SOIL MANAGEMENT PLAN

ROCK RIVER SEDIMENT REMOVAL PROJECT

JANESVILLE, WISCONSIN

BRRTS Activity # 02-54-577951

Prepared For:

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BACKGROUND

The Former General Motors (GM) Assembly Plant (the Site) located in Janesville (Rock County), Wisconsin has been assigned WDNR Bureau for Remediation and Redevelopment Tracking System (BRRTS) Number (#) 02-54-577951. The property is currently zoned as M2 – Commercial. The Site contains sediments impacted by contaminants of potential ecological concern (COPECs), including polycyclic aromatic hydrocarbons (PAHs), lead, mercury, and polychlorinated biphenyls (PCBs), that were identified near the Adjacent Outfall where storm water from the former GM plant discharged to the Rock River north of the substation along Delavan Drive in Janesville. Information regarding the sedimentation in this reach of the Rock River was initially reported in studies completed for the City as part of the Monterey Dam demolition planning (Inter-Fluve, Inc., 2015). Multiple site investigations and evaluations were subsequently conducted by GM as documented in the *Sediment Investigation Report* (GHD Report No. 21, May 2016), the *Rock River Site Investigation Report* (GHD Report No. 30, May 2017), and the *Remedial Action Options Report* (GHD Report No. 32, May 2017). Multiple lines of evidence from comprehensive studies of sediment quality impacts on local biological receptors were evaluated utilizing stastical methods and consensus-based guidance to assess potential ecological and human health exposure risks.

Sediments near the Adjacent Outfall are impacted by contaminants of potential ecological concern (COPECs), including PAHs, lead, mercury, and PCBs. Storm water from the former GM plant discharged to the Rock River via this outfall north of the substation along Delavan Drive. This RADR proposes to mitigate impacts near the outfall based upon the evaluation of potential risks to sediment-dwelling benthic invertebrates. It should be noted that GM reported no records of releases to stormwater and the contaminants identified near the outfall may have originated from other sources and not solely from historical GM operations. This documents the Soil Management Plan for the sediments that are to be removed during the dredging activities.

This RADR presents the project approach and objectives for removal of approximately 15,000 cubic yards of impacted sediment from a designated remedial action area covering approximately two acres within the Rock River in the pool upstream from the Monterey Dam. All sediment within the remedial action area shall be removed to refusal and a certified clean fill sand blanket placed upon completion of the project.

The project layout depicted on **Figure 3** proposes hydraulically dredging the impacted sediment using a shrouded Toyo 150B dredge pump and conveyance of the sediment / river water slurry to the former GM plant for dewatering and treatment. The slurry will be conveyed through a floating hose to temporary piping installed through the box culvert at the outfall leading back to the diversion chamber located south of Delevan Drive at the former GM Site. The granular solids within the slurry will be removed by settling in a concentrator tank and across a drying bed. The fluids containing fine-grained particles (concentrator supernatant) will be pumped into the large steel tank (#1) for additional solids removal by settling that may include polymerization. The water fraction will be pumped into the return water tank (#2). A fraction of the settled solids containing fine particles and organic matter will be filtered through geotextile tubes, with the ellutriant captured and recirculated to the settling tank.

Once removed from the drying bed, solids will be placed into segregated stockpiles located on concrete or asphalt and monitored using the paint-filter liquids test (PFLT) by ASTM 9095B, slump test, and/or field moisture content by the microwave method using paper cups. Once dewatered, dried sediments will be characterized for proper re-use onsite or final disposal offsite, in accordance with the Sampling and Analyses Plan and the Soil Management Plan described below. Five-point composite samples will be collected from each stockpile. Samples will be submitted to the laboratory and analyzed for the total concentrations of PAHs, PCBs, and metals. In addition, the water leach extraction procedure (ASTM Method 3987) will be followed and leachate analyzed for PAHs, PCBs, and metals. Initially, analytical results will be requested on a Rush turnaround time, typically 3-5 days (versus normal TAT of 10 days). The results will be compared to the industrial RCLs and transmitted to DNR upon receipt along with EAG's management path for the material.

Attached is the TCLP data that was provided in the General Motors Site Investigation that is adequate for screening for the hazardous categorization of the sediment. Also attached is a summary of the analytical results of the sediment samples obtained during the General Motors Site Investigation. The laboratory reports for these samples, including the chains of custody, were previously submitted to the WDNR.

