CBI-COMPOSITE-177	µg/kg	<490	<980	<490	<490	5220	<490	1710	6930
BD-DSP-CBI-COMPOSITE-178	µg/kg	<1000	<2010	<1000	<1000	12200	<1000	1420	13620
BD-DSP-CBI-COMPOSITE-179	µg/kg	<379	<758	<379	<379	4830	<379	932	5762
BD-DSP-CBI-COMPOSITE-180	µg/kg	<529	<1060	<529	<529	5970	<529	1150	7120
BD-DSP-CBI-COMPOSITE-181	µg/kg	<465	<930	<465	<465	6850	<465	744	7594
BD-DSP-CBI-COMPOSITE-182	µg/kg	<495	<990	<495	<495	5320	<495	915	6235
BD-DSP-CBI-COMPOSITE-183	µg/kg	<498	<996	<498	<498	3940	<498	640	4580
BD-DSP-CBI-COMPOSITE-184	µg/kg	<478	<955	<478	<478	5580	<478	1800	7380
BD-DSP-CBI-COMPOSITE-185	µg/kg	<476	<952	<476	<476	3330	<476	601	3931
BD-DSP-CBI-COMPOSITE-186	µg/kg	<499	<998	<499	<499	4750	<499	2990	7740
BD-DSP-CBI-COMPOSITE-187	µg/kg	<504	<1010	<504	<504	5870	<504	2190	8060
BD-DSP-CBI-COMPOSITE-188	µg/kg	<392	<784	<392	<392	4120	<392	1310	5430
BD-DSP-CBI-COMPOSITE-D188	µg/kg	<492	<985	<492	<492	4140	<492	1100	5240
BD-DSP-CBI-COMPOSITE-189	µg/kg	<530	<1060	<530	<530	3260	<530	748	4008

**Table 9**  
**Results of CBI Building Debris Stockpile Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
BD-DSP-CBI-COMPOSITE-190	µg/kg	<516	<1030	<516	<516	4830	<516	1580	6410
BD-DSP-CBI-COMPOSITE-191	µg/kg	<443	<886	<443	<443	7770	<443	1330	9100
BD-DSP-CBI-COMPOSITE-192	µg/kg	<439	<878	<439	<439	4890	<439	2080	6970
BD-DSP-CBI-COMPOSITE-193	µg/kg	<408	<816	<408	<408	4600	<408	1590	6190
BD-DSP-CBI-COMPOSITE-194	µg/kg	<407	<814	<407	<407	5500	<407	1420	6920
BD-DSP-CBI-COMPOSITE-195	µg/kg	<426	<852	<426	<426	4650	<426	1180	5830
BD-DSP-CBI-COMPOSITE-196	µg/kg	<558	<1120	<558	<558	5990	<558	3530	9520
BD-DSP-CBI-COMPOSITE-197	µg/kg	<550	<1100	<550	<550	5200	<550	1030	6230
BD-DSP-CBI-COMPOSITE-198	µg/kg	<537	<1070	<537	<537	5470	<537	2010	7480
BD-DSP-CBI-COMPOSITE-199	µg/kg	<526	<1050	<526	<526	7450	<526	1960	9410
BD-DSP-CBI-COMPOSITE-200	µg/kg	<506	<1010	<506	<506	4840	<506	583	5423
BD-DSP-CBI-COMPOSITE-201	µg/kg	<439	<879	<439	<439	4720	<439	688	5408
BD-DSP-CBI-COMPOSITE-202	µg/kg	<552	<1100	<552	<552	2740	<552	<552	2740
BD-DSP-CBI-COMPOSITE-203	µg/kg	<394	<787	<394	<394	6890	<394	830	7720
BD-DSP-CBI-COMPOSITE-204	µg/kg	<397	<793	<397	<397	3370	<397	777	4147
BD-DSP-CBI-COMPOSITE-205	µg/kg	<554	<1110	<554	<554	4900	<554	1060	5960
BD-DSP-CBI-COMPOSITE-206	µg/kg	<403	<806	<403	<403	4010	<403	646	4656
BD-DSP-CBI-COMPOSITE-207	µg/kg	<497	<994	<497	<497	8560	<497	811	9371
BD-DSP-CBI-COMPOSITE-208	µg/kg	<534	<1070	<534	<534	5030	<534	2930	7960
BD-DSP-CBI-COMPOSITE-209	µg/kg	<467	<935	<467	<467	5990	<467	2650	8640
BD-DSP-CBI-COMPOSITE-210	µg/kg	<530	<1060	<530	<530	2860	<530	687	3547
BD-DSP-COMPOSITE-211	µg/kg	<503	<1010	<503	<503	4100	<503	1600	5700
BD-DSP-COMPOSITE-212	µg/kg	<408	<816	<408	<408	4970	<408	8960	13930
BD-DSP-COMPOSITE-213	µg/kg	<459	<917	<459	<459	4510	<459	2030	6540
BD-DSP-COMPOSITE-214	µg/kg	<531	<1060	<531	<531	4180	<531	610	4790
BD-DSP-COMPOSITE-215	µg/kg	<422	<844	<422	<422	4580	<422	739	5319
BD-DSP-COMPOSITE-216	µg/kg	<524	<1050	<524	<524	2970	<524	<524	2970
BD-DSP-COMPOSITE-217	µg/kg	<463	<927	<463	<463	3150	<463	3230	6380
BD-DSP-COMPOSITE-218	µg/kg	<457	<913	<457	<457	2030	<457	687	2717
BD-DSP-COMPOSITE-219	µg/kg	<492	<984	<492	<492	4670	<492	1100	5770
BD-DSP-COMPOSITE-220	µg/kg	<525	<1050	<525	<525	6340	<525	6790	13130
BD-DSP-COMPOSITE-221	µg/kg	<459	<919	<459	<459	4800	<459	1510	6310
BD-DSP-COMPOSITE-D221	µg/kg	<521	<1040	<521	<521	5170	<521	1390	6560
BD-DSP-CBI-COMPOSITE-222	µg/kg	<531	<1060	<531	<531	4830	<531	919	5749
BD-DSP-CBI-COMPOSITE-D222	µg/kg	<449	<898	<449	<449	5410	<449	1140	6550
BD-DSP-CBI-COMPOSITE-223	µg/kg	<516	<1030	<516	<516	6140	<516	1290	7430
BD-DSP-CBI-COMPOSITE-224	µg/kg	<515	<1030	<515	<515	5760	<515	<515	5760
BD-DSP-CBI-COMPOSITE-225	µg/kg	<432	<863	<432	<432	17700	<432	847	18547
BD-DSP-CBI-COMPOSITE-226	µg/kg	<422	<844	<422	<422	14500	<422	756	15256
BD-DSP-CBI-COMPOSITE-227	µg/kg	<519	<1040	<519	<519	8140	<519	554	8694
BD-DSP-CBI-COMPOSITE-228	µg/kg	<374	<747	<374	<374	15800	<374	716	16516

**Table 9**  
**Results of CBI Building Debris Stockpile Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
BD-DSP-CBI-COMPOSITE-229	µg/kg	<535	<1070	<535	<535	32600	<535	1240	33840
BD-DSP-CBI-COMPOSITE-230	µg/kg	<490	<980	<490	<490	20900	<490	1010	21910
BD-DSP-CBI-COMPOSITE-231	µg/kg	<474	<948	<474	<474	16300	<474	886	17186
BD-DSP-CBI-COMPOSITE-232	µg/kg	<473	<946	<473	<473	41500	<473	1360	42860
BD-DSP-CBI-COMPOSITE-233	µg/kg	<381	<762	<381	<381	9240	<381	542	9782
BD-DSP-CBI-COMPOSITE-234	µg/kg	<391	<781	<391	<391	14200	<391	742	14942
BD-DSP-CBI-COMPOSITE-235	µg/kg	<465	<930	<465	<465	8480	<465	586	9066
BD-DSP-CBI-COMPOSITE-236	µg/kg	<452	<905	<452	<452	12300	<452	664	12964
BD-DSP-CBI-COMPOSITE-237	µg/kg	<456	<911	<456	<456	23200	<456	981	24181
BD-DSP-CBI-COMPOSITE-238	µg/kg	<437	<873	<437	<437	32200	<437	1540	33740
BD-DSP-CBI-COMPOSITE-239	µg/kg	<551	<1100	<551	<551	36100	<551	1390	37490
BD-DSP-CBI-COMPOSITE-240	µg/kg	<510	<1020	<510	<510	66400	<510	2290	68690
BD-DSP-CBI-COMPOSITE-241	µg/kg	<417	<834	<417	<417	59200	<417	1890	61090
BD-DSP-CBI-COMPOSITE-242	µg/kg	<453	<905	<453	<453	50800	<453	1680	52480
BD-DSP-CBI-COMPOSITE-243	µg/kg	<390	<781	<390	<390	17200	<390	745	17945
BD-DSP-CBI-COMPOSITE-244	µg/kg	<508	<1020	<508	<508	22000	<508	986	22986
BD-DSP-CBI-COMPOSITE-245	µg/kg	<448	<895	<448	<448	156000	<448	3930	159930
BD-DSP-CBI-COMPOSITE-246	µg/kg	<504	<1010	<504	<504	75300	<504	2420	77720
BD-DSP-CBI-COMPOSITE-247	µg/kg	<2630	<5250	<2630	<2630	18700	<2630	<2630	18700
BD-DSP-CBI-COMPOSITE-248	µg/kg	<2340	<4670	<2340	<2340	4040	<2340	<2340	4040
BD-DSP-CBI-COMPOSITE-249	µg/kg	<2030	<4070	<2030	<2030	12600	<2030	<2030	12600
BD-DSP-CBI-COMPOSITE-250	µg/kg	<2320	<4650	<2320	<2320	16400	<2320	1620	18020
BD-DSP-CBI-COMPOSITE-D250	µg/kg	<2270	<4540	<2270	<2270	10500	<2270	<2270	10500
BD-DSP-CBI-COMPOSITE-251	µg/kg	<2220	<4450	<2220	<2220	5610	<2220	<2220	5610
BD-DSP-CBI-COMPOSITE-252	µg/kg	<1990	<3990	<1990	<1990	8210	<1990	<1990	8210
BD-DSP-CBI-COMPOSITE-253	µg/kg	<2570	<5150	<2570	<2570	3640	<2570	<2570	3640
BD-DSP-CBI-COMPOSITE-254	µg/kg	<2190	<4380	<2190	<2190	5770	<2190	<2190	5770
BD-DSP-CBI-COMPOSITE-255	µg/kg	<429	<858	<429	<429	4790	<429	356	5146
BD-DSP-CBI-COMPOSITE-256	µg/kg	<455	<909	<455	<455	4500	<455	422	4922
BD-DSP-CBI-COMPOSITE-257	µg/kg	<385	<770	<385	<385	5060	<385	436	5496
BD-DSP-CBI-COMPOSITE-258	µg/kg	<4140	<8280	<4140	<4140	18100	<4140	<4140	18100
BD-DSP-CBI-COMPOSITE-259	µg/kg	<4660	<9310	<4660	<4660	14200	<4660	<4660	14200
BD-DSP-CBI-COMPOSITE-260	µg/kg	<4820	<9640	<4820	<4820	19800	<4820	<4820	19800
BD-DSP-CBI-COMPOSITE-261	µg/kg	<5020	<10000	<5020	<5020	17900	<5020	<5020	17900
BD-DSP-CBI-COMPOSITE-262	µg/kg	<2200	<4390	<2200	<2200	9860	<2200	<2200	9860
BD-DSP-CBI-COMPOSITE-263	µg/kg	<4560	<9110	<4560	<4560	23500	<4560	<4560	23500
BD-DSP-CBI-COMPOSITE-264	µg/kg	<505	<1010	<505	<505	4230	<505	344	4574
BD-DSP-CBI-COMPOSITE-265	µg/kg	<500	<1000	<500	<500	3630	<500	392	4022
BD-DSP-CBI-COMPOSITE-266	µg/kg	<483	<965	<483	<483	6690	<483	538	7228
BD-DSP-CBI-COMPOSITE-267	µg/kg	<2440	<4880	<2440	<2440	11200	<2440	<2440	11200
BD-DSP-CBI-COMPOSITE-268	µg/kg	<2260	<4530	<2260	<2260	18300	<2260	<2260	18300

**Table 9**  
**Results of CBI Building Debris Stockpile Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
BD-DSP-CBI-COMPOSITE-269	µg/kg	<2400	<4810	<2400	<2400	7930	<2400	<2400	7930
BD-DSP-CBI-COMPOSITE-270	µg/kg	<1890	<3790	<1890	<1890	23400	<1890	1220	24620
BD-DSP-CBI-COMPOSITE-D270	µg/kg	<2590	<5180	<2590	<2590	21500	<2590	<2590	21500
BD-DSP-CBI-COMPOSITE-271	µg/kg	<2540	<5090	<2540	<2540	14000	<2540	<2540	14000
BD-DSP-CBI-COMPOSITE-272	µg/kg	<1880	<3750	<1880	<1880	3900	<1880	<1880	3900
BD-DSP-CBI-COMPOSITE-273	µg/kg	<2050	<4100	<2050	<2050	18500	<2050	1140	19640
BD-DSP-CBI-COMPOSITE-274	µg/kg	<2280	<4570	<2280	<2280	4150	<2280	<2280	4150
BD-DSP-CBI-COMPOSITE-275	µg/kg	<542	<1080	<542	<542	1600	<542	<542	1600
BD-DSP-CBI-COMPOSITE-276	µg/kg	<2230	<4460	<2230	<2230	8640	<2230	<2230	8640
BD-DSP-CBI-COMPOSITE-277	µg/kg	<2310	<4630	<2310	<2310	30400	<2310	1640	32040
BD-DSP-CBI-COMPOSITE-278	µg/kg	<2020	<4040	<2020	<2020	9190	<2020	1140	10330
BD-DSP-CBI-COMPOSITE-279	µg/kg	<2700	<5410	<2700	<2700	12000	<2700	<2700	12000
BD-DSP-CBI-COMPOSITE-280	µg/kg	<2530	<5060	<2530	<2530	11300	<2530	<2530	11300
BD-DSP-CBI-COMPOSITE-281	µg/kg	<2380	<4760	<2380	<2380	8880	<2380	3190	12070
BD-DSP-CBI-COMPOSITE-282	µg/kg	<2020	<4040	<2020	<2020	10100	<2020	<2020	10100
BD-DSP-CBI-COMPOSITE-283	µg/kg	<2590	<5180	<2590	<2590	9870	<2590	<2590	9870
BD-DSP-CBI-COMPOSITE-284	µg/kg	<2000	<4000	<2000	<2000	10200	<2000	<2000	10200
BD-DSP-CBI-COMPOSITE-285	µg/kg	<2120	<4230	<2120	<2120	13300	<2120	1260	14560
BD-DSP-CBI-COMPOSITE-286	µg/kg	<2430	<4850	<2430	<2430	19100	<2430	1230	20330
BD-DSP-CBI-COMPOSITE-287	µg/kg	<2590	<5190	<2590	<2590	10100	<2590	<2590	10100
BD-DSP-CBI-COMPOSITE-288	µg/kg	<2550	<5100	<2550	<2550	7640	<2550	<2550	7640
BD-DSP-CBI-COMPOSITE-289	µg/kg	<2300	<4600	<2300	<2300	6300	<2300	<2300	6300
BD-DSP-CBI-COMPOSITE-290	µg/kg	<2470	<4940	<2470	<2470	6040	<2470	<2470	6040
BD-DSP-CBI-COMPOSITE-291	µg/kg	<2410	<4830	<2410	<2410	7150	<2410	<2410	7150
BD-DSP-CBI-COMPOSITE-D291	µg/kg	<2370	<4740	<2370	<2370	9680	<2370	<2370	9680
BD-DSP-CBI-COMPOSITE-292	µg/kg	<2340	<4670	<2340	<2340	8720	<2340	<2340	8720
BD-DSP-CBI-COMPOSITE-293	µg/kg	<2260	<4520	<2260	<2260	14000	<2260	<2260	14000
BD-DSP-CBI-COMPOSITE-294	µg/kg	<2280	<4560	<2280	<2280	11700	<2280	1190	12890
BD-DSP-CBI-COMPOSITE-295	µg/kg	<2160	<4330	<2160	<2160	18700	<2160	1270	19970
BD-DSP-CBI-COMPOSITE-296	µg/kg	<2290	<4570	<2290	<2290	7510	<2290	1460	8970
BD-DSP-CBI-COMPOSITE-297	µg/kg	<2210	<4420	<2210	<2210	31000	<2210	<2210	31000
BD-DSP-CBI-COMPOSITE-298	µg/kg	<1880	<3750	<1880	<1880	6790	<1880	<1880	6790
BD-DSP-CBI-COMPOSITE-D298	µg/kg	<2110	<4210	<2110	<2110	9810	<2110	<2110	9810
BD-DSP-CBI-COMPOSITE-298-2	µg/kg	<485	<970	<485	<485	<485	<485	<485	<BRL
BD-DSP-CBI-COMPOSITE-299	µg/kg	<1960	<3910	<1960	<1960	5940	<1960	<1960	5940
BD-DSP-CBI-COMPOSITE-300	µg/kg	<2430	<4850	<2430	<2430	6830	<2430	<2430	6830
BD-DSP-CBI-COMPOSITE-301	µg/kg	<456	<912	<456	<456	3570	<456	<456	3570
BD-DSP-CBI-COMPOSITE-302	µg/kg	<463	<926	<463	<463	3900	<463	<463	3900
BD-DSP-CBI-COMPOSITE-303	µg/kg	<384	<769	<384	<384	3140	<384	<384	3140
BD-DSP-CBI-COMPOSITE-304	µg/kg	<486	<972	<486	<486	4570	<486	<486	4570
BD-DSP-CBI-COMPOSITE-305	µg/kg	<448	<895	<448	<448	4150	<448	<448	4150

**Table 9**  
**Results of CBI Building Debris Stockpile Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
BD-DSP-CBI-COMPOSITE-306	µg/kg	<2570	<5140	<2570	<2570	46600	<2570	<2570	46600
BD-DSP-CBI-COMPOSITE-307	µg/kg	<2870	<5730	<2870	<2870	27300	<2870	<2870	27300
BD-DSP-CBI-COMPOSITE-308	µg/kg	<2800	<5590	<2800	<2800	29600	<2800	<2800	29600
BD-DSP-CBI-COMPOSITE-D308	µg/kg	<2420	<4830	<2420	<2420	42400	<2420	<2420	42400
BD-DSP-CBI-COMPOSITE-308-2	µg/kg	<2670	<5350	<2670	<2670	30600	<2670	<2670	30600
BD-DSP-CBI-COMPOSITE-309	µg/kg	<2400	<4810	<2400	<2400	25600	<2400	<2400	25600
BD-DSP-CBI-COMPOSITE-310	µg/kg	<2340	<4680	<2340	<2340	26100	<2340	<2340	26100
BD-DSP-CBI-COMPOSITE-311	µg/kg	<2820	<5640	<2820	<2820	30400	<2820	<2820	30400
BD-DSP-CBI-COMPOSITE-312	µg/kg	<2750	<5490	<2750	<2750	16900	<2750	<2750	16900
BD-DSP-CBI-COMPOSITE-313	µg/kg	<2520	<5040	<2520	<2520	22900	<2520	<2520	22900
BD-DSP-CBI-COMPOSITE-314	µg/kg	<2480	<4960	<2480	<2480	23900	<2480	<2480	23900
BD-DSP-CBI-COMPOSITE-315	µg/kg	<2270	<4530	<2270	<2270	39300	<2270	<2270	39300
BD-DSP-CBI-COMPOSITE-316	µg/kg	<2480	<4960	<2480	<2480	32400	<2480	<2480	32400
BD-DSP-CBI-COMPOSITE-317	µg/kg	<2670	<5350	<2670	<2670	47300	<2670	<2670	47300
BD-DSP-CBI-COMPOSITE-318	µg/kg	<2410	<4830	<2410	<2410	20700	<2410	<2410	20700
BD-DSP-CBI-COMPOSITE-319	µg/kg	<2540	<5090	<2540	<2540	17500	<2540	<2540	17500
BD-DSP-CBI-COMPOSITE-319-2	µg/kg	<2570	<5130	<2570	<2570	41000	<2570	<2570	41000
BD-DSP-CBI-COMPOSITE-320	µg/kg	<2540	<5080	<2540	<2540	17000	<2540	<2540	17000
BD-DSP-CBI-COMPOSITE-320-2	µg/kg	<2560	<5130	<2560	<2560	19700	<2560	<2560	19700
BD-DSP-CBI-COMPOSITE-321	µg/kg	<3710	<7420	<3710	<3710	14600	<3710	12100	26700
BD-DSP-CBI-COMPOSITE-322	µg/kg	<3660	<7320	<3660	<3660	23400	<3660	4990	28390
BD-DSP-CBI-COMPOSITE-323	µg/kg	<390	<779	<390	<390	5220	<390	406	5626
BD-DSP-CBI-COMPOSITE-324	µg/kg	<525	<1050	<525	<525	6700	<525	<525	6700
BD-DSP-CBI-COMPOSITE-325	µg/kg	<400	<799	<400	<400	7570	<400	472	8042
BD-DSP-CBI-COMPOSITE-D325	µg/kg	<486	<972	<486	<486	5420	<486	<486	5420
BD-DSP-CBI-COMPOSITE-326	µg/kg	<477	<954	<477	<477	5250	<477	<477	5250
BD-DSP-CBI-COMPOSITE-327	µg/kg	<392	<783	<392	<392	21400	<392	1690	23090
BD-DSP-CBI-COMPOSITE-328	µg/kg	<499	<998	<499	<499	994	<499	<499	994
BD-DSP-CBI-COMPOSITE-329	µg/kg	<482	<963	<482	<482	8810	<482	520	9330
BD-DSP-CBI-COMPOSITE-330	µg/kg	<483	<966	<483	<483	1420	<483	<483	1420
BD-DSP-CBI-COMPOSITE-331	µg/kg	<477	<955	<477	<477	4570	<477	<477	4570
BD-DSP-CBI-COMPOSITE-D331	µg/kg	<519	<1040	<519	<519	4820	<519	<519	4820
BD-DSP-CBI-COMPOSITE-332	µg/kg	<544	<1090	<544	<544	2570	<544	<544	2570
BD-DSP-CBI-COMPOSITE-333	µg/kg	<486	<972	<486	<486	2090	<486	<486	2090
BD-DSP-CBI-COMPOSITE-334	µg/kg	<490	<981	<490	<490	2910	<490	<490	2910
BD-DSP-CBI-COMPOSITE-335	µg/kg	<537	<1070	<537	<537	2250	<537	<537	2250
BD-DSP-CBI-COMPOSITE-336	µg/kg	<11600	<23200	<11600	<11600	82500	<11600	<11600	82500
BD-DSP-CBI-COMPOSITE-D336	µg/kg	<4700	<9410	<4700	<4700	43200	<4700	<4700	43200
BD-DSP-CBI-COMPOSITE-337	µg/kg	<568	<1140	<568	<568	6410	<568	998	7408
BD-DSP-CBI-COMPOSITE-338	µg/kg	<494	<988	<494	<494	5490	<494	609	6099
BD-DSP-CBI-COMPOSITE-339	µg/kg	<541	<1080	<541	<541	7080	<541	705	7785



**Table 9**  
**Results of CBI Building Debris Stockpile Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
BD-DSP-CBI-COMPOSITE-340	µg/kg	<446	<892	<446	<446	4350	<446	589	4939
BD-DSP-CBI-COMPOSITE-341	µg/kg	<561	<1120	<561	<561	5640	<561	618	6258
BD-DSP-CBI-COMPOSITE-342	µg/kg	<484	<967	<484	<484	3920	<484	791	4711
BD-DSP-CBI-COMPOSITE-343	µg/kg	<531	<1060	<531	<531	8970	<531	755	9725
BD-DSP-CBI-COMPOSITE-344	µg/kg	<553	<1110	<553	<553	5730	<553	<553	5730
BD-DSP-CBI-COMPOSITE-345	µg/kg	<2810	<5620	<2810	<2810	14200	<2810	<2810	14200
BD-DSP-CBI-COMPOSITE-346	µg/kg	<462	<924	<462	<462	7940	<462	698	8638
BD-DSP-CBI-COMPOSITE-D346	µg/kg	<566	<1130	<566	<566	8190	<566	798	8988
BD-DSP-CBI-COMPOSITE-347	µg/kg	<546	<1090	<546	<546	7540	<546	874	8414
BD-DSP-CBI-COMPOSITE-348	µg/kg	<536	<1070	<536	<536	6190	<536	576	6766
BD-DSP-CBI-COMPOSITE-D348	µg/kg	<480	<961	<480	<480	7770	<480	707	8477
BD-DSP-CBI-COMPOSITE-349	µg/kg	<598	<1200	<598	<598	6460	<598	871	7331
BD-DSP-CBI-COMPOSITE-350	µg/kg	<2990	<5980	<2990	<2990	18100	<2990	3010	21110
BD-DSP-CBI-COMPOSITE-351	µg/kg	<5510	<11000	<5510	<5510	36800	<5510	<5510	36800
BD-DSP-CBI-COMPOSITE-352	µg/kg	<1130	<2260	<1130	<1130	15300	<1130	1630	16930
BD-DSP-CBI-COMPOSITE-353	µg/kg	<515	<1030	<515	<515	8170	<515	1440	9610
BD-DSP-CBI-COMPOSITE-354	µg/kg	<2920	<5840	<2920	<2920	25300	<2920	3390	28690
BD-DSP-CBI-COMPOSITE-355	µg/kg	<2720	<5430	<2720	<2720	16300	<2720	4250	20550
BD-DSP-CBI-COMPOSITE-356	µg/kg	<2170	<4330	<2170	<2170	15400	<2170	3110	18510
BD-DSP-CBI-COMPOSITE-357	µg/kg	<547	<1090	<547	<547	9670	<547	2170	11840
BD-DSP-CBI-COMPOSITE-358	µg/kg	<2670	<5330	<2670	<2670	22000	<2670	2810	24810
BD-DSP-CBI-COMPOSITE-359	µg/kg	<4970	<9940	<4970	<4970	38100	<4970	<4970	38100
BD-DSP-CBI-COMPOSITE-360	µg/kg	<11600	<23100	<11600	<11600	91900	<11600	<11600	91900
BD-DSP-CBI-COMPOSITE-D360	µg/kg	<9650	<19300	<9650	<9650	70600	<9650	<9650	70600
BD-DSP-CBI-COMPOSITE-361	µg/kg	<4180	<8370	<4180	<4180	17800	<4180	2450	20250
BD-DSP-CBI-COMPOSITE-362	µg/kg	<8480	<17000	<8480	<8480	49600	<8480	4920	54520
BD-DSP-CBI-COMPOSITE-363	µg/kg	<2520	<5050	<2520	<2520	16000	<2520	3520	19520
BD-DSP-CBI-COMPOSITE-363-D	µg/kg	<4910	<9830	<4910	<4910	20700	<4910	2490	23190
BD-DSP-CBI-COMPOSITE-364	µg/kg	<3760	<7510	<3760	<3760	29800	<3760	2740	32540
BD-DSP-CBI-COMPOSITE-365	µg/kg	<12000	<24100	<12000	<12000	62000	<12000	<12000	62000
BD-DSP-CBI-COMPOSITE-366	µg/kg	<4950	<9910	<4950	<4950	28300	<4950	4970	33270
BD-DSP-CBI-COMPOSITE-367	µg/kg	<2330	<4660	<2330	<2330	17500	<2330	2210	19710
BD-DSP-CBI-COMPOSITE-367D	µg/kg	<2310	<4620	<2310	<2310	16700	<2310	1980	18680
BD-DSP-CBI-COMPOSITE-368	µg/kg	<3940	<7870	<3940	<3940	20000	<3940	<3940	20000
BD-DSP-CBI-COMPOSITE-369	µg/kg	<3810	<7620	<3810	<3810	53600	<3810	2300	55900
BD-DSP-CBI-COMPOSITE-370	µg/kg	<4700	<9410	<4700	<4700	26800	<4700	2390	29190
BD-DSP-CBI-COMPOSITE-371	µg/kg	<4900	<9800	<4900	<4900	20400	<4900	<4900	20400
BD-DSP-CBI-COMPOSITE-372	µg/kg	<4420	<8840	<4420	<4420	35600	<4420	<4420	35600
BD-DSP-CBI-COMPOSITE-373	µg/kg	<4760	<9520	<4760	<4760	21600	<4760	<4760	21600
BD-DSP-CBI-COMPOSITE-373-D	µg/kg	<4960	<9910	<4960	<4960	26500	<4960	2740	29240
BD-DSP-CBI-COMPOSITE-384	µg/kg	<527	<1050	<527	<527	2130	<527	<527	2130



**Table 9**  
**Results of CBI Building Debris Stockpile Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
BD-DSP-CBI-COMPOSITE-385	µg/kg	<5570	<11100	<5570	<5570	9180	<5570	<5570	9180
BD-DSP-CBI-COMPOSITE-386	µg/kg	<599	<1200	<599	<599	2280	<599	<599	2280
BD-DSP-CBI-COMPOSITE-387	µg/kg	<547	<1090	<547	<547	2730	<547	<547	2730
BD-DSP-CBI-COMPOSITE-388	µg/kg	<4720	<9450	<4720	<4720	14100	<4720	<4720	14100
BD-DSP-CBI-COMPOSITE-388-D	µg/kg	<5420	<10800	<5420	<5420	22400	<5420	<5420	22400
BD-DSP-CBI-COMPOSITE-389	µg/kg	<572	<1140	<572	<572	7000	<572	583	7583
BD-DSP-CBI-COMPOSITE-390	µg/kg	<5390	<10800	<5390	<5390	22500	<5390	<5390	22500
BD-DSP-CBI-COMPOSITE-391	µg/kg	<415	<415	<415	<415	2830	<415	<415	2830
BD-DSP-CBI-COMPOSITE-392	µg/kg	<438	<438	<438	<438	<438	1440	<438	1440
BD-DSP-CBI-COMPOSITE-393	µg/kg	<5640	<5640	<5640	<5640	77100	<5640	27200	104300
BD-DSP-CBI-COMPOSITE-394	µg/kg	<426	<426	<426	<426	1640	<426	<426	1640
BD-DSP-CBI-COMPOSITE-395	µg/kg	<420	<420	<420	<420	714	<420	<420	714
BD-DSP-CBI-COMPOSITE-396	µg/kg	<521	<521	<521	<521	5120	<521	603	5723
BD-DSP-CBI-COMPOSITE-397	µg/kg	<565	<565	<565	<565	6330	<565	<565	6330
BD-DSP-CBI-COMPOSITE-398	µg/kg	<493	<493	<493	<493	<493	<493	<493	<BRL
BD-DSP-CBI-COMPOSITE-399	µg/kg	<2620	<2620	<2620	<2620	14200	<2620	<2620	14200
BD-DSP-CBI-COMPOSITE-400	µg/kg	<442	<442	<442	<442	5500	<442	763	6263
BD-DSP-CBI-Composite-401	µg/kg	<484	<484	<484	<484	1640	<484	<484	1640
BD-DSP-CBI-Composite-402	µg/kg	<495	<495	<495	<495	1050	<495	<495	1050
BD-DSP-CBI-COMPOSITE-403R	µg/kg	<519	<519	<519	<519	6350	<519	5360	11710
BD-DSP-CBI-COMPOSITE-404	µg/kg	<503	<503	<503	<503	<503	<503	<503	<BRL
BD-DSP-CBI-COMPOSITE-405	µg/kg	<502	<502	<502	<502	708	<502	<502	708
BD-DSP-CBI-COMPOSITE-405D	µg/kg	<435	<435	<435	<435	711	<435	<435	711
BD-DSP-CBI-COMPOSITE-406	µg/kg	<511	<511	<511	<511	6720	<511	767	7487
BD-DSP-CBI-COMPOSITE-407	µg/kg	<440	<440	<440	<440	1130	<440	831	1961
BD-DSP-CBI-COMPOSITE-408	µg/kg	<479	<479	<479	<479	1220	<479	<479	1220
BD-DSP-CBI-COMPOSITE-409	µg/kg	<514	<514	<514	<514	698	<514	<514	698
BD-DSP-CBI-COMPOSITE-410	µg/kg	<555	<555	<555	<555	2650	<555	<555	2650
BD-DSP-CBI-COMPOSITE-411	µg/kg	<480	<480	<480	<480	3460	<480	513	3973
BD-DSP-CBI-COMPOSITE-412	µg/kg	<488	<488	<488	<488	2690	<488	<488	2690
BD-DSP-CBI-COMPOSITE-413	µg/kg	<503	<503	<503	<503	5800	<503	718	6518
BD-DSP-CBI-COMPOSITE-414	µg/kg	<497	<497	<497	<497	3510	<497	<497	3510
BD-DSP-CBI-COMPOSITE-415	µg/kg	<4730	<4730	<4730	<4730	20500	<4730	<4730	20500
BD-DSP-CBI-COMPOSITE-416	µg/kg	<514	<514	<514	<514	8110	<514	<514	8110
BD-DSP-CBI-COMPOSITE-417	µg/kg	<537	<537	<537	<537	<537	697	<537	697
BD-DSP-CBI-COMPOSITE-418	µg/kg	<498	<498	<498	<498	<498	<498	<498	<BRL
BD-DSP-CBI-COMPOSITE-419	µg/kg	<444	<444	<444	<444	2810	<444	<444	2810
BD-DSP-CBI-COMPOSITE-420	µg/kg	<521	<521	<521	<521	548	<521	<521	548
BD-DSP-CBI-COMPOSITE-421	µg/kg	<555	<555	<555	<555	5960	<555	<555	5960
BD-DSP-CBI-COMPOSITE-422	µg/kg	<479	<479	<479	<479	4560	<479	<479	4560
BD-DSP-CBI-COMPOSITE-423	µg/kg	<415	<415	<415	<415	1260	<415	<415	1260

Table 9  
Results of CBI Building Debris Stockpile Samples for PCB Analysis, Former Carter Carburetor Site

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
BD-DSP-CBI-COMPOSITE-424	µg/kg	<454	<454	<454	<454	1890	<454	460	2350
BD-DSP-CBI-COMPOSITE-425	µg/kg	<422	<422	<422	<422	617	<422	<422	617
BD-DSP-CBI-COMPOSITE-426	µg/kg	<469	<469	<469	<469	551	<469	<469	551
BD-DSP-CBI-COMPOSITE-427	µg/kg	<482	<482	<482	<482	756	<482	<482	756
BD-DSP-CBI-COMPOSITE-428	µg/kg	<482	<482	<482	<482	1340	<482	<482	1340
BD-DSP-CBI-COMPOSITE-429	µg/kg	<4590	<4590	<4590	<4590	20300	<4590	<4590	20300
BD-DSP-CBI-COMPOSITE-430	µg/kg	<440	<440	<440	<440	<440	<440	<440	<BRL
BD-DSP-CBI-COMPOSITE-431	µg/kg	<412	<412	<412	<412	<412	<412	<412	<BRL

**Table 10**  
**Results of CBI Building Debris Stockpile Samples for TCLP Lead and Chromium, Former Carter Carburetor Site**

Date Collected	Sample ID	Unit	Metals-TCLP Lead	Metals-TCLP Chromium
10/30/2015	BD-DSP-CBI-COMPOSITE-001	mg/l	<0.50	<0.100
10/30/2015	BD-DSP-CBI-COMPOSITE-002	mg/l	<0.50	<0.100
10/30/2015	BD-DSP-CBI-COMPOSITE-003	mg/l	<0.50	<0.100
10/30/2015	BD-DSP-CBI-COMPOSITE-004	mg/l	<0.50	<0.100
10/30/2015	BD-DSP-CBI-COMPOSITE-005	mg/l	<0.50	0.106
10/30/2015	BD-DSP-CBI-COMPOSITE-006	mg/l	<0.50	0.119
11/11/2015	BD-DSP-CBI-COMPOSITE-7	mg/l	<0.50	0.151
11/11/2015	BD-DSP-CBI-COMPOSITE-8	mg/l	<0.50	0.110
11/11/2015	BD-DSP-CBI-COMPOSITE-9	mg/l	<0.50	0.141
11/11/2015	BD-DSP-CBI-COMPOSITE-10	mg/l	<0.50	0.153
11/11/2015	BD-DSP-CBI-COMPOSITE-11	mg/l	<0.50	0.172
11/11/2015	BD-DSP-CBI-COMPOSITE-12	mg/l	<0.50	0.139
11/11/2015	BD-DSP-CBI-COMPOSITE-13	mg/l	<0.50	0.162
11/11/2015	BD-DSP-CBI-COMPOSITE-14	mg/l	<0.50	0.157
11/11/2015	BD-DSP-CBI-COMPOSITE-15	mg/l	<0.50	0.178
12/9/2015	BD-DSP-CBI-COMPOSITE-16	mg/l	<0.50	0.17
12/16/2015	BD-DSP-CBI-COMPOSITE-017	mg/l	<0.50	0.13
12/16/2015	BD-DSP-CBI-COMPOSITE-018	mg/l	<0.50	0.16
12/16/2015	BD-DSP-CBI-COMPOSITE-019	mg/l	<0.50	0.14
12/16/2015	BD-DSP-CBI-COMPOSITE-020	mg/l	<0.50	0.13
12/16/2015	BD-DSP-CBI-COMPOSITE-021	mg/l	<0.50	0.16
12/29/2015	BD-DSP-CBI-COMPOSITE-022	mg/l	<0.50	<0.10
12/29/2015	BD-DSP-CBI-COMPOSITE-023	mg/l	<0.50	<0.10
12/29/2015	BD-DSP-CBI-COMPOSITE-024	mg/l	<0.50	<0.10
12/29/2015	BD-DSP-CBI-COMPOSITE-025	mg/l	<0.50	<0.10
1/11/2016	BD-DSP-CBI-COMPOSITE-25A	mg/l	<0.50	<0.10
1/11/2016	BD-DSP-CBI-COMPOSITE-25B	mg/l	<0.50	<0.10
12/29/2015	BD-DSP-CBI-COMPOSITE-026	mg/l	<0.50	<0.10
12/29/2015	BD-DSP-CBI-COMPOSITE-027	mg/l	<0.50	<0.10
12/29/2015	BD-DSP-CBI-COMPOSITE-028	mg/l	<0.50	<0.10
12/29/2015	BD-DSP-CBI-COMPOSITE-029	mg/l	<0.50	<0.10
12/29/2015	BD-DSP-CBI-COMPOSITE-030	mg/l	<0.50	<0.10
1/7/2016	BD-DSP-CBI-COMPOSITE-030-2	mg/l	<0.50	<0.10
12/30/2015	BD-DSP-CBI-COMPOSITE-031	mg/l	<0.50	<0.10
12/30/2015	BD-DSP-CBI-COMPOSITE-032	mg/l	<0.50	0.12
1/7/2016	BD-DSP-CBI-COMPOSITE-033-2	mg/l	<0.50	<0.10
12/30/2015	BD-DSP-CBI-COMPOSITE-033	mg/l	<0.50	0.10
1/4/2016	BD-DSP-CBI-COMPOSITE-034	mg/l	<0.50	0.11
1/12/2016	BD-DSP-CBI-COMPOSITE-34A	mg/l	<0.50	<0.10
1/4/2016	BD-DSP-CBI-COMPOSITE-035	mg/l	<0.50	0.10
1/4/2016	BD-DSP-CBI-COMPOSITE-036	mg/l	<0.50	0.13
1/7/2016	BD-DSP-CBI-COMPOSITE-036-2	mg/l	<0.50	0.11
1/20/2016	BD-DSP-CBI-COMPOSITE-037	mg/l	<0.50	0.12
1/20/2016	BD-DSP-CBI-COMPOSITE-038	mg/l	<0.50	0.11
1/20/2016	BD-DSP-CBI-COMPOSITE-039	mg/l	<0.50	<0.10
1/20/2016	BD-DSP-CBI-COMPOSITE-040	mg/l	<0.50	<0.10
1/20/2016	BD-DSP-CBI-COMPOSITE-041	mg/l	<0.50	<0.10
1/20/2016	BD-DSP-CBI-COMPOSITE-042	mg/l	<0.50	<0.10
1/20/2016	BD-DSP-CBI-COMPOSITE-043	mg/l	<0.50	<0.10
1/20/2016	BD-DSP-CBI-COMPOSITE-044	mg/l	<0.50	0.10
1/20/2016	BD-DSP-CBI-COMPOSITE-045	mg/l	<0.50	<0.10

**Table 10**  
**Results of CBI Building Debris Stockpile Samples for TCLP Lead and Chromium, Former Carter Carburetor Site**

Date Collected	Sample ID	Unit	Metals-TCLP Lead	Metals-TCLP Chromium
1/20/2016	BD-DSP-CBI-COMPOSITE-046	mg/l	<0.50	<0.10
1/20/2016	BD-DSP-CBI-COMPOSITE-047	mg/l	<0.50	<0.10
1/20/2016	BD-DSP-CBI-COMPOSITE-D047	mg/l	<0.50	<0.10
1/20/2016	BD-DSP-CBI-COMPOSITE-048	mg/l	<0.50	<0.10
1/20/2016	BD-DSP-CBI-COMPOSITE-D48	mg/l	<0.50	<0.10
1/20/2016	BD-DSP-CBI-COMPOSITE-049	mg/l	<0.50	<0.10
1/20/2016	BD-DSP-CBI-COMPOSITE-050	mg/l	<0.50	<0.10
1/20/2016	BD-DSP-CBI-COMPOSITE-051	mg/l	<0.50	<0.10
1/20/2016	BD-DSP-CBI-COMPOSITE-052	mg/l	<0.50	0.11
2/10/2016	BD-DSP-CBI-COMPOSITE-053	mg/l	<0.50	0.11
2/10/2016	BD-DSP-CBI-COMPOSITE-054	mg/l	<0.50	0.12
2/10/2016	BD-DSP-CBI-COMPOSITE-D54	mg/l	<0.50	0.10
2/10/2016	BD-DSP-CBI-COMPOSITE-055	mg/l	<0.50	0.11
2/11/2016	BD-DSP-CBI-COMPOSITE-056	mg/l	<0.50	<0.10
2/11/2016	BD-DSP-CBI-COMPOSITE-057	mg/l	<0.50	<0.10
2/11/2016	BD-DSP-CBI-COMPOSITE-D57	mg/l	<0.50	<0.10
2/11/2016	BD-DSP-CBI-COMPOSITE-058	mg/l	<0.50	<0.10
2/11/2016	BD-DSP-CBI-COMPOSITE-059	mg/l	<0.50	<0.10
2/11/2016	BD-DSP-CBI-COMPOSITE-060	mg/l	<0.50	<0.10
2/11/2016	BD-DSP-CBI-COMPOSITE-061	mg/l	<0.50	<0.10
2/11/2016	BD-DSP-CBI-COMPOSITE-062	mg/l	<0.50	<0.10
2/12/2016	BD-DSP-CBI-COMPOSITE-063	mg/l	<0.50	0.10
2/12/2016	BD-DSP-CBI-COMPOSITE-064	mg/l	<0.50	<0.10
2/12/2016	BD-DSP-CBI-COMPOSITE-065	mg/l	<0.50	<0.10
2/12/2016	BD-DSP-CBI-COMPOSITE-066	mg/l	<0.50	<0.10
2/12/2016	BD-DSP-CBI-COMPOSITE-067	mg/l	<0.50	<0.10
2/12/2016	BD-DSP-CBI-COMPOSITE-068	mg/l	<0.50	<0.10
2/15/2016	BD-DSP-CBI-COMPOSITE-069	mg/l	<0.50	0.12
2/15/2016	BD-DSP-CBI-COMPOSITE-070	mg/l	<0.50	0.14
2/15/2016	BD-DSP-CBI-COMPOSITE-071	mg/l	<0.50	0.14
2/15/2016	BD-DSP-CBI-COMPOSITE-072	mg/l	<0.50	0.15
2/15/2016	BD-DSP-CBI-COMPOSITE-073	mg/l	<0.50	0.15
2/15/2016	BD-DSP-CBI-COMPOSITE-074	mg/l	<0.50	0.15
2/15/2016	BD-DSP-CBI-COMPOSITE-075	mg/l	<0.50	0.12
2/15/2016	BD-DSP-CBI-COMPOSITE-076	mg/l	<0.50	0.11
2/15/2016	BD-DSP-CBI-COMPOSITE-077	mg/l	<0.50	0.13
2/15/2016	BD-DSP-CBI-COMPOSITE-078	mg/l	<0.50	0.10
2/15/2016	BD-DSP-CBI-COMPOSITE-079	mg/l	<0.50	0.10
2/16/2016	BD-DSP-CBI-COMPOSITE-080	mg/l	<0.50	0.15
2/16/2016	BD-DSP-CBI-COMPOSITE-081	mg/l	<0.50	0.14
2/16/2016	BD-DSP-CBI-COMPOSITE-082	mg/l	<0.50	0.11
2/16/2016	BD-DSP-CBI-COMPOSITE-083	mg/l	<0.50	0.12
2/16/2016	BD-DSP-CBI-COMPOSITE-084	mg/l	<0.50	0.12
2/16/2016	BD-DSP-CBI-COMPOSITE-085	mg/l	<0.50	0.10
2/16/2016	BD-DSP-CBI-COMPOSITE-D085	mg/l	<0.50	0.11
2/16/2016	BD-DSP-CBI-COMPOSITE-086	mg/l	<0.50	0.11
2/17/2016	BD-DSP-CBI-COMPOSITE-087	mg/l	<0.50	<0.10
2/17/2016	BD-DSP-CBI-COMPOSITE-088	mg/l	<0.50	<0.10
2/17/2016	BD-DSP-CBI-COMPOSITE-089	mg/l	<0.50	<0.10
2/17/2016	BD-DSP-CBI-COMPOSITE-090	mg/l	<0.50	0.10
2/17/2016	BD-DSP-CBI-COMPOSITE-091	mg/l	<0.50	0.10

**Table 10**  
**Results of CBI Building Debris Stockpile Samples for TCLP Lead and Chromium, Former Carter Carburetor Site**

Date Collected	Sample ID	Unit	Metals-TCLP Lead	Metals-TCLP Chromium
2/17/2016	BD-DSP-CBI-COMPOSITE-092	mg/l	<0.50	<0.10
2/17/2016	BD-DSP-CBI-COMPOSITE-093	mg/l	<0.50	0.12
2/18/2016	BD-DSP-CBI-COMPOSITE-094	mg/l	<0.50	0.11
2/18/2016	BD-DSP-CBI-COMPOSITE-095	mg/l	<0.50	0.10
2/18/2016	BD-DSP-CBI-COMPOSITE-096	mg/l	<0.50	<0.10
02/22/2016	BD-DSP-CBI-COMPOSITE-097	mg/l	<0.50	0.12
02/22/2016	BD-DSP-CBI-COMPOSITE-098	mg/l	<0.50	0.14
02/22/2016	BD-DSP-CBI-COMPOSITE-099	mg/l	<0.50	0.15
02/22/2016	BD-DSP-CBI-COMPOSITE-100	mg/l	<0.50	0.15
02/22/2016	BD-DSP-CBI-COMPOSITE-101	mg/l	<0.50	0.13
02/22/2016	BD-DSP-CBI-COMPOSITE-102	mg/l	<0.50	0.13
02/22/2016	BD-DSP-CBI-COMPOSITE-103	mg/l	<0.50	0.13
02/22/2016	BD-DSP-CBI-COMPOSITE-104	mg/l	<0.50	0.14
2/23/2016	BD-DSP-CBI-COMPOSITE-105	mg/l	<0.50	0.15
2/23/2016	BD-DSP-CBI-COMPOSITE-106	mg/l	<0.50	0.13
2/23/2016	BD-DSP-CBI-COMPOSITE-107	mg/l	<0.50	0.11
2/23/2016	BD-DSP-CBI-COMPOSITE-D107	mg/l	<0.50	0.12
2/23/2016	BD-DSP-CBI-COMPOSITE-108	mg/l	<0.50	0.12
2/23/2016	BD-DSP-CBI-COMPOSITE-109	mg/l	<0.50	0.13
2/23/2016	BD-DSP-CBI-COMPOSITE-D109	mg/l	<0.50	0.12
2/23/2016	BD-DSP-CBI-COMPOSITE-110	mg/l	<0.50	0.16
2/23/2016	BD-DSP-CBI-COMPOSITE-111	mg/l	<0.50	0.11
2/23/2016	BD-DSP-CBI-COMPOSITE-112	mg/l	<0.50	0.13
2/23/2016	BD-DSP-CBI-COMPOSITE-113	mg/l	<0.50	0.11
2/23/2016	BD-DSP-CBI-COMPOSITE-114	mg/l	<0.50	0.11
2/23/2016	BD-DSP-CBI-COMPOSITE-115	mg/l	<0.50	0.12
2/23/2016	BD-DSP-CBI-COMPOSITE-116	mg/l	<0.50	0.14
2/23/2016	BD-DSP-CBI-COMPOSITE-117	mg/l	<0.50	0.15
2/23/2016	BD-DSP-CBI-COMPOSITE-118	mg/l	<0.50	0.13
2/24/2016	BD-DSP-CBI-COMPOSITE-119	mg/l	<0.50	0.16
2/24/2016	BD-DSP-CBI-COMPOSITE-120	mg/l	<0.50	0.16
2/24/2016	BD-DSP-CBI-COMPOSITE-121	mg/l	<0.50	0.15
2/24/2016	BD-DSP-CBI-COMPOSITE-D121	mg/l	<0.50	0.15
2/24/2016	BD-DSP-CBI-COMPOSITE-122	mg/l	<0.50	0.15
2/24/2016	BD-DSP-CBI-COMPOSITE-123	mg/l	<0.50	0.15
2/24/2016	BD-DSP-CBI-COMPOSITE-124	mg/l	<0.50	0.14
2/24/2016	BD-DSP-CBI-COMPOSITE-125	mg/l	<0.50	<0.10
3/1/2016	BD-DSP-CBI-COMPOSITE-126	mg/l	<0.50	0.15
3/1/2016	BD-DSP-CBI-COMPOSITE-127	mg/l	<0.50	<0.10
3/1/2016	BD-DSP-CBI-COMPOSITE-128	mg/l	<0.50	<0.10
3/1/2016	BD-DSP-CBI-COMPOSITE-129	mg/l	<0.50	0.10
3/1/2016	BD-DSP-CBI-COMPOSITE-130	mg/l	<0.50	<0.10
3/1/2016	BD-DSP-CBI-COMPOSITE-131	mg/l	<0.50	<0.10
3/1/2016	BD-DSP-CBI-COMPOSITE-132	mg/l	<0.50	<0.10
3/1/2016	BD-DSP-CBI-COMPOSITE-133	mg/l	<0.50	0.10
3/1/2016	BD-DSP-CBI-COMPOSITE-134	mg/l	<0.50	<0.10
3/4/2016	BD-DSP-CBI-COMPOSITE-167	mg/l	<0.50	<0.10
3/9/2016	BD-DSP-CBI-COMPOSITE-191	mg/l	<0.50	<0.10
3/10/2016	BD-DSP-COMPOSITE-221	mg/l	<0.50	0.11
3/15/2016	BD-DSP-CBI-COMPOSITE-222	mg/l	<0.50	<0.10
3/15/2016	BD-DSP-CBI-COMPOSITE-D222	mg/l	<0.50	<0.10



**Table 10**  
**Results of CBI Building Debris Stockpile Samples for TCLP Lead and Chromium, Former Carter Carburetor Site**