The dredging activities are anticipated to start July 15, 2018 and take approximately 90 days to complete.

MANAGEMENT OF CONTAMINATED SOIL OR SOLID WASTES EXCAVATED DURING RESPONSE ACTIONS

It is requested that an exemption be granted in order to store and manage the dry sediment generated from this response action at the site which is not an operating licensed landfill (NR718.15). The Wisconsin DNR recommended format for exemption request is attached to this document. The information requested in Sections 3, 4, 5, 6, 8, 9, and 10 are included in this Soil Management Plan.

STORAGE OF EXCAVATED CONTAMINATED SOIL

Once removed from the drying bed, the dried sediment will be stored within the sand stockpile dividers and characterized. Based on the results of laboratory analyses soils will either be moved to the clean stock pile which will be used for beneficial reuse on the site or will be moved to the waste piles (which will have a plastic liner beneath all soils) for transportation offsite to an appropriate disposal facility. The location of the drying bed, sand stockpile dividers, clean stock pile and waste piles are presented in Figure 3.

In accordance with NR 718.05 (2), neither the sand stockpile dividers nor the clean stockpile locations are within a flood plain. These locations are more than 100-feet from a wetland, 300-feet from a navigable river, stream, lake, pond, or flowage, and more than 300-feet from any water supply well. The storage location (sand stockpile dividers and clean stock pile) presented in Figure 3 is more than 400-feet from the Rock River. Signs will be posted in the areas around the drying beds that will include the name, address, and phone number of the owner or operation, the types of hazardous substances on the property, the WDNR issued site ID number, and the anticipated removal date.

The dried sediment will be placed in the sand stockpile dividers on an impervious base (concrete pavement). The slope of the pavement beneath the sand stockpile dividers and the clean stock pile drains to existing stormwater inlet manholes that will be plugged to serve as a sump, and pumped back

into treatment Tank #1 to control surface water runoff. These soil piles will be covered at the end of the day if rain is predicted.

Samples of the dried sediment within the sand stockpile dividers (500 cubic yard piles) will be collected and analyzed per the Sampling and Analyses Plan. Samples will be analyzed for the COPEC identified during the Rock River sediment investigation and comparted to the industrial land use RSLs. Those samples with concentrations of COPEC less than the RSLs will be deemed suitable for beneficial reuse and placed in the clean stock pile. The exact location where these soils will be reused will be determined once redevelopment plans are finalized.

Those soil piles were concentrations of COPEC are greater than the industrial land use RSLs will be placed on plastic sheeting in the waste piles, solidified, permitted as non-hazardous waste, and offsite transportation to an appropriate disposal facility arranged. WDNR will be notified at least 3 days in advance of a plan to transport the soil offsite. The notification to the WDNR will include all information listing in NR718.05 2 (h).

All analytical results will be reported to the WDNR within 10 days of receipt. It is expected that approximately 30 to 40 samples will be collected as part of this scope of work. The attached form for sample results notification will be used.

The only storage pile that is anticipated to remain for more than 30 days is the clean stockpile (for beneficial reuse). This stockpile will be inspected every 30 days for erosion and stormwater controls. WDNR will also be notified if a soil stockpile will remain on site for more than 90 days.

No transportation or treatment, other than transporting impacted soils to an appropriate offsite facility is anticipated.

Once the dredging work is complete and the soil within the sand stockpile dividers have been sampled, those soils that have passed the criteria for beneficial reuse will be reused on the subject site.

Soils at the receiving site are generally fill material on top of silty-clay or clayey-silt. Based on boreholes advanced at the Site in September 2014, the uppermost material beneath the top soil, gravel fill, or concrete, consisted of alternating clay and silty, clayey, and/or gravelly sands. Clay was encountered at thicknesses ranging from to 1 to 4.5 feet. Groundwater was encountered at depths ranging from 4.5 to 7 feet bgs in various soil types (sand, clay, or gravel). The depth to water is observed at approximately 9-10 feet below ground surface. Groundwater flow is to the north-northwest toward the Rock River, which follows the general Site topography. These observations were recorded during previous site investigations across the receiving site and environmental investigations are still ongoing.

Any continuing obligations will be determined in the future based on the results of the analyses of the dry sediment samples. A copy of the property deed is attached to this document.