Date Collected	Sample ID	Unit	Metals-TCLP Lead	Metals-TCLP Chromium
3/16/2016	BD-DSP-CBI-COMPOSITE-227	mg/l	<0.50	<0.10
3/17/2016	BD-DSP-CBI-COMPOSITE-266	mg/l	<0.50	<0.10
3/21/2016	BD-DSP-CBI-COMPOSITE-275	mg/l	<0.50	<0.10
4/7/2016	BD-DSP-CBI-COMPOSITE-D298-2	mg/l	<0.50	<0.10
3/31/2016	BD-DSP-CBI-COMPOSITE-313	mg/l	<0.50	<0.10
5/10/2016	BD-DSP-CBI-COMPOSITE-331	mg/l	<0.50	<0.10
5/10/2016	BD-DSP-CBI-COMPOSITE-D331	mg/l	<0.50	<0.10
5/20/2016	BD-DSP-CBI-COMPOSITE-358	mg/l	<0.50	<0.10
5/20/2016	BD-DSP-CBI-COMPOSITE-359	mg/l	<0.50	<0.10
5/16/2017	BD-DSP-CBI-COMPOSITE-404	mg/l	<0.50	<0.10

**Table 11**  
**Results of CBI Building Bulk Concrete Pre-Demolition Samples for PCB Analysis, Former Carter Carburetor Site**

Sample Name	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
1BC-C13-B13-01-W	µg/kg	<11600	<23200	<11600	<11600	90600	<11600	34800	125400
1BC-C13-B13-01-W DUP	µg/kg	<3520	<7050	<3520	<3520	25200	<3520	8740	33940
1BC-DD13-EE13-01-W	µg/kg	<366	<733	<366	<366	10800	<366	685	11485
1BC-DD4-EE4-01-E	µg/kg	<525	<1050	<525	<525	<525	<525	<525	0
1BC-E10-E11-01-N	µg/kg	<11100	<22100	<11100	<11100	84900	<11100	15100	100000
1BC-E5-E6-01-S	µg/kg	<470	<939	<470	<470	1480	<470	1650	3130
1BC-GG13-HH13-01-W	µg/kg	<488	<977	<488	<488	14800	<488	1170	15970
1BC-GG13-HH13-01-W DUP	µg/kg	<442	<884	<442	<442	16300	<442	1380	17680
1BC-H9-H10-01-N	µg/kg	<354	<709	<354	<354	644	<354	<354	644
1BC-HH9-HH10-01-N	µg/kg	<724	<1450	<724	<724	6140	<724	1100	7240
1BC-J13-H13-01-W	µg/kg	<415	<830	<415	<415	3580	<415	1040	4620
1BC-M13-L13-01-W	µg/kg	<4290	<8570	<4290	<4290	19000	<4290	7950	26950
1BC-M9-L9-01-E	µg/kg	<466	<932	<466	<466	2290	<466	<466	2290
1BC-NN8-OO8-01-W	µg/kg	<478	<955	<478	<478	3000	<478	780	3780
1BC-OO13-PP13-01-W	µg/kg	<2110	<4220	<2110	<2110	7150	<2110	2360	9510
1BC-P10-P11-01-S	µg/kg	<512	<1020	<512	<512	42900	<512	2440	45340
1BC-P10-P11-01-S DUP	µg/kg	<492	<984	<492	<492	42500	<492	2450	44950
1BC-P4-P5-01-S	µg/kg	<449	<898	<449	<449	2140	<449	627	2767
1BC-P7-O7-01-E	µg/kg	<556	<1110	<556	<556	2590	<556	634	3224
1BC-PP5-PP6-01-S	µg/kg	<6920	<13800	<6920	<6920	45700	<6920	9020	54720
1BC-RR7-SS7-01-W	µg/kg	<374	<747	<374	<374	2830	<374	601	3431
1CL-AA6-01-W	µg/kg	<401	<803	<401	<401	4420	<401	1640	6060
1CL-D12-01-W	µg/kg	<3590	<7170	<3590	<3590	63000	<3590	11900	74900
1CL-D9-01-S	µg/kg	<1750	<3490	<1750	<1750	7950	<1750	1890	9840
1CL-EE12-01-W	µg/kg	<436	<872	<436	<436	1860	<436	<436	1860
1CL-FF4-01-E	µg/kg	<402	<804	<402	<402	940	<402	<402	940
1CL-G10-01-E	µg/kg	<27900	<55800	<27900	<27900	121000	<27900	32900	153900
1CL-G10-01-E DUP	µg/kg	<12900	<25900	<12900	<12900	65000	<12900	16200	81200
1CL-HH6-01-W	µg/kg	<347	<693	<347	<347	1390	<347	493	1883
1CL-J12-01-N	µg/kg	<490	<979	<490	<490	46600	<490	2810	49410
1CL-J7-01-N	µg/kg	<375	<750	<375	<375	898	<375	<375	898
1CL-L10-01-E	µg/kg	<420	<840	<420	<420	8050	<420	1110	9160
1CL-LL9-01-S	µg/kg	<365	<729	<365	<365	7050	<365	1240	8290
1CL-M5-01-E	µg/kg	<1120	<2250	<1120	<1120	6090	<1120	1460	7550
1CL-N11-01-S	µg/kg	<529	<1060	<529	<529	3920	<529	884	4804
1CL-NN12-01-N	µg/kg	<1920	<3840	<1920	<1920	16400	<1920	2660	19060
1CL-O10-01-E	µg/kg	<2480	<4970	<2480	<2480	36200	<2480	7350	43550
1CL-O10-01-E DUP	µg/kg	<587	<1170	<587	<587	20300	<587	1690	21990

**Table 11**  
**Results of CBI Building Bulk Concrete Pre-Demolition Samples for PCB Analysis, Former Carter Carburetor Site**

Sample Name	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
1CL-005-01-E	µg/kg	<486	<973	<486	<486	2800	<486	<486	2800
1CL-QQ6-01-S	µg/kg	<442	<884	<442	<442	5200	<442	2200	7400
1CR-A5-AA6-01-01	µg/kg	<7760	<15500	<7760	<7760	72500	<7760	15500	88000
1CR-A6-AA7-01-01	µg/kg	<1830	<3670	<1830	<1830	12000	<1830	7070	19070
1CR-A6-AA7-01-01 DUP	µg/kg	<2090	<4180	<2090	<2090	13900	<2090	8270	22170
1CR-A7-AA8-01-01	µg/kg	<9200	<18400	<9200	<9200	83700	<9200	15900	99600
1CR-AA5-BB6-01-01	µg/kg	<9470	<18900	<9470	<9470	74000	<9470	19900	93900
1CR-B10-A11-01-01	µg/kg	<10800	<21600	<10800	<10800	35500	<10800	<10800	35500
1CR-B4-A5-01-01	µg/kg	<8630	<17300	<8630	<8630	55000	<8630	13800	68800
1CR-B9-A10-01-01	µg/kg	<4850	<9710	<4850	<4850	8360	<4850	<4850	8360
1CR-BB5-CC6-01-01	µg/kg	<19200	<38300	<19200	<19200	245000	<19200	33200	278200
1CR-BB8-CC9-01-01	µg/kg	<3620	<7240	<3620	<3620	39400	<3620	13300	52700
1CR-C5-B6-01-01	µg/kg	<9010	<18000	<9010	<9010	94400	<9010	21000	115400
1CR-C5-B6-01-01 DUP	µg/kg	<9320	<18600	<9320	<9320	94600	<9320	22200	116800
1CR-C9-B10-01-01	µg/kg	<9120	<18200	<9120	<9120	33500	<9120	<9120	33500
1CR-CC5-DD6-01-01	µg/kg	<20100	<40200	<20100	<20100	159000	<20100	39800	198800
1CR-CC6-DD7-01-01	µg/kg	<2250	<4500	<2250	<2250	16300	<2250	<2250	16300
1CR-CC7-DD8-01-01	µg/kg	<467	<933	<467	<467	9390	<467	<467	9390
1CR-D4-C5-01-01	µg/kg	<990	<1980	<990	<990	14200	<990	<990	14200
1CR-D5-C6-01-01	µg/kg	<3700	<7400	<3700	<3700	30500	<3700	8330	38830
1CR-D8-C9-01-01	µg/kg	<23900	<47800	<23900	<23900	48800	<23900	26600	75400
1CR-DD3-EE4-01-01	µg/kg	<9450	<18900	<9450	<9450	89400	<9450	14800	104200
1CR-DD3-EE4-01-01 DUP	µg/kg	<9550	<19100	<9550	<9550	93500	<9550	16400	109900
1CR-DD5-EE6-01-01	µg/kg	<400	<800	<400	<400	1810	<400	<400	1810
1CR-EE10-F11-01-01	µg/kg	<4240	<8470	<4240	<4240	51800	<4240	11800	63600
1CR-EE3-FF4-01-01	µg/kg	<11700	<23300	<11700	<11700	115000	<11700	21800	136800
1CR-EE9-FF10-01-01	µg/kg	<4300	<8600	<4300	<4300	50100	<4300	10000	60100
1CR-GG10-HH11-01-01	µg/kg	<7780	<15600	<7780	<7780	82700	<7780	20100	102800
1CR-GG9-HH10-01-01	µg/kg	<9270	<18500	<9270	<9270	84600	<9270	16300	100900
1CR-KK10-LL11-01-01	µg/kg	<2410	<4830	<2410	<2410	11700	<2410	<2410	11700
1CR-KK6-LL7-01-01	µg/kg	<4860	<9730	<4860	<4860	52900	<4860	20400	73300
1CR-LL10-MM11-01-01	µg/kg	<3860	<7720	<3860	<3860	33600	<3860	<3860	33600
1CR-LL10-MM11-01-01 DUP	µg/kg	<4470	<8930	<4470	<4470	39300	<4470	<4470	39300
1CR-LL5-MM6-01-01	µg/kg	<11600	<23100	<11600	<11600	146000	<11600	29400	175400
1CR-LL6-MM7-01-01	µg/kg	<4450	<8900	<4450	<4450	54500	<4450	17800	72300
1CR-LL9-MM10-01-01	µg/kg	<2440	<4880	<2440	<2440	19600	<2440	<2440	19600
1CR-MM8-NN9-01-01	µg/kg	<3760	<7510	<3760	<3760	48500	<3760	10900	59400
1CR-NN9-OO10-01-01	µg/kg	<473	<946	<473	<473	1950	<473	981	2931

**Table 11**  
**Results of CBI Building Bulk Concrete Pre-Demolition Samples for PCB Analysis, Former Carter Carburetor Site**

Sample Name	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
1CR-OO10-PP11-01-01	µg/kg	<9690	<19400	<9690	<9690	64300	<9690	22700	87000
1CR-OO10-PP11-01-01 DUP	µg/kg	<7260	<14500	<7260	<7260	64200	<7260	21600	85800
1CR-OO4-PP5-01-01	µg/kg	<4420	<8840	<4420	<4420	35000	<4420	9950	44950
1CR-OO6-PP7-01-01	µg/kg	<18900	<37700	<18900	<18900	172000	<18900	36200	208200
1CR-PP10-QQ11-01-01	µg/kg	<4620	<9240	<4620	<4620	42200	<4620	10100	52300
1CR-PP4-QQ5-01-01	µg/kg	<1840	<3690	<1840	<1840	17800	<1840	8090	25890
1CR-PP5-QQ6-01-01	µg/kg	<4350	<8690	<4350	<4350	47800	<4350	10300	58100
1CR-PP6-QQ7-01-01	µg/kg	<7170	<14300	<7170	<7170	71000	<7170	14300	85300
1CR-QQ10-RR11-01-01	µg/kg	<3870	<7750	<3870	<3870	33000	<3870	8150	41150
1CR-QQ5-RR6-01-01	µg/kg	<2490	<4980	<2490	<2490	15100	<2490	3150	18250
1CR-QQ6-RR7-01-01	µg/kg	<2010	<4020	<2010	<2010	12600	<2010	4620	17220
1CR-RR11-SS12-01-01	µg/kg	<5040	<10100	<5040	<5040	55600	<5040	<5040	55600
1CR-RR4-SS5-01-01	µg/kg	<4670	<9340	<4670	<4670	51400	<4670	9990	61390
1CR-RR5-SS6-01-01	µg/kg	<496	<991	<496	<496	4070	<496	1450	5520
2BC-C13-B13-01-W	µg/kg	<501	<1000	<501	<501	2300	<501	624	2924
2BC-CC1-DD1-01-E	µg/kg	<770	<1540	<770	<770	<770	<770	<770	0
2BC-L1-K1-01-E	µg/kg	<492	<984	<492	<492	<492	<492	<492	<BRL
2BC-LL13-MM13-01-W	µg/kg	<484	<968	<484	<484	<484	<484	<484	<BRL
2BC-O13-N13-01-W	µg/kg	<514	<1030	<514	<514	<514	<514	<514	<BRL
3BC-01-N1-01-01	µg/kg	<592	<1180	<592	<592	<592	<592	<592	<BRL
3BC-AA5-AA6-01-01	µg/kg	<431	<862	<431	<431	3160	<431	7740	10900
3BC-D8-D9-01-01	µg/kg	<553	<1110	<553	<553	839	<553	902	1741
3BC-F1-E1-01-01	µg/kg	<484	<967	<484	<484	1060	<484	<484	1060
3BC-FF1-GG1-01-01	µg/kg	<482	<963	<482	<482	<482	<482	<482	<BRL
3BC-K13-J13-01-01	µg/kg	<590	<1180	<590	<590	630	<590	<590	630
3BC-KK4-LL4-01-01	µg/kg	<379	<757	<379	<379	1030	<379	<379	1030
3BC-NN13-OO13-01-01	µg/kg	<477	<955	<477	<477	5960	<477	2090	8050
3BC-P11-P12-01-01	µg/kg	<434	<867	<434	<434	812	<434	<434	812
3BC-SS6-SS7-01-01	µg/kg	<462	<924	<462	<462	<462	<462	<462	<BRL
3CL-010-01-E	µg/kg	<543	<1090	<543	<543	887	<543	<543	887
3CL-B12-01-W	µg/kg	<491	<982	<491	<491	2290	<491	1150	3440
3CL-E3-01-S	µg/kg	<539	<1080	<539	<539	5570	<539	1140	6710
3CL-FF11-01-N	µg/kg	<411	<823	<411	<411	860	<411	495	1355
3CL-QQ6-01-E	µg/kg	<527	<1050	<527	<527	880	<527	<527	880
3CR-08-N10-01-01	µg/kg	<361	<723	<361	<361	6480	<361	2950	9430
3CR-08-N9-01-01	µg/kg	<530	<1060	<530	<530	7330	<530	3280	10610
3CR-AA10-BB11-01-01	µg/kg	<491	<982	<491	<491	5420	<491	<491	5420
3CR-AA8-BB9-01-01	µg/kg	<8880	<17800	<8880	<8880	28700	<8880	40300	69000

**Table 11**  
**Results of CBI Building Bulk Concrete Pre-Demolition Samples for PCB Analysis, Former Carter Carburetor Site**

Sample Name	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
3CR-AA8-BB9-01-01 DUP	µg/kg	<8580	<17200	<8580	<8580	23900	<8580	34300	58200
3CR-BB9-CC10-01-01	µg/kg	<10800	<21500	<10800	<10800	54000	<10800	16100	70100
3CR-G3-F4-01-01	µg/kg	<4320	<8640	<4320	<4320	36200	<4320	13400	49600
3CR-G4-F5-01-01	µg/kg	<434	<868	<434	<434	4030	<434	<434	4030
3CR-J3-H4-01-01	µg/kg	<533	<1070	<533	<533	914	<533	<533	914
3CR-LL6-MM7-01-01	µg/kg	<5310	<10600	<5310	<5310	52300	<5310	13300	65600
3CR-LL7-MM8-01-01	µg/kg	<11900	<23800	<11900	<11900	94700	<11900	29500	124200
3CR-M3-L4-01-01	µg/kg	<51800	<104000	<51800	<51800	438000	<51800	76400	514400
3CR-M4-L5-01-01	µg/kg	<3720	<7450	<3720	<3720	18200	<3720	5580	23780
3CR-M9-L10-01-01	µg/kg	<5330	<10700	<5330	<5330	44200	<5330	8240	52440
3CR-MM3-NN4-01-01	µg/kg	<2520	<5030	<2520	<2520	14600	<2520	5790	20390
3CR-MM5-NN6-01-01	µg/kg	<3940	<7890	<3940	<3940	37400	<3940	12700	50100
3CR-MM7-NN8-01-01	µg/kg	<2520	<5050	<2520	<2520	22000	<2520	8520	30520
3CR-N10-M11-01-01	µg/kg	<421	<843	<421	<421	12600	<421	2560	15160
3CR-N3-M4-01-01	µg/kg	<8370	<16700	<8370	<8370	50900	<8370	13500	64400
3CR-N3-M4-01-01 DUP	µg/kg	<9200	<18400	<9200	<9200	55400	<9200	14400	69800
3CR-NN3-OO4-01-01	µg/kg	<21700	<43400	<21700	<21700	140000	<21700	27000	167000
3CR-OO3-PP4-01-01	µg/kg	<501	<1000	<501	<501	912	<501	590	1502
3CR-OO5-PP6-01-01	µg/kg	<5190	<10400	<5190	<5190	26800	<5190	9360	36160
3CR-OO7-PP8-01-01	µg/kg	<506	<1010	<506	<506	4390	<506	2520	6910
3CR-PP5-QQ6-01-01	µg/kg	<480	<960	<480	<480	5170	<480	2470	7640
3CR-PP6-QQ7-01-01	µg/kg	<4920	<9830	<4920	<4920	37000	<4920	12300	49300
3CR-PP6-QQ7-01-01 DUP	µg/kg	<4980	<9960	<4980	<4980	39100	<4980	12900	52000
3CR-PP7-QQ8-01-01	µg/kg	<1930	<3860	<1930	<1930	9070	<1930	5040	14110
4BC-D7-D8-S	µg/kg	<5000	<10000	<5000	<5000	23600	<5000	<5000	23600
4BC-E2-D2-E	µg/kg	<586	<1170	<586	<586	<586	<586	<586	<BRL
4BC-F13-E13-W	µg/kg	<400	<799	<400	<400	2420	<400	<400	2420
4BC-HH6-HH7-N	µg/kg	<494	<989	<494	<494	734	<494	<494	734
4BC-KK13-LL13-W	µg/kg	<517	<1030	<517	<517	<517	<517	<517	<BRL
4CR-C6-B7-01-01	µg/kg	<581	<1160	<581	<581	6040	<581	1320	7360
4CR-C7-B8-01-01	µg/kg	<4520	<9030	<4520	<4520	197000	<4520	17900	214900
4CR-C8-B9-01-01	µg/kg	<1050	<2100	<1050	<1050	20400	<1050	3840	24240
4CR-D6-C7-01-01	µg/kg	<104000	<208000	<104000	<104000	809000	<104000	148000	957000
4CR-D7-D8-01-01	µg/kg	<26000	<52100	<26000	<26000	536000	<26000	75800	611800
4CR-D8-C9-01-01	µg/kg	<40500	<81000	<40500	<40500	242000	<40500	47500	289500
4CR-D8-C9-01-01 DUP	µg/kg	<29500	<59100	<29500	<29500	318000	<29500	58300	376300



Table 12  
Results of CBI Building Demolition Debris Scrap Metal Wipe Samples for PCB Analysis, Former Carter Carburetor Site

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
DC-WM-CBI-BM-14	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-RB-AA	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-MC-R1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	2.7	<1.0	1.7	4.4
DC-WM-CBI-RB-AB	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-BM-15	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-MC-S1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-PP-N1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-RB-AC	µg/100CM2	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	1.6
DC-WM-CBI-PP-01	µg/100CM2	<1.0	<1.0	<1.0	<1.0	6.0	<1.0	<1.0	6
DC-WM-CBI-PP-P1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	19.4	<1.0	<1.0	19.4
DC-WM-CBI-RB-AD	µg/100CM2	<1.0	<1.0	<1.0	<1.0	3.6	<1.0	1.0	4.6
DC-WM-CBI-PP-Q1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-PP-R1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	1.1
DC-WM-E06-T1-1	µg/100CM2	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	242	242
DC-WM-E06-T2-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	5.1	<1.0	6.8	11.9
DC-WM-E05-T3-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-A12-01	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-PP-S1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-PP-T1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-PP-U1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-PP-V1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-PP-W1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-PP-W1D	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-RB-AF	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-RB-AG	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-RB-AH	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-RB-AI	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CBI-RB-AE	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL

**Table 13**  
**Results of Imported Fill Material Samples for VOC Analysis, Former Carter Carburetor Site**

Sample ID	W PINE STOCKPILE-1	W PINE STOCKPILE-2	20170601-SOIL-FILL	20170622-SOIL-FILL	20170627-SAND-FILL-DCA
Date Collected	9/20/2016	9/20/2016	6/1/2017	6/22/2017	6/27/2017
Parameter	ug/l	ug/l	ug/l	ug/l	ug/l
Chloroform	<5.4	<5.4	<5.8	<5.4	<5.9
Bromodichloromethane	<5.4	<5.4	<5.8	<5.4	<5.9
Isopropylbenzene	<5.4	<5.4	<5.8	<5.4	<5.9
Hexachlorobutadiene	<5.4	<5.4	<5.8	<5.4	<5.9
Ethylbenzene	<5.4	<5.4	<5.8	<5.4	<5.9
Dichlorodifluoromethane	<5.4	<5.4	<5.8	<5.4	<5.9
Dibromomethane	<5.4	<5.4	<5.8	<5.4	<5.9
Naphthalene	<10.8	<10.8	<11.7	<10.7	<11.8
Chloromethane	<5.4	<5.4	<5.8	<5.4	<5.9
Tetrachloroethylene	<5.4	<5.4	<5.8	<5.4	<5.9
Chlorobenzene	<5.4	<5.4	<5.8	<5.4	<5.9
Carbon tetrachloride	<5.4	<5.4	<5.8	<5.4	<5.9
Carbon disulfide	<5.4	<5.4	<5.8	<5.4	<5.9
Bromomethane	<5.4	<5.4	<5.8	<5.4	<5.9
Bromoform	<5.4	<5.4	<5.8	<5.4	<5.9
Dibromochloromethane	<5.4	<5.4	<5.8	<5.4	<5.9
cis-1,2-Dichloroethylene	<5.4	<5.4	<5.8	<5.4	<5.9
1,3-Dichloropropene (trans)	<5.4	<5.4	<5.8	<5.4	<5.9
trans-1,2-Dichloroethylene	<5.4	<5.4	<5.8	<5.4	<5.9
tert-Butylbenzene	<5.4	<5.4	<5.8	<5.4	<5.9
sec-Butylbenzene	<5.4	<5.4	<5.8	<5.4	<5.9
4-Isopropyltoluene / p-Isopropyltoluene	<5.4	<5.4	<5.8	<5.4	<5.9
n-Propylbenzene	<5.4	<5.4	<5.8	<5.4	<5.9
Methyltertbutyl ether	<5.4	<5.4	<5.8	<5.4	<5.9
1,3-Dichloropropene (cis)	<5.4	<5.4	<5.8	<5.4	<5.9
Methylene chloride (Dichloromethane)	<5.4	<5.4	<5.8	<5.4	<5.9
m-,p-,o-Xylene	<5.4	<5.4	<5.8	<5.4	<5.9
Vinyl chloride	<5.4	<5.4	<5.8	<5.4	<5.9
Trichloroethylene	<5.4	<5.4	<5.8	<5.4	<5.9
Toluene-d8	99.1	96.7	92.9	89.5	107
Toluene	<5.4	<5.4	<5.8	<5.4	<5.9
n-Butylbenzene	<5.4	<5.4	<5.8	<5.4	<5.9
1,1-Dichloropropylene	<5.4	<5.4	<5.8	<5.4	<5.9
1,2-Dichloroethane	<5.4	<5.4	<5.8	<5.4	<5.9
1,2-Dichlorobenzene	<5.4	<5.4	<5.8	<5.4	<5.9
1,2-Dibromoethane (EDB) (ethylene dibromide)	<5.4	<5.4	<5.8	<5.4	<5.9
1,2,4-Trichlorobenzene	<5.4	<5.4	<5.8	<5.4	<5.9
1,2-Dichloroethane-d4	103	102	88.6	103	128
1,2,3-Trichlorobenzene	<5.4	<5.4	<5.8	<5.4	<5.9
1,1,1-Trichloroethane	<5.4	<5.4	<5.8	<5.4	<5.9
1,1-Dichloroethylene	<5.4	<5.4	<5.8	<5.4	<5.9
1,1-Dichloroethane	<5.4	<5.4	<5.8	<5.4	<5.9
1,1,2,2-Tetrachloroethane	<5.4	<5.4	<5.8	<5.4	<5.9
Bromochloromethane	<5.4	<5.4	<5.8	<5.4	<5.9
1,1,1,2-Tetrachloroethane	<5.4	<5.4	<5.8	<5.4	<5.9
Styrene	<5.4	<5.4	<5.8	<5.4	<5.9
1,2,3-Trichloropropane	<5.4	<5.4	<5.8	<5.4	<5.9
Benzene	<5.4	<5.4	<5.8	<5.4	<5.9
Methyl isobutyl ketone (MIBK)	<10.8	<10.8	<11.7	<10.7	<11.8
4-Bromofluorobenzene	97.1	94.8	93.3	90.1	117
2-Hexanone (Methyl butyl ketone/MBK)	<21.6	<21.5	<23.3	<21.4	<23.5
1,4-Dichlorobenzene	<5.4	<5.4	<5.8	<5.4	<5.9
1,3-Dichloropropane	<5.4	<5.4	<5.8	<5.4	<5.9
1,3-Dichlorobenzene	<5.4	<5.4	<5.8	<5.4	<5.9
1,2-Dichloropropane	<5.4	<5.4	<5.8	<5.4	<5.9
Bromobenzene	<5.4	<5.4	<5.8	<5.4	<5.9