Remediation and Redevelopment Program

April 2017

Recommended Format for Exemption Request Wis. Admin. Code § NR 718.12 or § NR 718.15

Purpose

The purpose of this document is to provide a consistent format for consultants and responsible parties to demonstrate that the proposed management of solid waste material qualifies for a Wis. Admin. Code §§ NR 718.12 or NR 718.15 exemption and to request written approval of the exemption request. This document may be included as part of a Remedial Action Plan or Post Closure Modification Request, or can be submitted by itself depending on the activities conducted at the site. Using this recommended format will likely result in a faster DNR review. At a minimum, all exemption requests must satisfy the requirements of a soil management plan as outlined in Wis. Admin. Code § 718.12(2)(b).

Introduction

Soil and other solid waste generated from a response action site as part of an interim or remedial action may be managed at a site or facility that is not an operating licensed landfill if a Wis. Admin. Code §§ NR 718.12 or NR 718.15 exemption is obtained from the Department of Natural Resources (DNR). The site or facility where material will be managed (the receiving property) would be exempted from the Waste and Materials Management Program requirements established in Wis. Stat. § 289 and Wis. Admin. Code ch. NR 500 to NR 538. The "receiving property" may be the same site or facility where the solid waste was generated from, or it may be a different site or facility. An exemption through Wis. Admin. Code § NR 718.12 can be granted when soil is being managed as part of an interim action under Wis. Admin. Code § NR 708 or a remedial action under Wis. Admin. Code § NR 722. An exemption through Wis. Admin. Code § NR 718.15 can be granted when other solid waste material is managed as part of an interim or remedial action on the site from which it was generated. Managing solid waste material with either exemption requires prior written approval from the DNR.

If this exemption request involves contaminated material impacted by a discharge that has not been reported to the DNR, a 'Notification for Hazardous Substance Discharge (non-emergency)' form must be completed and submitted immediately as required by Wis. Admin. Code

§ NR 706. This form is located at http://dnr.wi.gov/files/pdf/forms/4400/4400-225.pdf.

This form is not intended to be used for immediate actions under Wis. Admin. Code § NR 708 as prior DNR approval is typically not required. Immediate actions do not require prior DNR approval if the requirements of Wis. Admin. Code § NR 718.12(1) are met, contaminant concentrations do not exceed Wis. Admin. Code § NR 720 soil residual contaminant levels, and the quantity of material managed is less than 100 cubic yards total.

Exemptions for projects involving large-scale disposal or requiring items such as a liner system, leachate treatment and an engineered cap, or projects proposing to place the material below the groundwater table, should not be requested using this format. Check with DNR staff before submitting such a proposal.

Document Instructions

Complete all sections of this document as instructed. Some portions of the document may be filled in directly as indicated, other responses will need to be completed separately and attached. Fully explain why any uncompleted section is not relevant. Submit one hardcopy and one electronic copy of the completed document and all required attachments and fees to the DNR project manager responsible for the site where the waste will be excavated. The request may be submitted to the regional environmental program associate (EPA) if a project manager has not been assigned to this case. A list of EPAs can be found here; http://dnr.wi.gov/topic/Brownfields/Contact.html.

Publication: RR-072 dnr.wi.gov Search "brownfield" This document is intended solely as guidance and does not include any mandatory requirements except where requirements found in statute or administrative rule are referenced This guidance does not establish or affect legal rights or obligations and is not finally determinative of any of the issues addressed This guidance does not create any rights enforceable by any party in litigation with the State of Wisconsin or the Department of Natural Resources Any regulatory decisions made by the Department of Natural Resources in any manner addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.

Section 1 - General Information and Fees

Identify the purpose of the exemption by checking each box that applies:

	Manage contaminated soil on the same response action site from which it was g	enerated (§ NR 718.12).
	Manage contaminated soil at a site or facility that is different from the response	
~	was generated (§ NR 718.12).	eg.

Manage other solid waste at the same site from which it was generated (§ NR 718.15).

If none of the above boxes are checked, the proposed waste management activity cannot be exempted through Wis. Admin. Code § NR 718. Management of waste material from a site other than a response action site may be allowed after obtaining a "low hazard exemption" from the DNR Waste and Material Management Program. Guidance on a 'low hazard exemption' request is located: http://dnr.wi.gov/files/PDF/pubs/wa/wa1645.pdf.