**Table 14**  
**Results of Imported Fill Material Samples for Metals Analysis, Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Cadmium	Selenium	Chromium, Total	Barium	Arsenic	Silver	Mercury	Lead
12/31/2015	20151231_GRAN_FILL	mg/kg	0.73	<1.1	6.4	14.1	3.2	<0.52	<0.046	0.85
9/20/2016	W PINE STOCKPILE-1	mg/kg	0.53	<1.2	9.2	22.3	3.6	<0.56	<0.049	3.9
9/20/2016	W PINE STOCKPILE-2	mg/kg	0.69	<1.5	8.9	44.8	3.7	<0.70	<0.054	2.3
6/1/2017	20170601-SOIL-FILL	mg/kg	0.65	<1.5	21.5	180	9.3	<0.71	<0.055	23.3
6/22/2017	20170622-SOIL-FILL	mg/kg	<0.48	<1.4	14	120	5.4	<0.68	<0.051	8.3

**Table 15**  
**Results of East Die Cast Wall Soil Boring Confirmation Samples for PCB Analysis, Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
8/5/2015	EDC-5-1	µg/kg	<402	<804	<402	<402	<402	<402	<402	<BRL
8/5/2015	EDC-5-11	µg/kg	<443	<887	<443	<443	<443	<443	<443	<BRL
8/5/2015	EDC-5-17	µg/kg	<416	<832	<416	<416	<416	<416	<416	<BRL
8/5/2015	EDC-5-23	µg/kg	<363	<726	<363	<363	<363	<363	<363	<BRL
8/5/2015	EDC-5-6	µg/kg	<469	<937	<469	<469	<469	<469	<469	<BRL
8/5/2015	EDC-6-1	µg/kg	<460	<921	<460	<460	<460	<460	<460	<BRL
8/5/2015	EDC-6-11	µg/kg	<405	<810	<405	<405	<405	<405	<405	<BRL
8/5/2015	EDC-6-17	µg/kg	<420	<839	<420	<420	<420	<420	<420	<BRL
8/5/2015	EDC-6-23	µg/kg	<347	<694	<347	<347	<347	<347	<347	<BRL
8/5/2015	EDC-6-6	µg/kg	<392	<783	<392	<392	<392	<392	<392	<BRL
8/5/2015	EDC-7-1	µg/kg	<344	<688	<344	<344	<344	<344	<344	<BRL
8/5/2015	EDC-7-11	µg/kg	<436	<872	<436	<436	<436	<436	<436	<BRL
8/5/2015	EDC-7-17	µg/kg	<392	<784	<392	<392	<392	<392	<392	<BRL
8/5/2015	EDC-7-23	µg/kg	<382	<764	<382	<382	<382	<382	<382	<BRL
8/5/2015	EDC-7-6	µg/kg	<377	<754	<377	<377	<377	<377	<377	<BRL
8/5/2015	EDC-8-1	µg/kg	<457	<914	<457	<457	<457	<457	<457	<BRL
8/5/2015	EDC-8-11	µg/kg	<385	<770	<385	<385	<385	<385	<385	<BRL
8/5/2015	EDC-8-17	µg/kg	<334	<668	<334	<334	<334	<334	<334	<BRL
8/5/2015	EDC-8-23.5	µg/kg	<398	<796	<398	<398	<398	<398	<398	<BRL
8/5/2015	EDC-8-6	µg/kg	<392	<783	<392	<392	<392	<392	<392	<BRL
8/5/2015	EDC-9-1	µg/kg	<386	<772	<386	<386	<386	<386	<386	<BRL
8/5/2015	EDC-9-11	µg/kg	<491	<982	<491	<491	<491	<491	<491	<BRL
8/5/2015	EDC-9-17	µg/kg	<416	<833	<416	<416	<416	<416	<416	<BRL
8/5/2015	EDC-9-22	µg/kg	<396	<793	<396	<396	<396	<396	<396	<BRL
8/5/2015	EDC-9-6	µg/kg	<479	<958	<479	<479	<479	<479	<479	<BRL
8/5/2015	EDC-10-1	µg/kg	<5990	<12000	<5990	<5990	44300	<300	865	45165
8/5/2015	EDC-10-11	µg/kg	<19600	<39100	<19600	<19600	113000	<391	2820	115820
8/5/2015	EDC-10-17	µg/kg	<391	<782	<391	<391	<391	<391	<391	<BRL
8/5/2015	EDC-10-21	µg/kg	<486	<972	<486	<486	<486	<486	<486	<BRL
8/5/2015	EDC-10-6	µg/kg	<415	<830	<415	<415	681	<415	<415	681
8/5/2015	EDC-11-1	µg/kg	<335	<671	<335	<335	<335	<335	<335	<BRL
8/5/2015	EDC-11-11	µg/kg	<332	<663	<332	<332	419	<332	<332	419
8/5/2015	EDC-11-17	µg/kg	<423	<845	<423	<423	<423	<423	<423	<BRL
8/5/2015	EDC-11-21	µg/kg	<573	<1150	<573	<573	<573	<573	<573	<BRL
8/5/2015	EDC-11-6	µg/kg	<440	<881	<440	<440	<440	<440	<440	<BRL
8/5/2015	EDC-12-1	µg/kg	<337	<674	<337	<337	<337	<337	<337	<BRL
8/5/2015	EDC-12-11	µg/kg	<428	<857	<428	<428	<428	<428	<428	<BRL
8/5/2015	EDC-12-17	µg/kg	<429	<858	<429	<429	<429	<429	<429	<BRL
8/5/2015	EDC-12-20.5	µg/kg	<357	<714	<357	<357	<357	<357	<357	<BRL
8/5/2015	EDC-12-6	µg/kg	<417	<833	<417	<417	<417	<417	<417	<BRL
8/5/2015	EDC-13-1	µg/kg	<376	<752	<376	<376	<376	<376	<376	<BRL

Table 15  
Results of East Die Cast Wall Soil Boring Confirmation Samples for PCB Analysis, Former Carter Carburetor Site

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
8/5/2015	EDC-13-11	µg/kg	<339	<678	<339	<339	<339	<339	<339	<BRL
8/5/2015	EDC-13-17	µg/kg	<337	<673	<337	<337	<337	<337	<337	<BRL
8/5/2015	EDC-13-23	µg/kg	<419	<839	<419	<419	<419	<419	<419	<BRL
8/5/2015	EDC-13-6	µg/kg	<477	<954	<477	<477	<477	<477	<477	<BRL
8/11/2015	EDC-14-1	µg/kg	<244	<488	<244	<244	<244	<244	<244	<BRL
8/11/2015	EDC-14-11	µg/kg	<235	<471	<235	<235	<235	<235	<235	<BRL
8/11/2015	EDC-14-17	µg/kg	<248	<496	<248	<248	<248	<248	<248	<BRL
8/11/2015	EDC-14-23	µg/kg	<213	<425	<213	<213	<213	<213	<213	<BRL
8/11/2015	EDC-14-6	µg/kg	<234	<469	<234	<234	<234	<234	<234	<BRL



**Table 16**  
**Results North Die Cast Wall Confirmation Soil Samples for PCB Analysis Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
9/22/2015	S-NDCMW-006-C006-025	µg/kg	<489	<977	<489	<489	<489	<489	1170	1170
9/22/2015	S-NDCMW-007-C007-030	µg/kg	<541	<1080	<541	1050	<541	<541	<541	1050
9/23/2015	S-NDCW-010-COMPOSITE-01	µg/kg	<503	<1010	<503	641	<503	<503	<503	641
9/23/2015	S-NDCW-011-COMPOSITE-01	µg/kg	<469	<938	<469	<469	<469	<469	<469	<BRL
9/23/2015	S-NDCW-012-COMPOSITE-01	µg/kg	<515	<1030	<515	1210	1390	<515	<515	2600
9/23/2015	S-NDCW-013-COMPOSITE-01	µg/kg	<483	<966	<483	<483	<483	<483	<483	<BRL
9/23/2015	S-NDCW-014-COMPOSITE-01	µg/kg	<563	<1130	<563	<563	<563	<563	<563	<BRL
9/25/2015	S-NDCW-015-COMPOSITE-01	µg/kg	<565	<1130	<565	<565	<565	<565	<565	<BRL
9/25/2015	S-NDCW-016-COMPOSITE-01	µg/kg	<561	<1120	<561	<561	<561	<561	<561	<BRL
9/25/2015	S-NDCW-017-COMPOSITE-01	µg/kg	<527	<1050	<527	<527	<527	<527	<527	<BRL
10/2/2015	S-NDCW-017-040-45-10-01-A4	µg/kg	<569	<1140	<569	<569	1210	<569	<569	1210
10/1/2015	S-NDCW-018-COMPOSITE-01	µg/kg	<562	<1120	<562	<562	<562	<562	<562	<BRL
10/1/2015	S-NDCW-019-COMPOSITE-01	µg/kg	<553	<1110	<553	<553	<553	<553	<553	<BRL
10/1/2015	S-NDCW-020-COMPOSITE-01	µg/kg	<601	<1200	<601	<601	<601	<601	<601	<BRL
10/2/2015	S-NDCW-021-COMPOSITE-01	µg/kg	<574	<1150	<574	<574	<574	<574	<574	<BRL
10/8/2015	S-NDCW-025-COMPOSITE-01	µg/kg	<544	<1090	<544	<544	<544	<544	<544	<BRL
10/13/2015	S-NDCW-026-COMPOSITE-01	µg/kg	<539	<1080	<539	<539	<539	<539	<539	<BRL
10/13/2015	S-NDCW-027-COMPOSITE-01	µg/kg	<546	<1090	<546	<546	<546	<546	<546	<BRL
10/13/2015	S-NDCW-028-COMPOSITE-01	µg/kg	<604	<1210	<604	<604	<604	<604	<604	<BRL
10/26/2015	S-NDCW-038-COMPOSITE-01	µg/kg	<592	<1180	<592	<592	<592	<592	<592	<BRL
10/26/2015	S-NDCW-039-COMPOSITE-01	µg/kg	<568	<1140	<568	<568	<568	<568	<568	<BRL
11/5/2015	S-NDCW-42-COMPOSITE-01	µg/kg	<537	<1070	<537	<537	<537	<537	<537	<BRL
11/5/2015	S-NDCW-42-COMPOSITE-D1	µg/kg	<522	<1040	<522	<522	<522	<522	<522	<BRL
11/5/2015	S-NDCW-43-COMPOSITE-01	µg/kg	<408	<816	<408	<408	<408	<408	<408	<BRL
11/5/2015	S-NDCW-43-COMPOSITE-D1	µg/kg	<539	<1080	<539	<539	<539	<539	<539	<BRL
11/5/2015	S-NDCW-44-COMPOSITE-01	µg/kg	<492	<983	<492	<492	<492	<492	<492	<BRL
11/5/2015	S-NDCW-44-COMPOSITE-D1	µg/kg	<566	<1130	<566	<566	<566	<566	<566	<BRL
11/13/2015	S-NDCW-048-COMPOSITE-01	µg/kg	<522	<1040	<522	<522	<522	<522	<522	<BRL
11/13/2015	S-NDCW-049-COMPOSITE-01	µg/kg	<596	<1190	<596	<596	<596	<596	<596	<BRL
11/13/2015	S-NDCW-050-COMPOSITE-01	µg/kg	<506	<1010	<506	<506	<506	<506	<506	<BRL
12/3/2015	S-NDCW-054-COMPOSITE-01	µg/kg	<553	<1110	<553	<553	<553	<553	<553	<BRL
12/3/2015	S-NDCW-055-COMPOSITE-01	µg/kg	<412	<825	<412	<412	961	<412	<412	961
12/8/2015	S-NDCW-056-COMPOSITE-01	µg/kg	<483	<966	<483	<483	<483	<483	<483	<BRL
12/8/2015	S-NDCW-057-COMPOSITE-01	µg/kg	<510	<1020	<510	<510	1040	<510	<510	1040
12/8/2015	S-NDCW-058-COMPOSITE-01	µg/kg	<547	<1090	<547	<547	<547	<547	<547	<BRL
12/8/2015	S-NDCW-059-COMPOSITE-01	µg/kg	<580	<1160	<580	<580	<580	<580	<580	<BRL
2/2/2016	S-NDCW-068-COMPOSITE-01	µg/kg	<525	<1050	<525	<525	<525	<525	<525	<BRL
2/3/2016	S-NDCW-069-COMPOSITE-01	µg/kg	<579	<1160	<579	<579	<579	<579	<579	<BRL
2/5/2016	S-NDCW-070-COMPOSITE-01	µg/kg	<577	<1150	<577	<577	<577	<577	<577	<BRL
2/5/2016	S-NDCW-071-COMPOSITE-01	µg/kg	<578	<1160	<578	<578	<578	<578	<578	<BRL
2/5/2016	S-NDCW-072-COMPOSITE-01	µg/kg	<519	<1040	<519	<519	<519	<519	<519	<BRL

**Table 16**  
**Results North Die Cast Wall Confirmation Soil Samples for PCB Analysis Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
2/5/2016	S-NDCW-073-COMPOSITE-01	µg/kg	<609	<1220	<609	<609	<609	<609	<609	<BRL
2/5/2016	S-NDCW-074-COMPOSITE-01	µg/kg	<519	<1040	<519	<519	<519	<519	<519	<BRL
2/5/2016	S-NDCW-075-COMPOSITE-01	µg/kg	<591	<1180	<591	<591	<591	<591	<591	<BRL
2/5/2016	S-NDCW-076-COMPOSITE-01	µg/kg	<575	<1150	<575	<575	2720	<575	<575	2720
2/5/2016	S-NDCW-077-COMPOSITE-01	µg/kg	<2670	<5340	<2670	<2670	12800	<2670	<2670	12800
2/5/2016	S-NDCW-077-160-25-01-A1	µg/kg	<503	<1010	<503	<503	<503	<503	<503	<BRL
2/5/2016	S-NDCW-077-165-25-01-A2	µg/kg	<563	<1130	<563	<563	6100	<563	<563	6100
2/5/2016	S-NDCW-077-170-25-01-A3	µg/kg	<514	<1030	<514	<514	<514	<514	<514	<BRL
3/8/2016	S-NDCW-88-COMPOSITE-01	µg/kg	<565	<1130	<565	<565	<565	<565	<565	<BRL
3/8/2016	S-NDCW-89-COMPOSITE-01	µg/kg	<534	<1070	<534	<534	<534	<534	<534	<BRL
3/14/2016	S-NDCW-90-COMPOSITE-01	µg/kg	<535	<1070	<535	<535	<535	<535	<535	<BRL
3/14/2016	S-NDCW-91-COMPOSITE-01	µg/kg	<524	<1050	<524	<524	<524	<524	<524	<BRL
3/18/2016	S-NDCW-93-COMPOSITE-01	µg/kg	<491	<983	<491	<491	<491	<491	<491	<BRL
3/18/2016	S-NDCW-95-COMPOSITE-01	µg/kg	<526	<1050	<526	<526	<526	<526	<526	<BRL
3/18/2016	S-NDCW-96-COMPOSITE-01	µg/kg	<465	<930	<465	<465	2160	<465	<465	2160
3/18/2016	S-NDCW-96-COMPOSITE-D1	µg/kg	<529	<1060	<529	<529	1750	<529	<529	1750
3/18/2016	S-NDCW-97-COMPOSITE-01	µg/kg	<492	<984	<492	<492	1430	<492	<492	1430
3/18/2016	S-NDCW-97-COMPOSITE-D1	µg/kg	<480	<959	<480	<480	<480	<480	<480	<BRL
3/21/2016	S-NDCW-098-COMPOSITE-01	µg/kg	<422	<843	<422	<422	<422	<422	<422	<BRL
3/21/2016	S-NDCW-099-COMPOSITE-01	µg/kg	<422	<844	<422	<422	<422	<422	<422	<BRL
3/22/2016	S-NDCW-100-COMPOSITE-01	µg/kg	<552	<1100	<552	<552	<552	<552	<552	<BRL
3/22/2016	S-NDCW-100-COMPOSITE-D01	µg/kg	<2570	<5150	<2570	<2570	16700	<2570	<2570	16700
3/22/2016	S-NDCW-100-225-15-01-A1	µg/kg	<615	<1230	<615	<615	<615	<615	<615	<BRL
3/22/2016	S-NDCW-100-230-15-01-A2	µg/kg	<467	<934	<467	<467	<467	<467	<467	<BRL
3/22/2016	S-NDCW-100-235-15-01-A3	µg/kg	<493	<985	<493	<493	<493	<493	<493	<BRL
3/22/2016	S-NDCW-101-COMPOSITE-01	µg/kg	<528	<1060	<528	<528	<528	<528	<528	<BRL
2/28/2016	S-NDCW-109-COMPOSITE-01	µg/kg	<539	<1080	<539	<539	<539	<539	<539	<BRL
2/28/2016	S-NDCW-110-COMPOSITE-01	µg/kg	<431	<862	<431	<431	<431	<431	<431	<BRL
2/28/2016	S-NDCW-111-COMPOSITE-01	µg/kg	<535	<1070	<535	<535	5180	<535	<535	5180
2/28/2016	S-NDCW-111-COMPOSITE-D1	µg/kg	<461	<922	<461	<461	4960	<461	<461	4960
2/28/2016	S-NDCW-111-175-25-01-A1	µg/kg	<566	<1130	<566	<566	<566	<566	<566	<BRL
2/28/2016	S-NDCW-111-180-25-01-A2	µg/kg	<617	<1230	<617	<617	<617	<617	<617	<BRL
2/28/2016	S-NDCW-111-185-25-01-A3	µg/kg	<561	<1120	<561	<561	3020	<561	<561	3020
2/28/2016	S-NDCW-111-190-25-01-A4	µg/kg	<583	<1170	<583	<583	<583	<583	<583	<BRL
2/28/2016	S-NDCW-111-195-25-01-A5	µg/kg	<560	<1120	<560	<560	<560	<560	<560	<BRL
2/28/2016	S-NDCW-112-COMPOSITE-01	µg/kg	<526	<1050	<526	<526	<526	<526	<526	<BRL
4/4/2016	S-NDCW-117-COMPOSITE-01	µg/kg	<594	<1190	<594	<594	<594	<594	<594	<BRL
4/4/2016	S-NDCW-118-COMPOSITE-01	µg/kg	<425	<849	<425	<425	2830	<425	<425	2830
3/14/2016	S-NDCW-D90-COMPOSITE-01	µg/kg	<527	<1050	<527	<527	<527	<527	<527	<BRL

**Table 17**  
**Results of South Die Cast Wall Confirmation Soil Samples for PCB Analysis, Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
9/16/2015	S-SDCAW-001-C001-001	µg/kg	<40.0	<80.0	<40.0	<40.0	192	<40.0	<40.0	192
9/16/2015	S-SDCAW-002-C002-006	µg/kg	<403	<807	<403	<403	1140	<40.3	54.8	1194.8
9/16/2015	S-SDCAW-002-A001-007	µg/kg	<39.9	<79.8	<39.9	<39.9	142	<39.9	<39.9	142
9/16/2015	S-SDCAW-002-A002-008	µg/kg	<37.0	<74.1	<37.0	<37.0	210	<37.0	<37.0	210
9/16/2015	S-SDCAW-002-A003-009	µg/kg	<43.7	<87.4	<43.7	<43.7	225	<43.7	<43.7	225
9/16/2015	S-SDCAW-002-A004-010	µg/kg	<776	<1550	<776	<776	2870	<776	<776	2870
9/17/2015	S-SDCAW-003-C003-011	µg/kg	<1790	<3570	<1790	<1790	10600	<1790	<1790	10600
9/17/2015	S-SDCAW-003-A001-012	µg/kg	<522	<1040	<522	<522	<522	<522	<522	<BRL
9/17/2015	S-SDCAW-003-A002-013	µg/kg	<5120	<10200	<5120	<5120	16600	<512	<512	16600
9/17/2015	S-SDCAW-003-A003-014	µg/kg	<5080	<10200	<5080	<5080	28100	<508	<508	28100
9/17/2015	S-SDCAW-003-A004-015	µg/kg	<4520	<9030	<4520	<4520	27100	<452	<452	27100
9/17/2015	S-SDCAW-004-C004-016	µg/kg	<1830	<3660	<1830	<1830	13700	<1830	<1830	13700
9/17/2015	S-SDCAW-004-A001-017	µg/kg	<9440	<18900	<9440	<9440	43400	<472	<472	43400
9/17/2015	S-SDCAW-004-A002-018	µg/kg	<4220	<8440	<4220	<4220	11500	<422	<422	11500
9/17/2015	S-SDCAW-004-A003-019	µg/kg	<502	<1000	<502	<502	1290	<502	<502	1290
9/17/2015	S-SDCAW-004-A004-020	µg/kg	<426	<851	<426	<426	1890	<426	<426	1890
9/17/2015	S-SDCAW-005-C005-021	µg/kg	<39.4	<78.8	<39.4	<39.4	<39.4	<39.4	<39.4	<BRL
9/22/2015	S-SDCW-008-COMPOSITE-01	µg/kg	<499	<999	<499	3990	<499	<499	<499	3990
9/22/2015	S-SDCW-009-COMPOSITE-01	µg/kg	<520	<1040	<520	<520	<520	<520	<520	<BRL
10/2/2015	S-SDCW-022-COMPOSITE-01	µg/kg	<551	<1100	<551	<551	<551	<551	<551	<BRL
10/2/2015	S-SDCW-023-COMPOSITE-01	µg/kg	<590	<1180	<590	<590	<590	<590	<590	<BRL
10/8/2015	S-SDCW-024-COMPOSITE-01	µg/kg	<519	<1040	<519	<519	<519	<519	<519	<BRL
10/13/2015	S-SDCW-029-COMPOSITE-01	µg/kg	<522	<1040	<522	<522	2510	<522	<522	2510
10/13/2015	S-SDCW-030-COMPOSITE-01	µg/kg	<578	<1160	<578	<578	<578	<578	<578	<BRL
10/13/2015	S-SDCW-031-COMPOSITE-01	µg/kg	<567	<1130	<567	<567	<567	<567	<567	<BRL
10/16/2015	S-SDCW-032-COMPOSITE-01	µg/kg	<39.7	<79.4	<39.7	<39.7	536	<39.7	<39.7	536
10/16/2015	S-SDCW-033-COMPOSITE-01	µg/kg	<40.9	<81.7	<40.9	<40.9	142	<40.9	<40.9	142
10/16/2015	S-SDCW-034-COMPOSITE-01	µg/kg	<40.8	<81.6	<40.8	<40.8	205	<40.8	52.3	257.3
10/21/2015	S-SDCW-035-COMPOSITE-01	µg/kg	<602	<1200	<602	<602	<602	<602	<602	<BRL
10/21/2015	S-SDCW-036-COMPOSITE-01	µg/kg	<558	<1120	<558	<558	<558	<558	<558	<BRL
10/21/2015	S-SDCW-037-COMPOSITE-01	µg/kg	<475	<949	<475	<475	<475	<475	<475	<BRL
10/26/2015	S-SDCW-040-COMPOSITE-01	µg/kg	<578	<1160	<578	<578	654	<578	<578	654
10/26/2015	S-SDCW-041-COMPOSITE-01	µg/kg	<559	<1120	<559	<559	<559	<559	<559	<BRL
11/6/2015	S-SDCW-045-COMPOSITE-01	µg/kg	<559	<1120	<559	<559	<559	<559	<559	<BRL
11/6/2015	S-SDCW-045-COMPOSITE-D1	µg/kg	<610	<1220	<610	<610	<610	<610	<610	<BRL
11/6/2015	S-SDCW-046-COMPOSITE-01	µg/kg	<479	<958	<479	<479	9270	<479	940	10210
11/6/2015	S-SDCW-046-COMPOSITE-D1	µg/kg	<424	<848	<424	<424	5480	<424	792	6272
11/6/2015	S-SDCW-046-125-05-01-A1	µg/kg	<521	<1040	<521	<521	<521	<521	<521	<BRL
11/6/2015	S-SDCW-046-130-05-01-A2	µg/kg	<440	<879	<440	<440	2510	<440	562	3072