Identify the applicable Wis. Admin. Code § NR 749 DNR review fees for this submittal by checking the applicable "On-Site Management Fee." If material will be managed at a site or facility other than where it was generated, also select the appropriate "Off-Site Management Fee." Record the combined fee sums in the space provided below.

NR 749 Fees for Requesting Wis. Admin. Code §§ NR 718.12 Soli or NR 718.15 Exemption

Soil or Waste Managed on		AND THE RESIDENCE	
			
Action	Action Fee	WRRD Fee	On-Site MGMT Fee
Interim Actions per NR 708.11, with SMP and CO applied at other site/facility	\$700	No fee	5700
Remedial Action Plan approval, with SMP, without residual soil CO	\$1050	No fee	□ \$1050
Remedial Action Plan approval, with SMP, with residual soil CO	\$1050	\$300	□ \$1350
SMP submitted separately from a RAP or CO modification, without residual soil CO	\$700	No fee	□ \$700
SMP submitted separately from a RAP or CO modification, with residual soil CO	\$700	\$300	X \$1000
Closed Sites: CO modification action, with SMP, without residual soil CO	\$1050	No fee	□ \$1050
Closed Sites: CP modification action, with SMP, with residual soil CO	\$1050	\$300	□ \$1350
Soil Managed on a Site or Facility o	ther than the Gene	rating Property	Neg July
Action	Action Fee	WRRD Fee	Off-Site MGMT Fee
Interim Actions per NR 708.11, with SMP and CO applied at other site/facility	\$700	\$350	☐ \$1050
Interim Actions per NR 708.11, with SMP and no CO applied at other site/facility	\$700	No fee	□ \$700
All other Actions (Remedial actions, modifications to CO, etc.) with residual soil CO	\$700	\$300	\$1000
All other Actions (Remedial actions, post closure modifications, etc.) with no residual soil CO	\$700	No fee	□ \$700
Total of On-Site Management	\$		

Other: If the request does not conform to one of the options above, summarize the request below and the fee that is being paid:

- 1) SMP A Soil Management Plan submitted in accordance with NR 718.12 (1) and (2) or NR 718.15.
- 2) "With residual soil CO" site will have a residual soil continuing obligation (e.g. engineering control, cap, or cover) applied at the source property at the end of the applicable action; remedial action approval, or approval by an addendum to the closure letter.
- 3) "Without residual soil CO" site that will not have a residual soil continuing obligation applied at the source property at the end of the applicable action.
- 4) WRRD Wisconsin Remediation and Redevelopment Database

Section 2 - Property and Contact Information *Fill in all applicable portions of this section.*

A. Information About the Site or Facility Excavated – Complete all applicable				
BRRTS No.	BRRTS Activity (Site) Name			
02-54-577951	FORMER GM ASSEMBLY PLANT			
Response Action Site Address 1000 GENERAL MOTORS DRIVE	VPLE No.			
City	Parcel ID No.			
JANESVILLE	241 0401300001			
State	FID No.			
County				
County	Zip Code			
Rock	53546			
WTM Coordinates	WTM Coordinates Represent			
X: 42° 39' 51" N Y: 87° οι' 20" ω	Source Area Parcel Center			
1/4 Sec:	T: R: E/W:			
Latitude:	Longitude:			
Current Zoning:	Current Land Use:			
M2 - GENERAL INDUSTRIAL	FORMER ASSEMBLY PLANT - CHRENTLY VALAR			

The Wis. Admin. Code §§ NR 718.12 and/or NR 718.15 exemption(s) will be issued to the Wis. Admin. Code § NR 700 responsible party identified below and to the owner of the receiving site or facility, if different than the generating site. If there is more than one responsible party or property owner, include the information requested below for each as a separate document and attach to this document. If the responsible party is not the owner of the site or facility, provide that information below.

Responsible Party (RP) Name(s)	Company Name	-
	JAINES	LC
Signature(s)		Date
In Robert		6/29/18
maining readings	City	State ZIP Code
1515 Des Peres Road	ST. Louis	MO 63131
Suite 300	ST. Louis	20101
Phone # (include area code)	Email	
314-835-1515		
	r Facility From Which Ma	terial is Proposed to be
		terial is Proposed to be
C. Owner Information for Site o		terial is Proposed to be
C. Owner Information for Site of Excavated from, if Different to Responsible Party (RP) Name(s)	than Responsible Party	
C. Owner Information for Site of Excavated from, if Different t	than Responsible Party	terial is Proposed to be
C. Owner Information for Site of Excavated from, if Different to Responsible Party (RP) Name(s)	than Responsible Party	

Fill in this next section if someone other than the responsible party and/or facility owner is preparing this submittal.