**Table 17**  
**Results of South Die Cast Wall Confirmation Soil Samples for PCB Analysis, Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
11/6/2015	S-SDCW-046-135-05-01-A3	µg/kg	<429	<858	<429	<429	4140	<429	<429	4140
11/6/2015	S-SDCW-046-140-05-01-A4	µg/kg	<553	<1110	<553	<553	5270	<553	<553	5270
11/6/2015	S-SDCW-046-145-05-01-A5	µg/kg	<2290	<4590	<2290	<2290	13700	<2290	6890	20590
11/16/2015	S-SDCW-046-145-05-02-A5	µg/kg	<516	<1030	<516	<516	<516	<516	<516	<BRL
11/6/2015	S-SDCW-047-COMPOSITE-01	µg/kg	<236000	<473000	<236000	<236000	2530000	<236000	<236000	2530000
11/6/2015	S-SDCW-047-COMPOSITE-01d	µg/kg	<525	<1050	<525	<525	46800	<525	1770	48570
11/6/2015	S-SDCW-047-COMPOSITE-D1	µg/kg	<43100	<86300	<43100	<43100	174000	<43100	<43100	174000
11/6/2015	S-SDCW-047-COMPOSITE-D1d	µg/kg	<539	<1080	<539	<539	125000	<539	3150	128150
11/6/2015	S-SDCW-047-150-01-01-A1	µg/kg	<456	<911	<456	<456	2130	<456	<456	2130
11/6/2015	S-SDCW-047-155-01-01-A2	µg/kg	<509000	<1020000	<509000	<509000	9490000	<509000	<509000	9490000
11/6/2015	S-SDCW-047-160-01-01-A3	µg/kg	<2240	<4470	<2240	<2240	18400	<2240	2990	21390
11/6/2015	S-SDCW-047-165-01-01-A4	µg/kg	<531	<1060	<531	<531	1340	<531	<531	1340
11/6/2015	S-SDCW-047-170-01-01-A5	µg/kg	<570	<1140	<570	<570	5000	<570	<570	5000
11/16/2015	S-SDCW-047-150-05-02-A1	µg/kg	<365	<730	<365	<365	<365	<365	<365	<BRL
11/16/2015	S-SDCW-047-155-05-02-A2	µg/kg	<459	<918	<459	<459	<459	<459	<459	<BRL
11/16/2015	S-SDCW-047-160-05-02-A3	µg/kg	<438	<877	<438	<438	<438	<438	<438	<BRL
11/16/2015	S-SDCW-047-165-05-02-A4	µg/kg	<486	<973	<486	<486	<486	<486	<486	<BRL
11/20/2015	S-SDCW-051-COMPOSITE-01	µg/kg	<614	<1230	<614	<614	<614	<614	<614	<BRL
11/20/2015	S-SDCW-052-COMPOSITE-01	µg/kg	<451	<901	<451	<451	1930000	<451	41300	1971300
11/20/2015	S-SDCW-052-125-10-01-A1	µg/kg	<468	<937	<468	<468	1160	<468	<468	1160
11/20/2015	S-SDCW-052-130-10-01-A2	µg/kg	<488	<977	<488	<488	818	<488	<488	818
11/20/2015	S-SDCW-052-135-10-01-A3	µg/kg	<11800	<23600	<11800	<11800	112000	<11800	<11800	112000
11/20/2015	S-SDCW-052-140-10-01-A4	µg/kg	<10700000	<21400000	<10700000	<10700000	83100000	<10700000	<10700000	83100000
11/20/2015	S-SDCW-052-145-10-01-A5	µg/kg	<51500	<103000	<51500	<51500	350000	<51500	<51500	350000
12/8/2015	S-SDCW-052-135-10-02-A3	µg/kg	<425	<849	<425	<425	579	<425	<425	579
12/8/2015	S-SDCW-052-140-10-02-A4	µg/kg	<506	<1010	<506	<506	<506	<506	<506	<BRL
12/8/2015	S-SDCW-052-145-10-02-A5	µg/kg	<427	<854	<427	<427	865	<427	<427	865
11/20/2015	S-SDCW-053-COMPOSITE-01	µg/kg	<624	<1250	<624	<624	866	<624	<624	866
12/10/2015	S-SDCW-060-COMPOSITE-01	µg/kg	<560	<1120	<560	<560	<560	<560	<560	<BRL
12/10/2015	S-SDCW-061-COMPOSITE-01	µg/kg	<503	<1010	<503	<503	<503	<503	<503	<BRL
12/10/2015	S-SDCW-062-COMPOSITE-01	µg/kg	<573	<1150	<573	<573	<573	<573	<573	<BRL
12/10/2015	S-SDCW-063-COMPOSITE-01	µg/kg	<528	<1060	<528	<528	<528	<528	<528	<BRL
2/2/2016	S-SDCW-064-COMPOSITE-01	µg/kg	<550	<1100	<550	<550	<550	<550	<550	<BRL
2/2/2016	S-SDCW-065-COMPOSITE-01	µg/kg	<435	<869	<435	<435	<435	<435	<435	<BRL
2/2/2016	S-SDCW-066-COMPOSITE-01	µg/kg	<18400	<36900	<18400	<18400	114000	<18400	<18400	114000
2/2/2016	S-SDCW-066-100-25-01-A2	µg/kg	<2420	<4830	<2420	<2420	33500	<2420	<2420	33500
2/2/2016	S-SDCW-066-105-25-01-A3	µg/kg	<13400	<26800	<13400	<13400	245000	<13400	<13400	245000
2/2/2016	S-SDCW-066-110-25-01-A4	µg/kg	<524	<1050	<524	<524	977	<524	<524	977
2/2/2016	S-SDCW-066-95-25-01-A1	µg/kg	<595	<1190	<595	<595	<595	<595	<595	<BRL

**Table 17**  
**Results of South Die Cast Wall Confirmation Soil Samples for PCB Analysis, Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
2/9/2016	S-SDCW-066-100-25-02-A2	µg/kg	<576	<1150	<576	<576	<576	<576	<576	<BRL
2/9/2016	S-SDCW-066-105-25-02-A3	µg/kg	<564	<1130	<564	<564	<564	<564	<564	<BRL
2/2/2016	S-SDCW-067-COMPOSITE-01	µg/kg	<478	<956	<478	<478	<478	<478	<478	<BRL
2/8/2016	S-SDCW-078-COMPOSITE	µg/kg	<460	<920	<460	<460	<460	<460	<460	<BRL
2/8/2016	S-SDCW-079-COMPOSITE-01	µg/kg	<422	<844	<422	<422	<422	<422	<422	<BRL
2/8/2016	S-SDCW-080-COMPOSITE-01	µg/kg	<408	<816	<408	<408	<408	<408	<408	<BRL
2/9/2016	S-SDCW-081-COMPOSITE-01	µg/kg	<577	<1150	<577	<577	920	<577	<577	920
2/9/2016	S-SDCW-082-COMPOSITE-01	µg/kg	<617	<1230	<617	<617	<617	<617	<617	<BRL
2/9/2016	S-SDCW-083-COMPOSITE-01	µg/kg	<603	<1210	<603	<603	<603	<603	<603	<BRL
3/7/2016	S-SDCW-84-COMPOSITE-01	µg/kg	<518	<1040	<518	<518	9310	<518	855	10165
3/7/2016	S-SDCW-84-175-05-01-A1	µg/kg	<343	<686	<343	<343	64800	<343	1360	66160
3/7/2016	S-SDCW-84-180-05-01-A2	µg/kg	<438	<876	<438	<438	5450	<438	2300	7750
3/7/2016	S-SDCW-84-185-05-01-A3	µg/kg	<541	<1080	<541	<541	8110	<541	876	8986
3/7/2016	S-SDCW-84-190-05-01-A4	µg/kg	<556	<1110	<556	<556	1040	<556	<556	1040
3/7/2016	S-SDCW-84-195-05-01-A5	µg/kg	<519	<1040	<519	<519	2410	<519	<519	2410
3/16/2016	S-SDCW-84-175-05-02-A1	µg/kg	<9370	<18700	<9370	<9370	69100	<9370	30000	99100
3/22/2016	S-SDCW-084-175-05-03-A1	µg/kg	<540	<1080	<540	<540	<540	<540	<540	<BRL
3/7/2016	S-SDCW-85-COMPOSITE-01	µg/kg	<552	<1100	<552	<552	5340	<552	745	6085
3/7/2016	S-SDCW-85-COMPOSITE-D1	µg/kg	<2790	<5570	<2790	<2790	35300	<2790	<2790	35300
3/7/2016	S-SDCW-85-200-05-01-A1	µg/kg	<440	<879	<440	<440	3210	<440	488	3698
3/7/2016	S-SDCW-85-205-05-01-A2	µg/kg	<2400	<4810	<2400	<2400	25600	<2400	3190	28790
3/7/2016	S-SDCW-85-210-05-01-A3	µg/kg	<510	<1020	<510	<510	1930	<510	<510	1930
3/7/2016	S-SDCW-85-215-05-01-A4	µg/kg	<597	<1190	<597	<597	1970	<597	<597	1970
3/7/2016	S-SDCW-85-220-05-01-A5	µg/kg	<510	<1020	<510	<510	<510	<510	<510	<BRL
3/16/2016	S-SDCW-85-205-05-02-A2	µg/kg	<506	<1010	<506	<506	<506	<506	<506	<BRL
3/7/2016	S-SDCW-86-COMPOSITE-01	µg/kg	<225000	<450000	<225000	<225000	1470000	<225000	<225000	1470000
3/7/2016	S-SDCW-86-175-10-01-A1	µg/kg	<484	<967	<484	<484	3060	<484	<484	3060
3/7/2016	S-SDCW-86-180-10-01-A2	µg/kg	<438	<876	<438	<438	1490	<438	<438	1490
3/7/2016	S-SDCW-86-185-10-01-A3	µg/kg	<509	<1020	<509	<509	3090	<509	<509	3090
3/7/2016	S-SDCW-86-190-10-01-A4	µg/kg	<495	<990	<495	<495	<495	<495	<495	<BRL
3/7/2016	S-SDCW-86-195-10-01-A5	µg/kg	<114000	<227000	<114000	<114000	4710000	<114000	198000	4908000
3/17/2016	S-SDCW-86-195-10-02-A5	µg/kg	<524	<1050	<524	<524	<524	<524	<524	<BRL
3/7/2016	S-SDCW-87-COMPOSITE-01	µg/kg	<489	<979	<489	<489	<489	<489	<489	<BRL
4/4/2016	S-SDCW-117-COMPOSITE-DO1	µg/kg	<456	<912	<456	<456	<456	<456	<456	<BRL
4/7/2016	S-SDCW-122-COMPOSITE-01	µg/kg	<520	<1040	<520	<520	<520	<520	<520	<BRL
4/7/2016	S-SDCW-123-COMPOSITE-01	µg/kg	<560	<1120	<560	<560	<560	<560	<560	<BRL
4/7/2016	S-SDCW-123-COMPOSITE-D1	µg/kg	<457	<914	<457	<457	<457	<457	<457	<BRL
4/8/2016	S-SDCW-124-COMPOSITE-01	µg/kg	<651	<1300	<651	<651	<651	<651	<651	<BRL
4/8/2016	S-SDCW-124-COMPOSITE-D1	µg/kg	<598	<1200	<598	<598	<598	<598	<598	<BRL



**Table 17**  
**Results of South Die Cast Wall Confirmation Soil Samples for PCB Analysis, Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
4/8/2016	S-SDCW-124-225-05-01-A1	µg/kg	<631	<1260	<631	<631	<631	<631	<631	<BRL
4/8/2016	S-SDCW-124-230-05-01-A2	µg/kg	<519	<1040	<519	<519	1690	<519	<519	1690
4/8/2016	S-SDCW-124-235-05-01-A3	µg/kg	<490	<981	<490	<490	<490	<490	<490	<BRL
4/8/2016	S-SDCW-125-COMPOSITE-01	µg/kg	<534	<1070	<534	<534	<534	<534	<534	<BRL
4/8/2016	S-SDCW-125-240-05-01-A1	µg/kg	<577	<1150	<577	<577	627	<577	<577	627
4/8/2016	S-SDCW-125-245-05-01-A2	µg/kg	<503	<1010	<503	<503	<503	<503	<503	<BRL
4/8/2016	S-SDCW-125-250-05-01-A3	µg/kg	<512	<1020	<512	<512	<512	<512	<512	<BRL
4/8/2016	S-SDCW-126-COMPOSITE-01	µg/kg	<598	<1200	<598	<598	<598	<598	<598	<BRL
4/8/2016	S-SDCW-126-225-10-01-A1	µg/kg	<510	<1020	<510	<510	<510	<510	<510	<BRL
4/8/2016	S-SDCW-126-230-10-01-A2	µg/kg	<467	<935	<467	<467	<467	<467	<467	<BRL
4/8/2016	S-SDCW-126-235-10-01-A3	µg/kg	<522	<1040	<522	<522	<522	<522	<522	<BRL
4/8/2016	S-SDCW-127-COMPOSITE-01	µg/kg	<504	<1010	<504	<504	<504	<504	<504	<BRL
4/8/2016	S-SDCW-127-240-10-01-A1	µg/kg	<623	<1250	<623	<623	<623	<623	<623	<BRL
4/8/2016	S-SDCW-127-245-10-01-A2	µg/kg	<492	<984	<492	<492	<492	<492	<492	<BRL
4/8/2016	S-SDCW-127-250-10-01-A3	µg/kg	<552	<1100	<552	<552	<552	<552	<552	<BRL
4/13/2016	S-SDCW-128-COMPOSITE-01	µg/kg	<603	<1210	<603	<603	<603	<603	<603	<BRL
4/13/2016	S-SDCW-129-COMPOSITE-01	µg/kg	<418	<835	<418	<418	<418	<418	<418	<BRL
4/13/2016	S-SDCW-129-COMPOSITE-D1	µg/kg	<509	<1020	<509	<509	<509	<509	<509	<BRL
4/14/2016	S-SDCW-130-COMPOSITE-01	µg/kg	<588	<1180	<588	<588	<588	<588	<588	<BRL
4/14/2016	S-SDCW-131-COMPOSITE-01	µg/kg	<618	<1240	<618	<618	<618	<618	<618	<BRL
4/14/2016	S-SDCW-131-COMPOSITE-D1	µg/kg	<441	<881	<441	<441	<441	<441	<441	<BRL
5/3/2016	S-SDCW-133-COMPOSITE-01	µg/kg	<482	<965	<482	<482	<482	<482	<482	<BRL
5/3/2016	S-SDCW-134-COMPOSITE-01	µg/kg	<415	<830	<415	<415	<415	<415	<415	<BRL
5/3/2016	S-SDCW-135-COMPOSITE-01	µg/kg	<536	<1070	<536	<536	<536	<536	<536	<BRL
5/3/2016	S-SDCW-136-COMPOSITE-01	µg/kg	<450	<900	<450	<450	<450	<450	14900	14900
5/3/2016	S-SDCW-136-240-20-01-A1	µg/kg	<570	<1140	<570	<570	<570	<570	<570	<BRL
5/3/2016	S-SDCW-136-245-20-01-A2	µg/kg	<531	<1060	<531	<531	<531	<531	2500	2500
5/3/2016	S-SDCW-136-250-20-01-A3	µg/kg	<618	<1240	<618	<618	<618	<618	<618	<BRL
5/3/2016	S-SDCW-137-COMPOSITE-01	µg/kg	<494	<988	<494	<494	<494	<494	<494	<BRL
5/3/2016	S-SDCW-138-COMPOSITE-01	µg/kg	<414	<828	<414	<414	<414	<414	<414	<BRL
5/3/2016	S-SDCW-138-COMPOSITE-D1	µg/kg	<512	<1020	<512	<512	<512	<512	<512	<BRL

**Table 18**  
**Results of West Die Cast Wall Confirmation Soil Samples for PCB Analysis, Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
3/14/2016	S-WDCW-92-COMPOSITE-01	µg/kg	<994	<1990	<994	<994	10800	<994	<497	10800
3/14/2016	S-WDCW-92-05-05-01-A1	µg/kg	<419	<837	<419	<419	1310	<419	<419	1310
3/14/2016	S-WDCW-92-10-05-01-A2	µg/kg	<540	<1080	<540	<540	2960	<540	<540	2960
3/14/2016	S-WDCW-92-15-05-01-A3	µg/kg	<5140	<10300	<5140	<5140	71600	<5140	<5140	71600
3/14/2016	S-WDCW-92-20-05-01-A4	µg/kg	<2030	<4050	<2030	<2030	23200	<2030	<2030	23200
3/14/2016	S-WDCW-92-25-05-01-A5	µg/kg	<2620	<5240	<2620	<2620	13100	<2620	<2620	13100
3/18/2016	S-WDCW-94-COMPOSITE-01	µg/kg	<516	<1030	<516	<516	<516	<516	<516	<BRL
3/22/2016	S-WDCW-102-COMPOSITE-01	µg/kg	<608	<1220	<608	<608	<608	<608	<608	<BRL
3/22/2016	S-WDCW-103-COMPOSITE-01	µg/kg	<538	<1080	<538	<538	1200	<538	<538	1200
3/22/2016	S-WDCW-104-COMPOSITE-01	µg/kg	<598	<1200	<598	<598	792	<598	<598	792
3/22/2016	S-WDCW-105-COMPOSITE-01	µg/kg	<559	<1120	<559	<559	<559	<559	<559	<BRL
3/22/2016	S-WDCW-105-COMPOSITE-D01	µg/kg	<586	<1170	<586	<586	<586	<586	<586	<BRL
3/24/2016	S-WDCW-106-COMPOSITE-01	µg/kg	<453	<905	<453	<453	<453	<453	<453	<BRL
3/24/2016	S-WDCW-107-COMPOSITE-01	µg/kg	<524	<1050	<524	<524	<524	<524	<524	<BRL
3/24/2016	S-WDCW-108-COMPOSITE-01	µg/kg	<620	<1240	<620	<620	<620	<620	<620	<BRL
3/24/2016	S-WDCW-108-COMPOSITE-D1	µg/kg	<478	<957	<478	<478	<478	<478	<478	<BRL
3/29/2016	S-WDCW-113-COMPOSITE-01	µg/kg	<482	<963	<482	<482	<482	<482	<482	<BRL
3/29/2016	S-WDCW-114-COMPOSITE-01	µg/kg	<446	<892	<446	<446	<446	<446	<446	<BRL
3/29/2016	S-WDCW-115-COMPOSITE-01	µg/kg	<484	<969	<484	<484	<484	<484	<484	<BRL
3/29/2016	S-WDCW-116-COMPOSITE-01	µg/kg	<454	<908	<454	<454	<454	<454	<454	<BRL
3/29/2016	S-WDCW-116-COMPOSITE-D1	µg/kg	<464	<928	<464	<464	<464	<464	<464	<BRL
4/4/2016	S-WDCW-119-COMPOSITE-01	µg/kg	<427	<854	<427	<427	<427	<427	<427	<BRL
4/4/2016	S-WDCW-120-COMPOSITE-01	µg/kg	<132000	<263000	<132000	<132000	662000	<132000	<132000	662000
4/4/2016	S-WDCW-120-25-25-01-A1	µg/kg	<111000	<223000	<111000	<111000	528000	<111000	<111000	528000
4/4/2016	S-WDCW-120-30-25-01-A2	µg/kg	<610	<1220	<610	<610	953	<610	<610	953
4/4/2016	S-WDCW-120-35-25-01-A3	µg/kg	<587	<1170	<587	<587	2870	<587	<587	2870
4/4/2016	S-WDCW-120-40-25-01-A4	µg/kg	<592	<1180	<592	<592	<592	<592	<592	<BRL
4/11/2016	S-WDCW-120-25-25-02-A1	µg/kg	<426	<851	<426	<426	<426	<426	<426	<BRL
4/4/2016	S-WDCW-121-COMPOSITE-01	µg/kg	<506	<1010	<506	<506	<506	<506	<506	<BRL
4/18/2016	S-WDCW-132-COMPOSITE-01	µg/kg	<518	<1040	<518	<518	<518	<518	855	855
5/6/2016	S-WDCW-139-COMPOSITE-01	µg/kg	<477	<953	<477	<477	<477	<477	<477	<BRL
5/6/2016	S-WDCW-140-COMPOSITE-01	µg/kg	<421	<843	<421	<421	<421	<421	<421	<BRL
5/6/2016	S-WDCW-141-COMPOSITE-01	µg/kg	<445	<891	<445	<445	574	<445	657	1231
5/6/2016	S-WDCW-142-COMPOSITE-01	µg/kg	<443	<885	<443	<443	<443	<443	742	742
5/6/2016	S-WDCW-143-COMPOSITE-01	µg/kg	<44900	<89800	<44900	<44900	<44900	<44900	591000	591000
5/6/2016	S-WDCW-143-100-10-01-A3	µg/kg	<529	<1060	<529	<529	3070	<529	3270	6340
5/6/2016	S-WDCW-143-105-10-01-A4	µg/kg	<109000	<219000	<109000	<109000	654000	<109000	1860000	2514000
5/6/2016	S-WDCW-143-90-10-01-A1	µg/kg	<594	<1190	<594	<594	<594	<594	<594	<BRL
5/6/2016	S-WDCW-143-95-10-01-A2	µg/kg	<550	<1100	<550	<550	<550	<550	<550	<BRL

**Table 18**  
**Results of West Die Cast Wall Confirmation Soil Samples for PCB Analysis, Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
5/16/2016	S-WDCW-143-105-10-02-A4	µg/kg	<617	<1230	<617	<617	<617	<617	<617	<BRL
5/6/2016	S-WDCW-144-COMPOSITE-01	µg/kg	<86800	<174000	<86800	<86800	1020000	<86800	78400	1098400
5/6/2016	S-WDCW-144-COMPOSITE-D1	µg/kg	<151000	<301000	<151000	<151000	1200000	<151000	82200	1282200
5/6/2016	S-WDCW-144-110-10-01-A1	µg/kg	<244000	<489000	<244000	<244000	3820000	<244000	223000	4043000
5/6/2016	S-WDCW-144-115-10-01-A2	µg/kg	<24700	<49300	<24700	<24700	109000	<24700	163000	272000
5/6/2016	S-WDCW-144-120-10-01-A3	µg/kg	<503	<1010	<503	<503	1830	<503	<503	1830
5/6/2016	S-WDCW-144-125-10-01-A4	µg/kg	<426	<851	<426	<426	464	<426	<426	464
5/16/2016	S-WDCW-144-110-10-02-A1	µg/kg	<531	<1060	<531	<531	<531	<531	<531	<BRL
5/16/2016	S-WDCW-144-115-10-02-A2	µg/kg	<512	<1020	<512	<512	<512	<512	<512	<BRL
5/9/2016	S-WDCW-145-COMPOSITE-01	µg/kg	<3080	<6160	<3080	<3080	19800	<3080	<3080	19800
5/9/2016	S-WDCW-145-100-15-01-A3	µg/kg	<613	<1230	<613	<613	1530	<613	<613	1530
5/9/2016	S-WDCW-145-105-15-01-A4	µg/kg	<617	<1230	<617	<617	<617	<617	<617	<BRL
5/9/2016	S-WDCW-145-90-15-01-A1	µg/kg	<608	<1220	<608	<608	<608	<608	<608	<BRL
5/9/2016	S-WDCW-145-95-15-01-A2	µg/kg	<547	<1090	<547	<547	<547	<547	<547	<BRL
5/9/2016	S-WDCW-146-COMPOSITE-01	µg/kg	<611	<1220	<611	<611	<611	<611	<611	<BRL
5/9/2016	S-WDCW-146-COMPOSITE-D1	µg/kg	<542	<1080	<542	<542	<542	<542	<542	<BRL

**Table 19**  
**Results of CBI Building Foundation Wall Bulk Concrete Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
C-SSP-G1-01-01	ug/kg	<592	<592	<592	<592	<592	<592	<592	<BRL
C-SSP-L1-01-01	ug/kg	<433	<433	<433	<433	<433	<433	<433	<BRL
C-SSP-P9-01-01	ug/kg	<496	<496	<496	<496	<496	<496	<496	<BRL
C-SSP-S11-01-01	ug/kg	<515	<515	<515	<515	<515	<515	<515	<BRL

Table 20  
Results of Subslab Excavation Confirmation Soil Samples for PCB Analysis, Former Carter Carburetor Site

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
4/21/2017	S-SSE-A12-01-08	µg/kg	<591	<591	<591	<591	<591	<591	<591	<BRL
4/21/2017	S-SSE-A12-02-08	µg/kg	<494	<494	<494	<494	2880	<494	1080	3960
4/21/2017	S-SSE-A12-03-08	µg/kg	<587	<587	<587	<587	<587	<587	<587	<BRL
4/21/2017	S-SSE-A12-04-08	µg/kg	<542	<542	<542	<542	603	<542	<542	603
4/17/2017	S-SSE-A12-05-08	µg/kg	<591	<591	<591	<591	5320	<591	5080	10400
4/21/2017	S-SSE-A12-06-08	µg/kg	<609	<609	<609	<609	<609	<609	<609	<BRL
4/21/2017	S-SSE-A12-06-08D	µg/kg	<606	<606	<606	<606	<606	<606	<606	<BRL
4/21/2017	S-SSE-A12-07-08	µg/kg	<508	<508	<508	<508	<508	<508	<508	<BRL
4/21/2017	S-SSE-A12-08-08	µg/kg	<4180	<4180	<4180	<4180	20300	<4180	16100	36400
6/1/2017	S-SSE-A12-08-09	µg/kg	<565	<565	<565	<565	<565	<565	<565	<BRL
4/21/2017	S-SSE-A12-09-01	µg/kg	<586	<586	<586	<586	1560	<586	833	2393
4/21/2017	S-SSE-A12-NCOM-01	µg/kg	<496	<496	<496	<496	929	<496	<496	929
4/21/2017	S-SSE-A12-SCOM-01	µg/kg	<540	<540	<540	<540	6170	<540	3630	9800
4/21/2017	S-SSE-A12-SSW1-01	µg/kg	<543	<543	<543	<543	3270	<543	589	3859
4/21/2017	S-SSE-A12-SSW2-01	µg/kg	<494	<494	<494	<494	8410	<494	8790	17200
4/21/2017	S-SSE-A12-SSW3-01	µg/kg	<2640	<2640	<2640	<2640	14200	<2640	10200	24400
4/21/2017	S-SSE-A12-ECOM-01	µg/kg	<562	<562	<562	<562	9990	<562	4750	14740
4/21/2017	S-SSE-A12-ESW1-01	µg/kg	<517	<517	<517	<517	8990	<517	5780	14770
4/21/2017	S-SSE-A12-ESW2-01	µg/kg	<494	<494	<494	<494	<494	833	<494	833
4/21/2017	S-SSE-A12-ESW3-01	µg/kg	<618	<618	<618	<618	1420	<618	<618	1420
4/21/2017	S-SSE-A12-WCOM-08	µg/kg	<480	<480	<480	<480	1920	<480	<480	1920
4/14/2017	S-SSE-AA09-01-01	µg/kg	<538	<538	<538	<538	<538	<538	<538	<BRL
4/14/2017	S-SSE-AA09-01-01D	µg/kg	<606	<606	<606	<606	<606	<606	<606	<BRL
4/14/2017	S-SSE-AA09-02-01	µg/kg	<620	<620	<620	<620	<620	<620	<620	<BRL
4/14/2017	S-SSE-AA09-03-01	µg/kg	<361	<361	<361	<361	<361	<361	<361	<BRL
4/14/2017	S-SSE-AA09-04-01	µg/kg	<534	<534	<534	<534	<534	<534	<534	<BRL
4/14/2017	S-SSE-AA09-05-01	µg/kg	<534	<534	<534	<534	<534	<534	<534	<BRL
4/14/2017	S-SSE-AA09-06-01	µg/kg	<521	<521	<521	<521	<521	<521	<521	<BRL
4/14/2017	S-SSE-AA09-07-01	µg/kg	<558	<558	<558	<558	1390	<558	<558	1390
4/14/2017	S-SSE-AA09-08-01	µg/kg	<566	<566	<566	<566	<566	<566	<566	<BRL
4/14/2017	S-SSE-AA09-09-01	µg/kg	<632	<632	<632	<632	<632	<632	<632	<BRL
4/14/2017	S-SSE-AA09-ECOM-01	µg/kg	<553	<553	<553	<553	<553	625	<553	625
4/14/2017	S-SSE-AA09-NCOM-01	µg/kg	<428	<428	<428	<428	1960	619	<428	2579
4/14/2017	S-SSE-AA09-SCOM-01	µg/kg	<538	<538	<538	<538	<538	<538	<538	<BRL
4/14/2017	S-SSE-AA09-WCOM-01	µg/kg	<532	<532	<532	<532	<532	1040	<532	1040
4/18/2017	S-SSE-C11-01-01	µg/kg	<424	<424	<424	<424	1760	<424	<424	1760
4/18/2017	S-SSE-C11-01-01D	µg/kg	<448	<448	<448	<448	1700	<448	<448	1700
4/18/2017	S-SSE-C11-02-01	µg/kg	<599	<599	<599	<599	<599	<599	<599	<BRL
4/18/2017	S-SSE-C11-03-01	µg/kg	<2570	<2570	<2570	<2570	23500	<2570	<2570	23500
4/18/2017	S-SSE-C11-04-01	µg/kg	<572	<572	<572	<572	<572	<572	<572	<BRL
4/18/2017	S-SSE-C11-05-01	µg/kg	<590	<590	<590	<590	<590	<590	<590	<BRL



**Table 20**  
**Results of Subslab Excavation Confirmation Soil Samples for PCB Analysis, Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
4/18/2017	S-SSE-C11-06-01	µg/kg	<600	<600	<600	<600	<600	<600	<600	<BRL
4/18/2017	S-SSE-C11-07-01	µg/kg	<543	<543	<543	<543	<543	<543	<543	<BRL
4/18/2017	S-SSE-C11-08-01	µg/kg	<614	<614	<614	<614	<614	<614	<614	<BRL
4/18/2017	S-SSE-C11-09-01	µg/kg	<573	<573	<573	<573	<573	<573	<573	<BRL
4/18/2017	S-SSE-C11-ECOM-01	µg/kg	<542	<542	<542	<542	806	<542	<542	806
4/18/2017	S-SSE-C11-NCOM-01	µg/kg	<464	<464	<464	<464	5390	<464	<464	5390
4/18/2017	S-SSE-C11-SCOM-01	µg/kg	<444	<444	<444	<444	<444	<444	<444	<BRL
4/18/2017	S-SSE-C11-WCOM-01	µg/kg	<2080	<2080	<2080	<2080	14800	<2080	<2080	14800
4/17/2017	S-SSE-DD08-01-01	µg/kg	<585	<585	<585	<585	<585	<585	<585	<BRL
4/17/2017	S-SSE-DD08-02-01	µg/kg	<459	<459	<459	<459	<459	<459	<459	<BRL
4/17/2017	S-SSE-DD08-03-01	µg/kg	<479	<479	<479	<479	<479	<479	<479	<BRL
4/17/2017	S-SSE-DD08-04-01	µg/kg	<489	<489	<489	<489	<489	<489	<489	<BRL
4/17/2017	S-SSE-DD08-05-01	µg/kg	<433	<433	<433	<433	<433	<433	<433	<BRL
4/17/2017	S-SSE-DD08-06-01	µg/kg	<520	<520	<520	<520	<520	<520	<520	<BRL
4/17/2017	S-SSE-DD08-07-01	µg/kg	<544	<544	<544	<544	<544	<544	<544	<BRL
4/17/2017	S-SSE-DD08-08-01	µg/kg	<512	<512	<512	<512	678	<512	<512	678
4/17/2017	S-SSE-DD08-09-01	µg/kg	<566	<566	<566	<566	<566	<566	<566	<BRL
4/17/2017	S-SSE-DD08-09-01D	µg/kg	<470	<470	<470	<470	<470	<470	<470	<BRL
4/17/2017	S-SSE-DD08-ECOM-01	µg/kg	<534	<534	<534	<534	<534	<534	<534	<BRL
4/17/2017	S-SSE-DD08-NCOM-01	µg/kg	<435	<435	<435	<435	<435	<435	<435	<BRL
4/17/2017	S-SSE-DD08-SCOM-01	µg/kg	<533	<533	<533	<533	<533	<533	<533	<BRL
4/17/2017	S-SSE-DD08-WCOM-01	µg/kg	<421	<421	<421	<421	<421	<421	5800	5800
11/1/2016	S-SSE-E03-01-03	µg/kg	<547	<547	<547	<547	1180	<547	<547	1180
11/1/2016	S-SSE-E03-02-03	µg/kg	<523	<523	<523	<523	<523	<523	<523	<BRL
11/1/2016	S-SSE-E03-03-03	µg/kg	<453	<453	<453	<453	<453	<453	<453	<BRL
11/1/2016	S-SSE-E03-04-03	µg/kg	<4760	<4760	<4760	<4760	21000	<4760	<4760	21000
11/1/2016	S-SSE-E03-05-03	µg/kg	<2190	<2190	<2190	<2190	13700	<2190	<2190	13700
11/3/2016	S-SSE-E03-05-04	µg/kg	<2850	<2850	<2850	<2850	20200	<2850	<2850	20200
11/1/2016	S-SSE-E03-06-03	µg/kg	<488000	<488000	<488000	<488000	1960000	<488000	<488000	1960000
11/3/2016	S-SSE-E03-06-04	µg/kg	<12700	<12700	<12700	<12700	117000	<12700	<12700	117000
11/8/2016	S-SSE-E03-06-05	µg/kg	<560	<560	<560	<560	3490	<560	<560	3490
11/1/2016	S-SSE-E03-07-03	µg/kg	<586	<586	<586	<586	<586	<586	<586	<BRL
11/1/2016	S-SSE-E03-08-03	µg/kg	<481	<481	<481	<481	4320	<481	<481	4320
11/1/2016	S-SSE-E03-09-03	µg/kg	<4720	<4720	<4720	<4720	29200	<4720	<4720	29200
11/3/2016	S-SSE-E03-09-04	µg/kg	<516	<516	<516	<516	<516	<516	<516	<BRL
11/1/2016	S-SSE-E03-05D-03	µg/kg	<20800	<20800	<20800	<20800	70700	<20800	<20800	70700
11/1/2016	S-SSE-E03-ECOM-1	µg/kg	<565	<565	<565	<565	1470	<565	<565	1470
11/1/2016	S-SSE-E03-NCOM-1	µg/kg	<518	<518	<518	<518	<518	<518	<518	<BRL
11/1/2016	S-SSE-E03-SCOM1-02	µg/kg	<8210	<8210	<8210	<8210	52600	<8210	<8210	52600
11/1/2016	S-SSE-E03-SSW1-02	µg/kg	<421	<421	<421	<421	<421	<421	<421	<BRL
11/1/2016	S-SSE-E03-SSW2-02	µg/kg	<11800	<11800	<11800	<11800	48000	<11800	<11800	48000

**Table 20**  
**Results of Subslab Excavation Confirmation Soil Samples for PCB Analysis, Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
11/3/2016	S-SSE-E03-SSW22-02	µg/kg	<49100	<49100	<49100	<49100	459000	<49100	<49100	459000
11/8/2016	S-SSE-E03-SSW 23-02	µg/kg	<481	<481	<481	<481	<481	<481	<481	<BRL
11/1/2016	S-SSE-E03-SSW3-02	µg/kg	<29000	<29000	<29000	<29000	84900	<29000	<29000	84900
11/3/2016	S-SSE-E03-SSW32-02	µg/kg	<575	<575	<575	<575	<575	<575	<575	<BRL
11/1/2016	S-SSE-E03-WCOM-1	µg/kg	<12900	<12900	<12900	<12900	51800	<12900	<12900	51800
11/1/2016	S-SSE-E03-WSW1-02	µg/kg	<359	<359	<359	<359	1400	<359	<359	1400
11/1/2016	S-SSE-E03-WSW2-02	µg/kg	<439000	<439000	<439000	<439000	1420000	<439000	<439000	1420000
11/3/2016	S-SSE-E03-WSW22-02	µg/kg	<620	<620	<620	<620	<620	<620	<620	<BRL
11/8/2016	S-SSE-E03-WSW 23-02	µg/kg	<563	<563	<563	<563	2240	<563	<563	2240
11/1/2016	S-SSE-E03-WSW3-02	µg/kg	<351	<351	<351	<351	<351	<351	<351	<BRL
11/7/2016	S-SSE-E06-01-05	µg/kg	<512	<512	<512	<512	1810	<512	<512	1810
11/7/2016	S-SSE-E06-01D-05	µg/kg	<434	<434	<434	<434	2800	<434	<434	2800
11/2/2016	S-SSE-E06-02-03	µg/kg	<462	<462	<462	<462	2290	<462	3570	5860
11/2/2016	S-SSE-E06-02D-03	µg/kg	<414	<414	<414	<414	1700	<414	2510	4210
11/2/2016	S-SSE-E06-03-03	µg/kg	<624	<624	<624	<624	<624	<624	<624	<BRL
11/2/2016	S-SSE-E06-04-03	µg/kg	<448	<448	<448	<448	<448	<448	<448	<BRL
11/2/2016	S-SSE-E06-05-03	µg/kg	<545	<545	<545	<545	1170	<545	<545	1170
11/2/2016	S-SSE-E06-06-03	µg/kg	<580	<580	<580	<580	<580	<580	716	716
11/2/2016	S-SSE-E06-07-03	µg/kg	<472	<472	<472	<472	4770	<472	869	5639
11/2/2016	S-SSE-E06-08-03	µg/kg	<4830	<4830	<4830	<4830	20900	<4830	<4830	20900
11/2/2016	S-SSE-E06-09-03	µg/kg	<1980	<1980	<1980	<1980	11900	<1980	<1980	11900
11/2/2016	S-SSE-E06-ECOM-1	µg/kg	<507	<507	<507	<507	4570	<507	<507	4570
11/2/2016	S-SSE-E06-SCOM-1	µg/kg	<376	<376	<376	<376	621	<376	550	1171
11/8/2016	S-SSE-E06-SSW 32-02	µg/kg	<621	<621	<621	<621	<621	<621	<621	<BRL
11/2/2016	S-SSE-E06-WCOM-1	µg/kg	<14100	<14100	<14100	<14100	65700	<14100	<14100	65700
11/2/2016	S-SSE-E06-WSW2-02	µg/kg	<5640	<5640	<5640	<5640	<5640	27800	<5640	27800
11/2/2016	S-SSE-E06-WSW3-02	µg/kg	<5370	<5370	<5370	<5370	<5370	6600	<5370	6600
11/8/2016	S-SSE-E06-WSW 32-02	µg/kg	<596	<596	<596	<596	<596	<596	<596	<BRL
4/17/2017	S-SSE-F12-01-01	µg/kg	<419	<419	<419	<419	<419	<419	<419	<BRL
4/17/2017	S-SSE-F12-02-01	µg/kg	<548	<548	<548	<548	<548	<548	<548	<BRL
4/17/2017	S-SSE-F12-03-01	µg/kg	<96100	<96100	<96100	<96100	310000	<96100	<96100	310000
4/28/2017	S-SSE-F12-03-03	µg/kg	<524	<524	<524	<524	<524	<524	<524	<BRL
4/17/2017	S-SSE-F12-04-01	µg/kg	<12600	<12600	<12600	<12600	59600	<12600	28100	87700
4/28/2017	S-SSE-F12-04-03	µg/kg	<116000	<116000	<116000	<116000	<116000	<116000	602000	602000
6/1/2017	S-SSE-F12-04-04	µg/kg	<473	<473	<473	<473	<473	<473	<473	<BRL
4/17/2017	S-SSE-F12-05-01	µg/kg	<474	<474	<474	<474	628	<474	<474	628
4/17/2017	S-SSE-F12-05-01D	µg/kg	<25900	<25900	<25900	<25900	104000	<25900	<25900	104000
4/28/2017	S-SSE-F12-05-03	µg/kg	<520	<520	<520	<520	<520	<520	<520	<BRL
4/17/2017	S-SSE-F12-06-01	µg/kg	<476	<476	<476	<476	1360	<476	990	2350
4/17/2017	S-SSE-F12-07-01	µg/kg	<466	<466	<466	<466	<466	<466	<466	<BRL
4/17/2017	S-SSE-F12-08-01	µg/kg	<531	<531	<531	<531	2990	<531	593	3583

**Table 20**  
**Results of Subslab Excavation Confirmation Soil Samples for PCB Analysis, Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
4/17/2017	S-SSE-F12-09-01	µg/kg	<473	<473	<473	<473	6930	<473	1380	8310
4/17/2017	S-SSE-F12-NCOM-01	µg/kg	<13200	<13200	<13200	<13200	31600	<13200	<13200	31600
4/28/2017	S-SSE-F12-NSW2-02	µg/kg	<439	<439	<439	<439	<439	<439	<439	<BRL
4/28/2017	S-SSE-F12-NSW3-02	µg/kg	<112000	<112000	<112000	<112000	455000	<112000	<112000	455000
6/1/2017	S-SSE-F12-NSW3-03	µg/kg	<550	<550	<550	<550	3250	<550	1230	4480
4/17/2017	S-SSE-F12-SCOM-01	µg/kg	<502	<502	<502	<502	4280	<502	836	5116
4/17/2017	S-SSE-F12-WCOM-01	µg/kg	<12000	<12000	<12000	<12000	39000	<12000	<12000	39000
4/28/2017	S-SSE-F12-WSW1-02	µg/kg	<2250	<2250	<2250	<2250	11300	<2250	<2250	11300
6/1/2017	S-SSE-F12-WSW3-02	µg/kg	<487	<487	<487	<487	650	<487	<487	650
4/14/2017	S-SSE-HH05-01-03	µg/kg	<478	<478	<478	<478	<478	<478	<478	<BRL
4/14/2017	S-SSE-HH05-02-03	µg/kg	<565	<565	<565	<565	<565	<565	<565	<BRL
4/14/2017	S-SSE-HH05-03-03	µg/kg	<504	<504	<504	<504	<504	<504	<504	<BRL
4/14/2017	S-SSE-HH05-04-03	µg/kg	<526	<526	<526	<526	<526	<526	<526	<BRL
4/14/2017	S-SSE-HH05-05-03	µg/kg	<463	<463	<463	<463	<463	<463	<463	<BRL
4/14/2017	S-SSE-HH05-06-03	µg/kg	<479	<479	<479	<479	<479	<479	<479	<BRL
4/14/2017	S-SSE-HH05-07-03	µg/kg	<493	<493	<493	<493	<493	<493	<493	<BRL
4/14/2017	S-SSE-HH05-08-03	µg/kg	<529	<529	<529	<529	<529	4620	<529	4620
4/14/2017	S-SSE-HH05-09-03	µg/kg	<627	<627	<627	<627	<627	<627	<627	<BRL
4/14/2017	S-SSE-HH05-09-03D	µg/kg	<495	<495	<495	<495	<495	<495	<495	<BRL
4/14/2017	S-SSE-HH05-ESW1-03	µg/kg	<551	<551	<551	<551	<551	<551	<551	<BRL
4/14/2017	S-SSE-HH05-NCOM-03	µg/kg	<511	<511	<511	<511	<511	<511	<511	<BRL
4/14/2017	S-SSE-HH05-SCOM-03	µg/kg	<578	<578	<578	<578	<578	<578	<578	<BRL
4/14/2017	S-SSE-HH05-WCOM-03	µg/kg	<401	<401	<401	<401	<401	859	<401	859
4/18/2017	S-SSE-M07-01-03	µg/kg	<461	<461	<461	<461	<461	<461	<461	<BRL
4/18/2017	S-SSE-M07-02-03	µg/kg	<613	<613	<613	<613	1210	<613	<613	1210
4/18/2017	S-SSE-M07-03-03	µg/kg	<536	<536	<536	<536	5190	<536	<536	5190
4/18/2017	S-SSE-M07-04-03	µg/kg	<573	<573	<573	<573	7340	<573	<573	7340
4/18/2017	S-SSE-M07-05-03	µg/kg	<547	<547	<547	<547	3030	<547	<547	3030
4/18/2017	S-SSE-M07-06-03	µg/kg	<409	<409	<409	<409	3750	<409	<409	3750
4/18/2017	S-SSE-M07-07-03	µg/kg	<4550	<4550	<4550	<4550	23200	<4550	<4550	23200
4/18/2017	S-SSE-M07-08-03	µg/kg	<494	<494	<494	<494	8140	<494	<494	8140
4/18/2017	S-SSE-M07-09-03	µg/kg	<25300	<25300	<25300	<25300	116000	<25300	<25300	116000
4/18/2017	S-SSE-M07-09-03D	µg/kg	<11700	<11700	<11700	<11700	77300	<11700	<11700	77300
5/24/2017	S-SSE-M07-09-04	µg/kg	<598	<598	<598	<598	<598	<598	<598	<BRL
4/18/2017	S-SSE-M07-ECOM-03	µg/kg	<2210	<2210	<2210	<2210	15200	<2210	<2210	15200
5/24/2017	S-SSE-M07-ESW3-03-02	µg/kg	<549	<549	<549	<549	<549	<549	<549	<BRL
4/18/2017	S-SSE-M07-NCOM-03	µg/kg	<559	<559	<559	<559	1420	<559	<559	1420
4/18/2017	S-SSE-M07-SCOM-03	µg/kg	<616	<616	<616	<616	<616	<616	<616	<BRL
4/18/2017	S-SSE-M07-WCOM-03	µg/kg	<473	<473	<473	<473	3380	<473	541	3921
4/17/2017	S-SSE-NN12-01-01	µg/kg	<571	<571	<571	<571	<571	<571	<571	<BRL
4/17/2017	S-SSE-NN12-01-01D	µg/kg	<614	<614	<614	<614	<614	<614	<614	<BRL

Table 20  
Results of Subslab Excavation Confirmation Soil Samples for PCB Analysis, Former Carter Carburetor Site

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
4/17/2017	S-SSE-NN12-02-01	µg/kg	<604	<604	<604	<604	<604	<604	<604	<BRL
4/17/2017	S-SSE-NN12-03-01	µg/kg	<557	<557	<557	<557	<557	<557	<557	<BRL
4/17/2017	S-SSE-NN12-04-01	µg/kg	<579	<579	<579	<579	<579	<579	<579	<BRL
4/17/2017	S-SSE-NN12-05-01	µg/kg	<569	<569	<569	<569	<569	<569	<569	<BRL
4/17/2017	S-SSE-NN12-06-01	µg/kg	<479	<479	<479	<479	<479	<479	<479	<BRL
4/17/2017	S-SSE-NN12-07-01	µg/kg	<576	<576	<576	<576	869	<576	<576	869
4/17/2017	S-SSE-NN12-08-01	µg/kg	<545	<545	<545	<545	<545	<545	<545	<BRL
4/17/2017	S-SSE-NN12-09-01	µg/kg	<463	<463	<463	<463	<463	<463	<463	<BRL
4/17/2017	S-SSE-NN12-ECOM-01	µg/kg	<458	<458	<458	<458	8120	<458	<458	8120
4/17/2017	S-SSE-NN12-NCOM-01	µg/kg	<474	<474	<474	<474	682	<474	<474	682
4/17/2017	S-SSE-NN12-SCOM-01	µg/kg	<524	<524	<524	<524	<524	<524	<524	<BRL
4/17/2017	S-SSE-NN12-WCOM-01	µg/kg	<553	<553	<553	<553	<553	<553	<553	<BRL
10/31/2016	S-SSE-PP04-01-04	µg/kg	<5000	<5000	<5000	<5000	24200	<5000	<5000	24200
10/31/2016	S-SSE-PP04-01D-04	µg/kg	<398	<398	<398	<398	<398	<398	<398	<BRL
10/31/2016	S-SSE-PP04-02-04	µg/kg	<513	<513	<513	<513	1560	<513	<513	1560
10/31/2016	S-SSE-PP04-03-04	µg/kg	<586	<586	<586	<586	621	<586	<586	621
10/31/2016	S-SSE-PP04-04-04	µg/kg	<465	<465	<465	<465	<465	<465	<465	<BRL
10/31/2016	S-SSE-PP04-05-04	µg/kg	<408	<408	<408	<408	<408	<408	<408	<BRL
10/31/2016	S-SSE-PP04-06-04	µg/kg	<525	<525	<525	<525	<525	<525	<525	<BRL
10/31/2016	S-SSE-PP04-07-04	µg/kg	<521	<521	<521	<521	614	<521	<521	614
10/31/2016	S-SSE-PP04-08-04	µg/kg	<458	<458	<458	<458	6760	<458	<458	6760
10/31/2016	S-SSE-PP04-09-04	µg/kg	<550	<550	<550	<550	<550	<550	<550	<BRL
10/31/2016	S-SSE-PP04-WCOM-1	µg/kg	<425	<425	<425	<425	2050	<425	<425	2050
10/31/2016	S-SSE-PP04-NCOM-1	µg/kg	<616	<616	<616	<616	<616	<616	<616	<BRL
10/31/2016	S-SSE-PP04-ECOM-1	µg/kg	<4160	<4160	<4160	<4160	27700	<4160	<4160	27700
10/31/2016	S-SSE-PP04-ESW1-02	µg/kg	<440	<440	<440	<440	4540	<440	<440	4540
10/31/2016	S-SSE-PP04-ESW2-02	µg/kg	<393	<393	<393	<393	<393	<393	<393	<BRL
10/31/2016	S-SSE-PP04-ESW3-02	µg/kg	<20400	<20400	<20400	<20400	89900	<20400	<20400	89900
11/7/2016	S-SSE-PP04-ESW-32-04	µg/kg	<615	<615	<615	<615	766	<615	<615	766
10/31/2016	S-SSE-PP04-SCOM-1	µg/kg	<27300	<27300	<27300	<27300	146000	<27300	<27300	146000
10/31/2016	S-SSE-PP04-SSW1-02	µg/kg	<511000	<511000	<511000	<511000	1070000	<511000	<511000	1070000
11/7/2016	S-SSE-PP04-SSW-12-04	µg/kg	<583	<583	<583	<583	3910	<583	<583	3910
10/31/2016	S-SSE-PP04-SSW2-02	µg/kg	<583	<583	<583	<583	2160	<583	<583	2160
10/31/2016	S-SSE-PP04-SSW3-02	µg/kg	<2510	<2510	<2510	<2510	13100	<2510	<2510	13100
11/7/2016	S-SSE-PP05-07-04	µg/kg	<2160	<2160	<2160	<2160	13200	<2160	<2160	13200
11/7/2016	S-SSE-QQ04-03-04	µg/kg	<434	<434	<434	<434	1600	<434	<434	1600
11/7/2016	S-SSE-QQ04-03-04D	µg/kg	<633	<633	<633	<633	3050	<633	<633	3050
11/7/2016	S-SSE-QQ05-01-04	µg/kg	<13300	<13300	<13300	<13300	69100	<13300	<13300	69100
11/10/2016	S-SSE-QQ05-01-05	µg/kg	<583	<583	<583	<583	8580	<583	<583	8580
11/7/2016	S-SSE-QQ05-01-ESW1	µg/kg	<431	<431	<431	<431	4670	<431	<431	4670
11/7/2016	S-SSE-QQ05-01-SSW1	µg/kg	<494	<494	<494	<494	<494	<494	<494	<BRL

Table 20  
Results of Subslab Excavation Confirmation Soil Samples for PCB Analysis, Former Carter Carburetor Site

Date Collected	Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
4/14/2017	S-SSE-QQ07-01-01	µg/kg	<497	<497	<497	<497	<497	<497	<497	<BRL
4/14/2017	S-SSE-QQ07-02-01	µg/kg	<458	<458	<458	<458	837	<458	<458	837
4/14/2017	S-SSE-QQ07-03-01	µg/kg	<517	<517	<517	<517	<517	<517	<517	<BRL
4/14/2017	S-SSE-QQ07-04-01	µg/kg	<568	<568	<568	<568	<568	<568	<568	<BRL
4/14/2017	S-SSE-QQ07-05-01	µg/kg	<613	<613	<613	<613	<613	<613	<613	<BRL
4/14/2017	S-SSE-QQ07-05-01D	µg/kg	<548	<548	<548	<548	675	<548	<548	675
4/14/2017	S-SSE-QQ07-06-01	µg/kg	<543	<543	<543	<543	<543	<543	<543	<BRL
4/14/2017	S-SSE-QQ07-07-01	µg/kg	<509	<509	<509	<509	<509	<509	<509	<BRL
4/14/2017	S-SSE-QQ07-08-01	µg/kg	<486	<486	<486	<486	<486	<486	<486	<BRL
4/14/2017	S-SSE-QQ07-09-01	µg/kg	<490	<490	<490	<490	<490	<490	<490	<BRL
4/14/2017	S-SSE-QQ07-ECOM-01	µg/kg	<487	<487	<487	<487	<487	<487	<487	<BRL
4/14/2017	S-SSE-QQ07-NCOM-01	µg/kg	<469	<469	<469	<469	5320	<469	613	5933
4/14/2017	S-SSE-QQ07-SCOM-01	µg/kg	<557	<557	<557	<557	<557	<557	<557	<BRL
4/14/2017	S-SSE-QQ07-WCOM-01	µg/kg	<420	<420	<420	<420	4770	<420	443	5213