D. Requestor Inf	ormation			
Last Name	First	Organization/Business Nar	ne	
Dunn	DANIEL	Envieo ANALYTICS	GROVE L	LC
Signature(s)	Cy clu	un	Date	26-18
Mailing Address	Page Pan	City	State	ZIP Code
SUITE 300	ERES KOMO	ST. Louis	Mo	63131
Phone No. (include are	a code)	Emali	_ = 0	10 m
314-835-	2814	DUNNEENVROAM	VALYTICS GROW	P. Com
☐ Is the propert☐ Is renting or I☐ Is developing	ty owner's agent or c easing the property	tor's relationship to the generating consultant	g property:	

Last Name	First	Organization/Business Name			
Dunn	DANIEL	ENVIROANALYTICS GROUP LLC			
Mailing Address 1515 Des Peres Romb Suite 300		DAUND CENVIRONNALYTICS GROUP. COM			
St. Lovis		Phone No. (Include area code) 314 - 835 - 2814			
State Mo	Zip Code 63131	Relationship to Requestor (Same, Consultant, Developer Etc.):			

F. Information About the Site or Facility Where Contaminated Soil Will Be Disposed, if at a Different Location Than The Site or Facility From Which it Was Generated Select If Same as Generating Property (and skip remainder of section) BRRTS No. **BRRTS Activity (Site) Name** Receiving Site or Facility Address VPLE No. City Parcel ID No. State FID No. County Zip Code **WTM Coordinates Represent WTM Coordinates** Source Area **Parcel Center** X: Y: 1/4 1/4 Sec: T: R: E/W: Latitude: Longitude: **Current Zoning: Current Land Use:**

G. Receiving Site or Facility (So Information	urce Property or Off-Site P	roperty) O wn	er
Provide the following information for the or owner include the information requested be Property Owner Name(s) Michael Roberts	Company Name	and attach to thi	
Thomas Doberts	JAINES LLC	State	ZIP Code
Mailing Address 1515 DES PERES ROAD SUITE 300	St. Louis	Mo	63131
Phone No. (include area code)	Email	1	

Section 3 – Waste Characterization

314-835-1515

Address the following items to describe the contaminated soil and/or other solid waste material that will be managed under this plan and demonstrate that it has been adequately characterized. Attach your responses to these items at the end of this document.

- A. Describe the material proposed to be managed, including its general makeup, physical characteristics, the homogeneity of the material, the proportion of soil to other solid waste, and any other pertinent descriptors.
- B. Describe the historic and current land use of the site or facility where the contaminated soil or other solid waste originates. State how this site or facility is zoned.
- C. Total volume of contaminated soil and/or other solid waste to be managed (cubic yards):
- D. Describe identified contaminants and the source(s). Indicate whether contaminant concentrations exceed Wis. Admin. Code § NR 720 Residual Contaminant Levels. Include a summary table, map with sample locations, and relevant laboratory data.
- E. Describe the sampling activities conducted to characterize the material including where the samples were collected from, how sample locations were chosen, the sampling methods used, and when sampling activities were conducted.
- F. Explain how the sampling activities adequately characterized the contaminated soil or other solid waste proposed to be managed. Indicate whether the samples were analyzed for all contaminants previously identified at the site or facility where the material will be generated and analyzed for all contaminants potentially present at the site or facility considering current and historic land use. Discuss how samples were collected from areas most likely to be contaminated and from material that will actually be managed under this exemption.
- G. Total number of samples collected from this material and analyzed for contaminants of concern.

- H. Rate of sample collection per volume (samples/cubic yard).
- I. Wis. Admin. Code § NR 718.12(1)(e) requires that samples collected to characterize soil be collected at a rate of one sample per 100 yards (for the first 600 yards) and one sample for each additional 300 yards of material, with a minimum of 2 samples. If the DNR pre-approved an alternative sampling plan, describe how the sampling that was conducted complied with a pre-approved plan. Provide the date the sampling plan was pre-approved and the name of the DNR person who approved the plan.