**Table 21**  
**Results of Waste Water Treatment System Samples for Metals Analysis, Former Carter Carburetor Site**

Date Collected	Sample ID	Units	Cadmium	Iron	Selenium	Zinc	Chromium, Total	Beryllium	Barium	Arsenic	Antimony	Silver	Nickel	Mercury	Lead	Copper
9/21/2015	WWT-201509211010	mg/l	<0.0050	0.116	<0.0150	<0.0500	<0.0050	<0.0010	0.0197	0.0111	<0.0100	<0.0070	<0.0050	<0.00020	<0.0050	<0.0100
10/8/2015	WWT-201510081510	mg/l	<0.0050	0.262	<0.0150	<0.0500	<0.0050	<0.0010	0.0192	<0.0100	<0.0100	<0.0070	<0.0050	<0.00020	<0.0050	<0.0100
11/2/2015	WWT-201511020830	mg/l	<0.0050	0.532	<0.0150	<0.0500	<0.0050	<0.0010	0.0291	<0.0100	<0.0100	<0.0070	<0.0050	<0.00020	<0.0050	<0.0100
12/16/2015	WWT-201512161420	mg/l	<0.0050	<0.0500	<0.0150	<0.0500	<0.0050	<0.0010	0.0185	<0.0100	<0.0100	<0.0070	<0.0050	<0.00020	<0.0050	<0.0100
12/22/2015	WWT-201512220840	mg/l	<0.0050	0.118	<0.0150	<0.0500	<0.0050	<0.0010	0.0408	<0.0100	<0.0100	<0.0070	<0.0050	<0.00020	0.0074	<0.0100
1/8/2016	WWT-201601080830	mg/l	<0.0050	0.100	<0.0150	<0.0500	<0.0050	<0.0010	0.0156	<0.0100	0.0226	<0.0070	<0.0050	<0.00020	<0.0050	<0.0100
1/25/2016	WWT-201601251400	mg/l	<0.0050	0.0974	<0.0150	<0.0500	0.0146	<0.0010	0.0111	<0.0100	<0.0100	<0.0070	<0.0050	<0.00020	<0.0050	<0.0100
2/25/2016	WWT-201602251410	mg/l	<0.0050	<0.0500	<0.0150	<0.0500	<0.0050	<0.0010	0.0171	<0.0100	<0.0100	<0.0070	<0.0050	<0.00020	<0.0050	<0.0100
3/15/2016	WWT-201603151415	mg/l	<0.0050	<0.0500	<0.0150	<0.0500	<0.0050	<0.0010	0.0236	<0.0100	<0.0100	<0.0070	<0.0050	<0.00020	<0.0050	<0.0100
3/30/2016	WWT-201603301300	mg/l	<0.0050	0.884	<0.0150	0.0630	0.0065	<0.0010	0.0305	<0.0100	<0.0100	<0.0070	<0.0050	<0.00020	0.0055	<0.0100
4/28/2016	WWT-201604281200	mg/l	<0.0050	<0.0500	<0.0150	<0.0500	<0.0050	<0.0010	0.0197	<0.0100	<0.0100	<0.0070	<0.0050	<0.00020	<0.0050	<0.0100
5/17/2016	WWT-201605171045	mg/l	<0.0050	0.0843	<0.0150	<0.0500	<0.0050	<0.0010	0.0308	<0.0100	<0.0100	<0.0070	<0.0050	<0.00020	<0.0050	<0.0100
6/6/2016	WWT-201606061415	mg/l	<0.0050	0.103	<0.0150	<0.0500	<0.0050	<0.0010	0.0244	<0.0100	<0.0100	<0.0070	<0.0050	<0.00020	<0.0050	<0.0100
8/16/2016	WWT-201608160830	mg/l	<0.0050	0.671	<0.0150	<0.0500	<0.0050	<0.0010	0.0458	<0.0100	<0.0100	<0.0070	0.0058	<0.00020	0.0051	0.0120
9/12/2016	WWT-201609121400	mg/l	<0.0050	0.943	<0.0150	0.0946	<0.0050	<0.0010	0.0624	<0.0100	<0.0100	<0.0070	0.0107	<0.00020	<0.0050	0.0175
10/3/2016	WWT-201610031130	mg/l	<0.0050	0.427	<0.0150	0.128	<0.0050	<0.0010	0.0325	<0.0100	<0.0100	<0.0070	0.0198	<0.00020	<0.0050	0.0218
11/8/2016	WWT-201611081100	mg/l	<0.0050	0.591	<0.0150	<0.0500	<0.0050	<0.0010	0.0241	<0.0100	0.0121	<0.0070	<0.0050	<0.00020	<0.0050	0.0148
5/1/2017	WWT-201705011200	mg/l	<0.0050	1.720	<0.0150	0.150	<0.0050	<0.0010	0.0742	<0.0100	0.0142	<0.0070	<0.0050	0.00026	0.0174	0.0196
5/4/2017	WWT-201705041515	mg/l	<0.0050	1.950	<0.0150	0.0867	<0.0050	<0.0010	0.0612	<0.0100	<0.0100	<0.0070	0.0051	<0.00020	0.0155	0.0125
5/8/2017	WWT-201705081530	mg/l	<0.0050	0.369	<0.0150	<0.0500	<0.0050	<0.0010	0.0270	<0.0100	<0.0100	<0.0070	<0.0050	<0.00020	<0.0050	<0.0100
5/12/2017	WWT-201705121400	mg/l	<0.0050	0.593	<0.0150	<0.0500	<0.0050	<0.0010	0.0366	<0.0100	<0.0100	<0.0070	<0.0050	<0.00020	0.0061	0.0103
5/22/2017	WWT-201705220710	mg/l	<0.0050	0.310	<0.0150	<0.0500	0.0059	<0.0010	0.0374	<0.0100	<0.0100	<0.0070	<0.0050	<0.00020	<0.0050	<0.0100
5/22/2017	WWT-201705220710D	mg/l	<0.0050	0.287	0.0155	<0.0500	0.0051	<0.0010	0.0372	<0.0100	<0.0100	<0.0070	<0.0050	<0.00020	<0.0050	<0.0100
5/30/2017	WWT-201705301015	mg/l	<0.0050	0.786	<0.0150	<0.0500	0.0134	<0.0010	0.0600	<0.0100	<0.0100	<0.0070	0.0074	<0.00020	0.0091	0.0164
5/17/2018	DISCHARGE-LIQ-20180517	mg/l	<0.0050	<0.0500	na	<0.0500	<0.0050	na	na	na	na	na	<0.0050	na	<0.0100	<0.0100
5/24/2018	DISCHARGE-LIQ-20180524	mg/l	<0.0050	0.294	na	<0.0500	<0.0050	na	na	na	na	na	<0.0050	na	<0.0100	<0.0100
5/31/2018	DISCHARGE-LIQ-20180531	mg/l	<0.0050	0.378	<0.0150	<0.0500	<0.0050	<0.0010	0.0671	0.0172	<0.0150	<0.0070	<0.0050	na	<0.0100	<0.0100
9/13/2018	DISCHARGE-LIQ-20180913	mg/l	<0.0050	0.286	na	0.0642	<0.0050	na	na	na	na	na	<0.0050	na	<0.0100	0.0341
9/13/2018	BRINE-LIQ-20180913	mg/l	<0.0050	<0.0500	na	<0.0500	0.0580	na	na	na	na	na	0.0612	na	<0.0100	0.0122

Table 22  
Results of Waste Water Treatment System Samples for VOC Analysis, Former Carter Carburetor Site

	Sample ID	WWT-201509211010	WWT-201510081510	WWT-201511020830	WWT-201512161420	WWT-201512220840	WWT-201601080830
Date Collected		9/21/2015	10/8/2015	11/2/2015	12/16/2015	12/22/2015	1/8/2016
Parameter	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Bromochloromethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone		<10.0	11.2	<10.0	<10.0	<10.0	<10.0
1,1-Dichloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane		<1.0	<1.0	<1.0	<1.0	<1.0	1.0
Bromoform		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon disulfide		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ethylene chloride (Dichloromethane)		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorodifluoromethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Butanone (MEK)		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Chloromethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform		<1.0	<1.0	<1.0	<1.0	<1.0	5.7
Vinyl chloride		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chlorotoluene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Isopropyltoluene / p-Isopropyltoluene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
2-Dibromo-3-chloropropane		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hexachlorobutadiene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene		<1.0	1.7	2.6	<1.0	<1.0	<1.0
Methyl isobutyl ketone (MIBK)		<10.0	<10.0	<10.0	<10.0	<10.0	11.9
Dibromochloromethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Butylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Perfluorooctane (EDB) (ethylene dibromide)		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl isobutyl ketone/MBK		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dichloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyltertbutyl ether		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m-,p-,o-Xylene		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 22  
Results of Waste Water Treatment System Samples for VOC Analysis, Former Carter Carburetor Site

Sample ID		WWT-201601251400	WWT-201602251410	WWT-201603151415	WWT-201603301300	WWT-201604281200	WWT-201605171045
Date Collected		1/25/2016	2/25/2016	3/15/2016	3/30/2016	4/28/2016	5/17/2016
Parameter	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Bromochloromethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone		15.7	<10.0	<10.0	<10.0	<10.0	<10.0
1,1-Dichloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane		<1.0	2.7	1.6	<1.0	2.6	1.8
Bromoform		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon disulfide		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ylene chloride (Dichloromethane)		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorodifluoromethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Butanone (MEK)		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Chloromethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform		1.2	9.0	6.4	<1.0	8.5	8.7
Vinyl chloride		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chlorotoluene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
propyltoluene / p-Isopropyltoluene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
2-Dibromo-3-chloropropane		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hexachlorobutadiene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ethyl isobutyl ketone (MIBK)		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Dibromochloromethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Butylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
noethane (EDB) (ethylene dibromide)		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
none (Methyl butyl ketone/MBK)		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dichloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyltertbutyl ether		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m-,p-,o-Xylene		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 22  
Results of Waste Water Treatment System Samples for VOC Analysis, Former Carter Carburetor Site

Sample ID		WWT-201606061413	WWT-201608160839	WWT-201609121400	WWT-201610031130	WWT-201611081100	WWT-201705011200
Date Collected		6/6/2016	8/16/2016	9/12/2016	10/3/2016	11/8/2016	5/1/2017
Parameter	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Bromochloromethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone		<10.0	<10.0	<10.0	<10.0	<10.0	35.1
1,1-Dichloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane		<1.0	<1.0	<1.0	<1.0	1.7	<1.0
Bromoform		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon disulfide		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ylene chloride (Dichloromethane)		<1.0	<1.0	<1.0	<1.0	<1.0	23.5
Dichlorodifluoromethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Butanone (MEK)		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Chloromethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform		5.2	<1.0	<1.0	3.9	5.4	3.8
Vinyl chloride		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chlorotoluene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
propyltoluene / p-Isopropyltoluene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
2-Dibromo-3-chloropropane		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hexachlorobutadiene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0	1.9
1,1,2-Trichloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ethyl isobutyl ketone (MIBK)		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Dibromochloromethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Butylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
noethane (EDB) (ethylene dibromide)		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
none (Methyl butyl ketone/MBK)		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dichloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyltertbutyl ether		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethylene		<1.0	4.9	2.2	<1.0	<1.0	5.4
sec-Butylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m-,p-,o-Xylene		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 22  
Results of Waste Water Treatment System Samples for VOC Analysis, Former Carter Carburetor Site

Sample ID	WWT-201705041515	WWT-201705081530	WWT-201705121400	WWT-201705220710	WWT-201705220710	WWT-201705301015
Date Collected	5/4/2017	5/8/2017	5/12/2017	5/22/2017	5/22/2017	5/30/2017
Parameter	Units	ug/l	ug/l	ug/l	ug/l	ug/l
Bromochloromethane		<1.0	<1.0	<1.0	<1.0	<1.0
Acetone		22.4	<10.0	<10.0	<10.0	61.8
1,1-Dichloroethane		<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane		<1.0	1.1	<1.0	<1.0	<1.0
Bromoform		<1.0	<1.0	<1.0	<1.0	<1.0
Carbon disulfide		<5.0	<5.0	<5.0	<5.0	<5.0
ylene chloride (Dichloromethane)		36.8	2.1	<1.0	<1.0	<1.0
Dichlorodifluoromethane		<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane		<1.0	<1.0	<1.0	<1.0	<1.0
2-Butanone (MEK)		<10.0	<10.0	<10.0	<10.0	<10.0
Chloromethane		<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane		<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane		1.2	<1.0	<1.0	<1.0	<1.0
Benzene		<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform		<1.0	13.4	<1.0	<1.0	<1.0
Vinyl chloride		<1.0	<1.0	<1.0	<1.0	<1.0
2-Chlorotoluene		<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0
propyltoluene / p-Isopropyltoluene		<1.0	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane		<2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromo-3-chloropropane		<2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane		1.7	<1.0	<1.0	<1.0	<1.0
Naphthalene		<10.0	<10.0	<10.0	<10.0	<10.0
Hexachlorobutadiene		<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane		<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethylene		3.6	<1.0	1.0	<1.0	3.4
1,1,2-Trichloroethane		<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene		<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0
Toluene		1.4	<1.0	<1.0	<1.0	19.5
ethyl isobutyl ketone (MIBK)		<10.0	<10.0	<10.0	<10.0	<10.0
Dibromochloromethane		<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0
n-Butylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane		<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane		<1.0	<1.0	<1.0	<1.0	<1.0
Styrene		<1.0	<1.0	<1.0	<1.0	<1.0
noethane (EDB) (ethylene dibromide)		<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride		<1.0	<1.0	<1.0	<1.0	<1.0
none (Methyl butyl ketone/MBK)		<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dichloroethane		<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene		<1.0	<1.0	<1.0	<1.0	<1.0
Methyltertbutyl ether		<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethylene		9.1	4.1	<1.0	1.6	3.6
sec-Butylbenzene		<1.0	<1.0	<1.0	<1.0	<1.0
m-,p-,o-Xylene		<3.0	<3.0	<3.0	<3.0	<3.0



**Table 24**  
**Results of Waste Water Treatment System Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
WWT-201509211010	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<BRL
WWT201510081510	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<BRL
WWT-201511020830	<0.53	<0.53	<0.53	<0.53	6.8	<0.53	<0.53	6.8
WWT-201511091400	<1.0	<1.0	<1.0	<1.0	4.2	<1.0	<1.0	4.2
WWT201511101415	<1.1	<1.1	<1.1	<1.1	166	<1.1	7.4	173.4
WWT-201511111015	<1.0	<1.0	<1.0	<1.0	2.5	<1.0	<1.0	2.5
WWT-201511111015d	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	1.7
WWT-201511131450	<1.0	<1.0	<1.0	<1.0	12.2	<1.0	1.0	13.2
WWT-201511201500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
WWT-201512010745	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	1.1
WWT-201512010745d	<4.5	<4.5	<4.5	<4.5	1.8	<4.5	<4.5	1.8
WWT-201512031500	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<BRL
WWT-20151203HYDR	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<BRL
WWT-201512040630	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
WWT-201512040815	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<BRL
WWT-201512040910	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
WWT-201512161420	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
WWT-201512210810	<1.0	<1.0	<1.0	2.3	<1.0	<1.0	<1.0	2.3
WWT-201512220840	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	1.1
WWT-201512231400	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<BRL
WWT-201512231503	<1.1	<1.1	<1.1	<1.1	0.53	<1.1	<1.1	0.53
WWT-201512311215	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
WWT-201601051315	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	1.4
WWT-201601080830	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
WWT-201601251400	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	1.4
WWT-201602251410	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
WWT-201603151415	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
WWT-201603301300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
WWT-201604281200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
WWT-201605171045	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
WWT-201606061415	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
WWT-201608160830	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL

**Table 24**  
**Results of Waste Water Treatment System Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
WWT-201609121400	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
WWT-201610031130	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
WWT-201611081100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
WWT-201705011200	<1.0	<1.0	<1.0	<1.0	11.9	<1.0	3.2	15.1
WWT-201705041515	<1.0	<1.0	<1.0	<1.0	10.6	<1.0	3.2	13.8
WWT-201705081530	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<BRL
WWT-201705121400 PCB	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
WWT-201705220710	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<BRL
WWT-201705220710D	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<BRL
WWT-201705301015	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<BRL

**Table 25**  
**Results of Equipment Decontamination Wipe Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
DC-WM-WWT-A61351M	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-C8-BKT-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-C8-TRK-L	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-G8-GPPL-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	1.1
DC-WM-WWT-A4749-F	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-WWT-A860-F	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K33-TRACK	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-WWT-A5503-DW	µg/100CM2	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	1.6
DC-WM-M136-BELT-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-M136-RAIL-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-C16-BLK-T	µg/100CM2	<1.0	<1.0	<1.0	<1.0	2.0	<1.0	<1.0	2
DC-WM-C16-TRK-L	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-M137-HPR-IN	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-M137-HPR-RAIL	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-GR21-GPPL-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K23-BKT-21	µg/100CM2	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	1
DC-WM-K23-BKT-97	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K23-TRK-L	µg/100CM2	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	1.1
DC-WM-K23-TRK-R	µg/100CM2	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	1
DC-WM-TC48-BKT	µg/100CM2	<1.0	<1.0	<1.0	<1.0	1.8	<1.0	<1.0	1.8
DC-WM-TC48-TRK	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-M137-BELT	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-BF400-260668-01	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-BF400-260668-02	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K32-GPPL-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K32-TRK-R	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-46D-MAG-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	5.6	<1.0	<1.0	5.6
DC-WM-BR-4099-2	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-GR4-GRPL-5	µg/100CM2	<1.0	<1.0	<1.0	<1.0	3.0	<1.0	<1.0	3
DC-WM-GR8-GRPL-5	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K18-BKT-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	1.2
DC-WM-K18-TRK-L	µg/100CM2	<1.0	<1.0	<1.0	<1.0	3.8	<1.0	<1.0	3.8
DC-WM-K18-TRK-R	µg/100CM2	<1.0	<1.0	<1.0	<1.0	1.8	<1.0	<1.0	1.8
DC-WM-K14-BK64-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K14-TRK-R	µg/100CM2	<1.0	<1.0	<1.0	<1.0	3.0	<1.0	<1.0	3
DC-WM-BKT-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-C10-TRK-L	µg/100CM2	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	1.1	2.8
DC-WM-M67-TRL-T	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-M67-VCW-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	1.5

**Table 25**  
**Results of Equipment Decontamination Wipe Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
DC-WM-DR-003238-FT-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	1.8	<1.0	<1.0	1.8
DC-WM-TC48-BKT-T	µg/100CM2	<1.0	<1.0	<1.0	<1.0	3.3	<1.0	<1.0	3.3
DC-WM-TC48-TRK-R	µg/100CM2	<1.0	<1.0	<1.0	<1.0	1.8	<1.0	<1.0	1.8
DC-WM-K13-BKT-5	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K13-TRK-R	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-WWT-A2600-F	µg/100CM2	<1.0	<1.0	<1.0	<1.0	2.7	<1.0	<1.0	2.7
DC-WM-WWT-A2600-W	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K25-BKT-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	3.6	<1.0	<1.0	3.6
DC-WM-K25-TRK-R	µg/100CM2	<1.0	<1.0	<1.0	<1.0	2.2	<1.0	<1.0	2.2
DC-WM-WWT-A5872-F	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-WWT-A5872-W	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-E06-T1-1	µg/100CM2	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	242	242
DC-WM-E06-T2-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	5.1	<1.0	6.8	11.9
DC-WM-E32i-BKT-T	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-E32i-TRK-L	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CAT740-RWB-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CAT740-TRKBO-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	7.1	<1.0	<1.0	7.1
DC-WM-K18-BKT-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	15.2	<1.0	1.0	16.2
DC-WM-K18-TRK-R	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-C10-BKT-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-C10-TRK-R	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K18-BKT-S2	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K25-BKT-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K25-TRK-L	µg/100CM2	<1.0	<1.0	<1.0	<1.0	8.4	<1.0	3.5	11.9
DC-WM-E05-T3-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K25-TRK-R2	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-WWT-A1837-F	µg/100CM2	<1.0	<1.0	<1.0	<1.0	8.0	<1.0	<1.0	8
DC-WM-WWT-A1837-W	µg/100CM2	<1.0	<1.0	<1.0	<1.0	19.7	<1.0	1.5	21.2
DC-WM-WWT-A5495-F	µg/100CM2	<1.0	<1.0	<1.0	<1.0	5.0	<1.0	<1.0	5
DC-WM-WWT-A5495-W	µg/100CM2	<1.0	<1.0	<1.0	<1.0	8.0	<1.0	1.1	9.1
DC-WM-WWT-A6420-F	µg/100CM2	<1.0	<1.0	<1.0	<1.0	4.4	<1.0	<1.0	4.4
DC-WM-WWT-A6420-W	µg/100CM2	<1.0	<1.0	<1.0	<1.0	10.1	<1.0	1.2	11.3
DC-WM-WWT-A7104-F	µg/100CM2	<1.0	<1.0	<1.0	<1.0	12.5	<1.0	1.1	13.6
DC-WM-WWT-A7104-W	µg/100CM2	<1.0	<1.0	<1.0	<1.0	14.2	<1.0	1.3	15.5
DC-WM-WWT-A1837-F-02	µg/100CM2	<1.0	<1.0	<1.0	<1.0	6.8	<1.0	<1.0	6.8
DC-WM-WWT-A1837-W-02	µg/100CM2	<1.0	<1.0	<1.0	<1.0	62.4	<1.0	2.5	64.9
DC-WM-WWT-A6420-F-02	µg/100CM2	<1.0	<1.0	<1.0	<1.0	2.4	<1.0	<1.0	2.4
DC-WM-WWT-A6420-W-02	µg/100CM2	<1.0	<1.0	<1.0	<1.0	3.6	<1.0	<1.0	3.6
DC-WM-WWT-A7104-F-02	µg/100CM2	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	<1.0	1.9

**Table 25**  
**Results of Equipment Decontamination Wipe Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
DC-WM-WWT-A7104-W-02	µg/100CM2	<1.0	<1.0	<1.0	<1.0	2.1	<1.0	<1.0	2.1
DC-WM-WWT-A1837-F-03	µg/100CM2	<1.0	<1.0	<1.0	<1.0	3.2	<1.0	<1.0	3.2
DC-WM-WWT-A1837-W-03	µg/100CM2	<1.0	<1.0	<1.0	<1.0	9.6	<1.0	<1.0	9.6
DC-WM-CBI-A12-01	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-BR-M75-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-799488-HOSE-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-799488-PUMP-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K32-GPPL-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K32-TRK-L	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K32-TRK-R	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CAT740-TRKBD-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CAT740-TRKBP-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CAT740-LWB-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-M67-VCW-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-M67-VCW-SD	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-M67-VCW-T	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-C10-BKT-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-C10-TRK-L	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-LRE-CRSHR-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-AWT73-SCALE-01	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-AWT74-SCALE-01	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-AWT75-SCALE-01	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K18-BKT-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K18-TRK-R	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K21-BLD-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-K21-TRK-L	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-TRUCK-WASH-IG1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-TRUCK-WASH-LW1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-TRUCK-WASH-RW1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-TRUCK-WASH-TG1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-WWT-A61341-F	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-WWT-A61341-W	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-C10-BKT-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-C10-TRK-L	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-M67-VCW-R	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-M67-VCW-S	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-WWT-A55821-F	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-WWT-A55821-W	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-TL10V2-BKT-C	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL



**Table 25**  
**Results of Equipment Decontamination Wipe Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
DC-WM-TL10V2-TRK-L	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-WWT-A5872-F	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-WWT-A5872-W	µg/100CM2	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	1.2
DC-WM-WWT-FTNG-5	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-WWT-FTNG-6	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-WWT-HOSE-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	3.6	<1.0	<1.0	3.6
DC-WM-WWT-HOSE-3	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CL400-TANK-L1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CL400-TANK-R1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-SUMP-PUMP-1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-CARBON -TANK-I1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	7.6	<1.0	<1.0	7.6
DC-WM-CARBON -TANK-S1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	6.7	<1.0	<1.0	6.7
DC-WM-FLT-RSV-IW1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<BRL
DC-WM-FLT-RSV-S1	µg/100CM2	<1.0	<1.0	<1.0	<1.0	2.1	<1.0	<1.0	2.1

**Table 26**  
**Results of Truck Route Surficial Soil Confirmation Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
TR-STP-TA1-03-01	µg/kg	<455	<455	<455	<455	<455	<455	<455	<BRL
TR-STP-TA1-09-01	µg/kg	<461	<461	<461	<461	<461	<461	<461	<BRL
TR-STP-TA2-05-01	µg/kg	<478	<478	<478	<478	<478	<478	<478	<BRL
TR-STP-TA2-09-01	µg/kg	<464	<464	<464	<464	<464	<464	<464	<BRL
TR-STP-TA3-05-01	µg/kg	<459	<459	<459	<459	<459	<459	<459	<BRL
TR-STP-TA3-06-01	µg/kg	<452	<452	<452	<452	<452	<452	<452	<BRL
TR-STP-TA4-04-01	µg/kg	<438	<438	<438	<438	<438	<438	<438	<BRL
TR-STP-TA4-06-01	µg/kg	<475	<475	<475	<475	<475	<475	<475	<BRL
TR-STP-TA5-03-01	µg/kg	<455	<455	<455	<455	<455	<455	<455	<BRL
TR-STP-TA5-07-01	µg/kg	<478	<478	<478	<478	<478	<478	<478	<BRL
TR-STP-TA6-03-01	µg/kg	<420	<420	<420	<420	<420	<420	<420	<BRL
TR-STP-TA6-07-01	µg/kg	<414	<414	<414	<414	<414	<414	<414	<BRL
TR-STP-TA7-01-01	µg/kg	<433	<433	<433	<433	<433	<433	<433	<BRL
TR-STP-TA7-08-01	µg/kg	<494	<494	<494	<494	581	<494	<494	581
TR-STP-TA8-04-01	µg/kg	<439	<439	<439	<439	528	<439	<439	528
TR-STP-TA8-05-01	µg/kg	<384	<384	<384	<384	974	<384	712	1686
TR-STP-TA9-02-01	µg/kg	<450	<450	<450	<450	<450	<450	<450	<BRL
TR-STP-TA9-04-01	µg/kg	<444	<444	<444	<444	498	<444	<444	498
TR-STP-TA10-05-01	µg/kg	<459	<459	<459	<459	<459	<459	<459	<BRL
TR-STP-TA10-05-01D	µg/kg	<439	<439	<439	<439	450	<439	<439	450
TR-STP-TA10-07-01	µg/kg	<401	<401	<401	<401	1810	<401	<401	1810
TR-STP-TA11-04-01	µg/kg	<451	<451	<451	<451	<451	<451	<451	<BRL
TR-STP-TA11-08-01	µg/kg	<431	<431	<431	<431	1380	<431	456	1836
TR-STP-TA12-06-01	µg/kg	<477	<477	<477	<477	<477	<477	<477	<BRL
TR-STP-TA12-09-01	µg/kg	<440	<440	<440	<440	<440	<440	<440	<BRL
TR-STP-TA13-04-01	µg/kg	<464	<464	<464	<464	<464	<464	<464	<BRL
TR-STP-TA13-06-01	µg/kg	<495	<495	<495	<495	<495	<495	<495	<BRL
TR-STP-TA14-02-01	µg/kg	<450	<450	<450	<450	<450	<450	<450	<BRL
TR-STP-TA14-03-01	µg/kg	<436	<436	<436	<436	<436	<436	<436	<BRL
TR-STP-TA15-02-01	µg/kg	<464	<464	<464	<464	<464	<464	<464	<BRL
TR-STP-TA15-03-01	µg/kg	<474	<474	<474	<474	<474	<474	<474	<BRL
TR-STP-TA16-04-01	µg/kg	<483	<483	<483	<483	<483	<483	<483	<BRL
TR-STP-TA16-07-01	µg/kg	<429	<429	<429	<429	<429	<429	<429	<BRL
TR-STP-TA17-01-01	µg/kg	<413	<413	<413	<413	<413	<413	<413	<BRL
TR-STP-TA17-05-01	µg/kg	<427	<427	<427	<427	<427	<427	<427	<BRL
TR-STP-TB1-07-01	µg/kg	<486	<486	<486	<486	<486	<486	<486	<BRL
TR-STP-TB1-09-01	µg/kg	<424	<424	<424	<424	<424	<424	<424	<BRL
TR-STP-TB2-04-01	µg/kg	<490	<490	<490	<490	<490	<490	<490	<BRL
TR-STP-TB2-09-01	µg/kg	<455	<455	<455	<455	683	<455	<455	683
TR-STP-TB3-02-01	µg/kg	<415	<415	<415	<415	<415	<415	<415	<BRL
TR-STP-TB3-03-01	µg/kg	<421	<421	<421	<421	<421	<421	<421	<BRL

**Table 26**  
**Results of Truck Route Surficial Soil Confirmation Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
TR-STP-TB3-03-01D	µg/kg	<414	<414	<414	<414	<414	<414	<414	<BRL
TR-STP-TB4-02-01	µg/kg	<369	<369	<369	<369	<369	<369	<369	<BRL
TR-STP-TB4-07-01	µg/kg	<413	<413	<413	<413	1280	<413	<413	1280
TR-STP-TB5-04-01	µg/kg	<367	<367	<367	<367	923	<367	<367	923
TR-STP-TB5-09-01	µg/kg	<410	<410	<410	<410	1500	<410	<410	1500
TR-STP-TB6-03-01	µg/kg	<430	<430	<430	<430	787	<430	<430	787
TR-STP-TB6-07-01	µg/kg	<352	<352	<352	<352	1230	<352	380	1610
TR-STP-TB7-01-01	µg/kg	<418	<418	<418	<418	816	<418	<418	816
TR-STP-TB7-08-01	µg/kg	<441	<441	<441	<441	<441	<441	<441	<BRL
TR-STP-TB8-01-01	µg/kg	<432	<432	<432	<432	<432	<432	<432	<BRL
TR-STP-TB8-03-01	µg/kg	<467	<467	<467	<467	723	<467	<467	723
TR-STP-TB9-01-01	µg/kg	<448	<448	<448	<448	498	<448	<448	498
TR-STP-TB9-07-01	µg/kg	<529	<529	<529	<529	541	<529	<529	541
TR-STP-TB10-06-01	µg/kg	<390	<390	<390	<390	992	<390	<390	992
TR-STP-TB10-08-01	µg/kg	<494	<494	<494	<494	2110	<494	<494	2110
TR-STP-TB11-02-01	µg/kg	<494	<494	<494	<494	596	<494	<494	596
TR-STP-TB11-07-01	µg/kg	<441	<441	<441	<441	889	<441	<441	889
TR-STP-TB12-06-01	µg/kg	<422	<422	<422	<422	1190	<422	<422	1190
TR-STP-TB12-07-01	µg/kg	<402	<402	<402	<402	1090	<402	<402	1090
TR-STP-TB13-01-01	µg/kg	<395	<395	<395	<395	<395	<395	<395	<BRL
TR-STP-TB13-01-01D	µg/kg	<375	<375	<375	<375	<375	<375	<375	<BRL
TR-STP-TB13-07-01	µg/kg	<431	<431	<431	<431	<431	<431	<431	<BRL
TR-STP-TB14-03-01	µg/kg	<473	<473	<473	<473	831	<473	<473	831
TR-STP-TB14-06-01	µg/kg	<390	<390	<390	<390	<390	<390	<390	<BRL
TR-STP-TB15-02-01	µg/kg	<458	<458	<458	<458	<458	<458	<458	<BRL
TR-STP-TB15-05-01	µg/kg	<366	<366	<366	<366	<366	<366	<366	<BRL
TR-STP-TB16-02-01	µg/kg	<463	<463	<463	<463	1440	<463	<463	1440
TR-STP-TB16-09-01	µg/kg	<574	<574	<574	<574	2320	<574	<574	2320
TR-STP-TB17-01-01	µg/kg	<382	<382	<382	<382	<382	<382	<382	<BRL
TR-STP-TB17-05-01	µg/kg	<474	<474	<474	<474	906	<474	<474	906
TR-STP-TC1-04-01	µg/kg	<522	<522	<522	<522	<522	<522	<522	<BRL
TR-STP-TC1-07-01	µg/kg	<483	<483	<483	<483	592	<483	<483	592
TR-STP-TC2-02-01	µg/kg	<457	<457	<457	<457	<457	<457	<457	<BRL
TR-STP-TC2-03-01	µg/kg	<467	<467	<467	<467	571	<467	<467	571
TR-STP-TC3-01-01	µg/kg	<505	<505	<505	<505	3220	<505	<505	3220
TR-STP-TC3-04-01	µg/kg	<482	<482	<482	<482	<482	<482	<482	<BRL
TR-STP-TC4-02-01	µg/kg	<2700	<2700	<2700	<2700	16700	<2700	<2700	16700
TR-STP-TC4-03-01	µg/kg	<494	<494	<494	<494	2590	<494	1150	3740
TR-STP-TC5-03-01	µg/kg	<505	<505	<505	<505	6690	<505	<505	6690
TR-STP-TC5-09-01	µg/kg	<474	<474	<474	<474	1590	<474	<474	1590
TR-STP-TC6-05-01	µg/kg	<398	<398	<398	<398	507	<398	<398	507

**Table 26**  
**Results of Truck Route Surficial Soil Confirmation Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
TR-STP-TC6-06-01	µg/kg	<380	<380	<380	<380	<380	<380	<380	<BRL
TR-STP-TC6-06-01D	µg/kg	<477	<477	<477	<477	<477	<477	<477	<BRL
TR-STP-TC7-03-01	µg/kg	<405	<405	<405	<405	<405	<405	<405	<BRL
TR-STP-TC7-09-01	µg/kg	<525	<525	<525	<525	2380	<525	<525	2380
TR-STP-TC8-01-01	µg/kg	<414	<414	<414	<414	928	<414	<414	928
TR-STP-TC8-05-01	µg/kg	<515	<515	<515	<515	780	<515	<515	780
TR-STP-TC9-03-01	µg/kg	<476	<476	<476	<476	1190	<476	<476	1190
TR-STP-TC9-09-01	µg/kg	<418	<418	<418	<418	1250	<418	<418	1250
TR-STP-TC10-07-01	µg/kg	<406	<406	<406	<406	516	<406	<406	516
TR-STP-TC10-08-01	µg/kg	<413	<413	<413	<413	<413	<413	<413	<BRL
TR-STP-TC11-04-01	µg/kg	<463	<463	<463	<463	<463	<463	<463	<BRL
TR-STP-TC11-07-01	µg/kg	<424	<424	<424	<424	<424	<424	<424	<BRL
TR-STP-TC12-08-01	µg/kg	<496	<496	<496	<496	568	<496	<496	568
TR-STP-TC12-09-01	µg/kg	<418	<418	<418	<418	<418	<418	<418	<BRL
TR-STP-TC13-01-01	µg/kg	<432	<432	<432	<432	<432	<432	441	441
TR-STP-TC13-04-01	µg/kg	<482	<482	<482	<482	<482	<482	<482	<BRL
TR-STP-TC14-03-01	µg/kg	<519	<519	<519	<519	924	<519	<519	924
TR-STP-TC14-04-01	µg/kg	<490	<490	<490	<490	<490	<490	<490	<BRL
TR-STP-TC15-03-01	µg/kg	<437	<437	<437	<437	693	<437	<437	693
TR-STP-TC15-07-01	µg/kg	<395	<395	<395	<395	<395	<395	<395	<BRL
TR-STP-TC16-05-01	µg/kg	<452	<452	<452	<452	793	<452	<452	793
TR-STP-TC16-09-01	µg/kg	<548	<548	<548	<548	573	<548	<548	573
TR-STP-TC16-09-01D	µg/kg	<517	<517	<517	<517	<517	<517	<517	<BRL
TR-STP-TC17-01-01	µg/kg	<451	<451	<451	<451	<451	<451	<451	<BRL
TR-STP-TC17-08-01	µg/kg	<547	<547	<547	<547	2180	<547	<547	2180
TR-STP-TD1-06-01	µg/kg	<416	<416	<416	<416	453	<416	<416	453
TR-STP-TD1-07-01	µg/kg	<491	<491	<491	<491	<491	<491	<491	<BRL
TR-STP-TD2-06-01	µg/kg	<510	<510	<510	<510	<510	<510	<510	<BRL
TR-STP-TD2-09-01	µg/kg	<434	<434	<434	<434	1270	<434	<434	1270
TR-STP-TD3-03-01	µg/kg	<501	<501	<501	<501	731	<501	<501	731
TR-STP-TD3-04-01	µg/kg	<392	<392	<392	<392	<392	<392	<392	<BRL
TR-STP-TD4-01-01	µg/kg	<474	<474	<474	<474	1770	<474	<474	1770
TR-STP-TD4-08-01	µg/kg	<437	<437	<437	<437	581	<437	<437	581
TR-STP-TD5-07-01	µg/kg	<448	<448	<448	<448	<448	<448	<448	<BRL
TR-STP-TD5-09-01	µg/kg	<447	<447	<447	<447	498	<447	<447	498
TR-STP-TD6-02-01	µg/kg	<508	<508	<508	<508	1360	<508	<508	1360
TR-STP-TD6-09-01	µg/kg	<442	<442	<442	<442	<442	<442	<442	<BRL
TR-STP-TD7-03-01	µg/kg	<455	<455	<455	<455	1370	<455	<455	1370
TR-STP-TD7-04-01	µg/kg	<452	<452	<452	<452	5240	<452	692	5932
TR-STP-TD8-06-01	µg/kg	<430	<430	<430	<430	2470	<430	447	2917
TR-STP-TD8-07-01	µg/kg	<497	<497	<497	<497	5910	<497	782	6692

**Table 26**  
**Results of Truck Route Surficial Soil Confirmation Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
TR-STP-TD9-05-01	µg/kg	<436	<436	<436	<436	769	<436	<436	769
TR-STP-TD9-06-01	µg/kg	<375	<375	<375	<375	1150	<375	<375	1150
TR-STP-TD9-06-01D	µg/kg	<488	<488	<488	<488	1350	<488	<488	1350
TR-STP-TD10-05-01	µg/kg	<432	<432	<432	<432	1080	<432	<432	1080
TR-STP-TD10-07-01	µg/kg	<497	<497	<497	<497	751	<497	<497	751
TR-STP-TD11-01-01	µg/kg	<347	<347	<347	<347	<347	<347	<347	<BRL
TR-STP-TD11-05-01	µg/kg	<428	<428	<428	<428	<428	<428	<428	<BRL
TR-STP-TD12-03-01	µg/kg	<409	<409	<409	<409	437	<409	<409	437
TR-STP-TD12-05-01	µg/kg	<430	<430	<430	<430	<430	<430	<430	<BRL
TR-STP-TD13-06-01	µg/kg	<387	<387	<387	<387	<387	<387	<387	<BRL
TR-STP-TD13-09-01	µg/kg	<430	<430	<430	<430	<430	<430	<430	<BRL
TR-STP-TD14-02-01	µg/kg	<496	<496	<496	<496	<496	<496	<496	<BRL
TR-STP-TD14-07-01	µg/kg	<429	<429	<429	<429	<429	<429	<429	<BRL
TR-STP-TD15-01-01	µg/kg	<439	<439	<439	<439	<439	<439	<439	<BRL
TR-STP-TD15-02-01	µg/kg	<355	<355	<355	<355	<355	<355	<355	<BRL
TR-STP-TE1-04-01	µg/kg	<494	<494	<494	<494	<494	<494	<494	<BRL
TR-STP-TE1-06-01	µg/kg	<488	<488	<488	<488	2090	<488	<488	2090
TR-STP-TE2-03-01	µg/kg	<470	<470	<470	<470	863	<470	<470	863
TR-STP-TE2-03-01D	µg/kg	<502	<502	<502	<502	571	<502	<502	571
TR-STP-TE2-09-01	µg/kg	<453	<453	<453	<453	1190	<453	<453	1190
TR-STP-TE3-04-01	µg/kg	<469	<469	<469	<469	967	<469	<469	967
TR-STP-TE3-06-01	µg/kg	<365	<365	<365	<365	1740	<365	<365	1740
TR-STP-TE4-07-01	µg/kg	<453	<453	<453	<453	465	<453	<453	465
TR-STP-TE4-09-01	µg/kg	<430	<430	<430	<430	629	<430	<430	629
TR-STP-TE5-04-01	µg/kg	<411	<411	<411	<411	<411	<411	<411	<BRL
TR-STP-TE5-09-01	µg/kg	<449	<449	<449	<449	608	<449	<449	608
TR-STP-TE6-03-01	µg/kg	<387	<387	<387	<387	<387	<387	<387	<BRL
TR-STP-TE6-08-01	µg/kg	<374	<374	<374	<374	<374	<374	<374	<BRL
TR-STP-TE7-04-01	µg/kg	<467	<467	<467	<467	<467	<467	<467	<BRL
TR-STP-TE7-05-01	µg/kg	<395	<395	<395	<395	488	<395	403	891
TR-STP-TE8-03-01	µg/kg	<2020	<2020	<2020	<2020	10200	<2020	<2020	10200
TR-STP-TE8-09-01	µg/kg	<362	<362	<362	<362	1170	<362	539	1709
TR-STP-TE9-05-01	µg/kg	<468	<468	<468	<468	1310	<468	<468	1310
TR-STP-TE9-06-01	µg/kg	<359	<359	<359	<359	1530	<359	589	2119
TR-STP-TE10-02-01	µg/kg	<415	<415	<415	<415	1140	<415	1460	2600
TR-STP-TE10-06-01	µg/kg	<444	<444	<444	<444	<444	<444	<444	<BRL
TR-STP-TE11-07-01	µg/kg	<419	<419	<419	<419	<419	<419	<419	<BRL
TR-STP-TE11-09-01	µg/kg	<440	<440	<440	<440	<440	<440	<440	<BRL
TR-STP-TE12-04-01	µg/kg	<336	<336	<336	<336	1230	<336	479	1709
TR-STP-TE12-04-01D	µg/kg	<460	<460	<460	<460	1660	<460	740	2400
TR-STP-TE12-06-01	µg/kg	<459	<459	<459	<459	<459	<459	<459	<BRL

**Table 26**  
**Results of Truck Route Surficial Soil Confirmation Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
TR-STP-TE13-07-01	µg/kg	<455	<455	<455	<455	895	<455	477	1372
TR-STP-TE13-08-01	µg/kg	<400	<400	<400	<400	1040	<400	408	1448
TR-STP-TE14-02-01	µg/kg	<437	<437	<437	<437	696	<437	<437	696
TR-STP-TE14-07-01	µg/kg	<408	<408	<408	<408	1520	<408	2160	3680
TR-STP-TE15-04-01	µg/kg	<487	<487	<487	<487	<487	<487	<487	<BRL
TR-STP-TE15-05-01	µg/kg	<391	<391	<391	<391	397	<391	<391	397
TR-STP-TF1-06-01	µg/kg	<390	<390	<390	<390	799	<390	<390	799
TR-STP-TF1-08-01	µg/kg	<2310	<2310	<2310	<2310	19400	<2310	<2310	19400
TR-STP-TF2-05-01	µg/kg	<443	<443	<443	<443	5130	<443	<443	5130
TR-STP-TF2-07-01	µg/kg	<2170	<2170	<2170	<2170	15700	<2170	<2170	15700
TR-STP-TF3-02-01	µg/kg	<468	<468	<468	<468	<468	<468	<468	<BRL
TR-STP-TF3-07-01	µg/kg	<494	<494	<494	<494	3320	<494	<494	3320
TR-STP-TF4-03-01	µg/kg	<511	<511	<511	<511	<511	<511	<511	<BRL
TR-STP-TF4-07-01	µg/kg	<426	<426	<426	<426	502	<426	<426	502
TR-STP-TF5-05-01	µg/kg	<474	<474	<474	<474	<474	<474	<474	<BRL
TR-STP-TF5-06-01	µg/kg	<393	<393	<393	<393	<393	<393	<393	<BRL
TR-STP-TF6-01-01	µg/kg	<481	<481	<481	<481	<481	<481	<481	<BRL
TR-STP-TF6-03-01	µg/kg	<440	<440	<440	<440	<440	<440	<440	<BRL
TR-STP-TF7-08-01	µg/kg	<475	<475	<475	<475	<475	<475	<475	<BRL
TR-STP-TF7-08-01D	µg/kg	<404	<404	<404	<404	<404	<404	<404	<BRL
TR-STP-TF7-09-01	µg/kg	<502	<502	<502	<502	1680	<502	644	2324
TR-STP-TF8-02-01	µg/kg	<443	<443	<443	<443	1190	<443	690	1880
TR-STP-TF8-07-01	µg/kg	<492	<492	<492	<492	600	<492	<492	600
TR-STP-TG1-02-01	µg/kg	<482	<482	<482	<482	<482	<482	<482	<BRL
TR-STP-TG1-05-01	µg/kg	<520	<520	<520	<520	<520	<520	<520	<BRL
TR-STP-TG2-02-01	µg/kg	<445	<445	<445	<445	<445	<445	<445	<BRL
TR-STP-TG2-05-01	µg/kg	<471	<471	<471	<471	<471	<471	<471	<BRL
TR-STP-TG3-05-01	µg/kg	<432	<432	<432	<432	695	<432	<432	695
TR-STP-TG3-09-01	µg/kg	<425	<425	<425	<425	789	<425	<425	789
TR-STP-TG4-01-01	µg/kg	<499	<499	<499	<499	1380	<499	<499	1380
TR-STP-TG4-08-01	µg/kg	<437	<437	<437	<437	1430	<437	443	1873
TR-STP-TG5-02-01	µg/kg	<480	<480	<480	<480	<480	<480	<480	<BRL
TR-STP-TG5-04-01	µg/kg	<484	<484	<484	<484	<484	<484	<484	<BRL
TR-STP-TG6-01-01	µg/kg	<429	<429	<429	<429	<429	<429	<429	<BRL
TR-STP-TG6-04-01	µg/kg	<400	<400	<400	<400	<400	<400	<400	<BRL
TR-STP-TG7-04-01	µg/kg	<485	<485	<485	<485	589	<485	<485	589
TR-STP-TG7-05-01	µg/kg	<444	<444	<444	<444	<444	<444	<444	<BRL
TR-STP-TG8-01-01	µg/kg	<368	<368	<368	<368	370	<368	417	787
TR-STP-TG8-05-01	µg/kg	<479	<479	<479	<479	831	<479	972	1803
TR-STP-TH1-01-01	µg/kg	<479	<479	<479	<479	<479	<479	<479	<BRL
TR-STP-TH1-01-01D	µg/kg	<499	<499	<499	<499	<499	<499	<499	<BRL



**Table 26**  
**Results of Truck Route Surficial Soil Confirmation Samples for PCB Analysis, Former Carter Carburetor Site**

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
TR-STP-TH1-08-01	µg/kg	<530	<530	<530	<530	<530	<530	<530	<BRL
TR-STP-TH2-01-01	µg/kg	<481	<481	<481	<481	<481	<481	<481	<BRL
TR-STP-TH2-09-01	µg/kg	<461	<461	<461	<461	2910	<461	604	3514
TR-STP-TH3-02-01	µg/kg	<419	<419	<419	<419	542	<419	<419	542
TR-STP-TH3-08-01	µg/kg	<2530	<2530	<2530	<2530	<2530	<2530	<2530	<BRL
TR-STP-TH4-05-01	µg/kg	<420	<420	<420	<420	678	<420	<420	678
TR-STP-TH4-06-01	µg/kg	<519	<519	<519	<519	782	<519	<519	782
TR-STP-TH5-05-01	µg/kg	<467	<467	<467	<467	<467	<467	<467	<BRL
TR-STP-TH5-09-01	µg/kg	<414	<414	<414	<414	633	<414	<414	633
TR-STP-TH6-07-01	µg/kg	<498	<498	<498	<498	762	<498	<498	762
TR-STP-TH6-08-01	µg/kg	<421	<421	<421	<421	588	<421	<421	588
TR-STP-TH7-06-01	µg/kg	<476	<476	<476	<476	<476	<476	<476	<BRL
TR-STP-TH7-07-01	µg/kg	<385	<385	<385	<385	<385	<385	<385	<BRL
TR-STP-TH8-01-01	µg/kg	<367	<367	<367	<367	1350	<367	3030	4380
TR-STP-TH8-05-01	µg/kg	<401	<401	<401	<401	3350	<401	4270	7620
TR-STP-TI1-06-01	µg/kg	<388	<388	<388	<388	4880	<388	<388	4880
TR-STP-TI2-03-01	µg/kg	<475	<475	<475	<475	1870	<475	<475	1870
TR-STP-TI3-04-01	µg/kg	<417	<417	<417	<417	819	<417	1210	2029
TR-STP-TI3-04-01D	µg/kg	<451	<451	<451	<451	584	<451	748	1332

Table 27  
Results of WILLCO Debris Stockpile Samples for PCB Analysis, Former Carter Carburetor Site

Sample ID	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
BD-DSP-WCB-DEBRIS-01	µg/kg	<440	<881	<440	<440	897	<440	<440	897
BD-DSP-WCB-DEBRIS-02	µg/kg	<455	<909	<455	<455	<455	<455	<455	<BRL
BD-DSP-WCB-DEBRIS-03	µg/kg	<493	<987	<493	<493	<493	<493	<493	<BRL
BD-DSP-WCB-DEBRIS-04	µg/kg	<492	<983	<492	<492	<492	<492	<492	<BRL
BD-DSP-WCB-DEBRIS-05	µg/kg	<505	<1010	<505	<505	1230	<505	<505	1230
BD-DSP-WCB-DEBRIS-06	µg/kg	<430	<860	<430	<430	470	<430	<430	470

Table 28  
Results of WILLCO Building Debris Samples for TCLP Lead and Chromium, Former Carter Carburetor Site

Date Collected	Sample ID	Unit	Metals-TCLP Lead	Metals-TCLP Chromium
4/18/2016	BD-DSP-WCB-DEBRIS-01 [TCLP]	mg/l	<0.50	<0.10

# APPENDIX A

## ACF Carter Carburetor Daily Field Packets: April 21, 2014-January 10, 2019

# APPENDIX B

## Clean Harbors (CHES) Lone Mountain LLC Waste Manifests

## APPENDIX C

### ACM Abatement Documentation:

1. Company/Worker Licenses
2. ACM Daily Logs
3. PCM Area Air Monitoring  
Data
4. Final Visual Inspection  
Forms
5. ACM Waste Manifests



# APPENDIX D

## Carter Carburetor Superfund Site Investigation Report(s)

# APPENDIX E

## Carter Carburetor Superfund Site Weekly Progress Reports

# APPENDIX F

## TRS ISTD/SVE ERH Weekly Reports

# APPENDIX G

## Engineering Evaluation and Cost Analysis (EECA)

# APPENDIX H

## Enforcement Action Memorandum (EAM)

# APPENDIX I

## CHES Remote Rail Facility Reports



# APPENDIX J

## State, Municipal, and Local Permitting

# APPENDIX K

## Institutional Control Plan (ICP) for the Carter Carburetor Site

# APPENDIX L

## Post Removal Site Control Plan (PRSCP) for the Carter Carburetor Site

# APPENDIX M

## Additional Waste Manifests

# APPENDIX N

## USEPA Approved Work Plans

# APPENDIX O

## Contractors and Subcontractors



# APPENDIX P

## USEPA CERCLA 07-2013-008 Administrative Settlement Agreement and Order on Consent for Removal Action

# APPENDIX Q

## Carter Carburetor Site Photo Log and Photographs

# APPENDIX R

## Carter Carburetor Site Notification to Property Owners

# APPENDIX S

## Carter Carburetor Site Proprietary Controls Package