Section 4 - Project Description/Material Management Plan

Address the following items to describe the material management activities proposed to take place. Attach your responses to these items at the end of this document.

- A. Describe the waste management activities that will require a Wis. Admin. Codes §§ NR 718.12 or NR 718.15 exemption. Provide details on how and where waste material will be generated, transported and placed. Describe the depth of the proposed excavation of contaminated soil or other solid waste, and the depth that it will be placed at the receiving site. Describe any response actions proposed for the receiving site or facility to address the relocated contaminated material (such as the construction of a cap). Confirm the proposed material management will comply with Wis. Admin. Code § NR 726.13(1)(b) 1 through 5. Discuss how material management activitites will fit in with the overall property remediation and/or development plans.
- B. Summarize the proposed schedule for implementation of the material management plan including anticipated start and end dates.
- C. Describe any procedures that have been established, or methods that will be used, to identify previously undocumented contamination during the completion of this project (such as instrument field screening, visual inspections, etc.). Also describe any contingency procedures that have been established to address unexpected contamination. The discovery of a previously unknown contaminant release on a property must be immediately reported to the DNR using the 'Notification for Hazardous Substance Discharge (non-emergency)' form.
- D. Summarize how the proposed management activities will prevent or minimize adverse environmental impacts and potential threats to human health and welfare, including worker safety, by assessing how all potential exposure and migration pathways of concern, including direct contact exposure, vapor intrusion, ground water, surface water, sediment and any other relevant pathway will be addressed by the proposed management.

Section 5 - Receiving Site or Facility Information

Describe the site or facility receiving the waste material by addressing the following items. Where applicable, attach your responses to these items at the end of this document.

A.	Is the receiving site or facility the same as the generating site?	X	_Yes _	No
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B. Describe the historic, current and proposed land use of the site(s) or facility(s) where the contaminated soil or other solid waste will be managed. How are these site(s) or facility(s) zoned?

C.	Identify current use	s of all prop	erties ac	ljacent (to the site	or facili	ty. Check	all that	apply		
	Agricultural Industrial Recreational Residential Undeveloped Commercial Other		□s ⋈s □s □s □s	□E □E □E □E	W W W W W W W	□NE □NE □NE □NE □NE □NE □NE	□NW □NW □NW □NW □NW	□SE □SE □SE □SE □SE □SE	□s ⋈s □s □s □s	w w w w	
	Describe 'Other' pr	operty use b	elow:								-
D.	Briefly describe any or facility. Describe waste will be placed that area, and wheth	the environ I including v	mental o	conditic itamina	on of the	portion or resent, th	f the rece e environ	iving site	or fa	cility where	
E.	Describe any environment will be managed.	onmentally s	ensitive	areas a	t or near	the site o	or facility	where th	e con	taminated soil	
F.	Describe any other disposal of the cont					ed above	that influ	ence its	suitab	ility for the	
G.	Briefly discuss the gany previous remed provide the information specific information	ial investiga tion request	tions an	d well l	logs or w	ell consti	ruction re	cords fro	m nea	arby wells. Also,	
	Depth to Bedrock (ft. below gro	ound sur	face):	2.5'-	260'	V	□ Regio	nal	Site Specific	
	Bedrock Type:	🗷 Sand	dstone	□ Li	mestone	/Dolomit	e 🗆 Me	etamorph	ic/Ign	eous	
	High Groundwater	Level (ft. be	low gro	und sur	face):	51		☐ Reg	gional	✓ Site Specific	2
	Groundwater Flow	Direction:	NORTH				!	□ Regio	nal	Site Specific	
Secti	on 6 – Location	nal Criter	ia								
Indica	e if excavated waste	material wil	l be pla	ced in a	ny of the	followin	g location	ns:			
	☐ Within a floodp☐ Within 100 feet☐ Within 300 feet☐ Within 100 feet☐ Within 3 feet of☐ At a depth grearemoved.	of any wetl of any navi of any on-s the high gro	gable ri ite wate oundwa	ver, stre r supply ter leve	eam, lake y well or l.	, pond, o 300 feet	of any of	f-site wa	-	oply well. aminated soil wa	S

If any of the above boxes are checked, an exemption from the indicated criteria must be requested as described below. If none of the above boxes are checked, and the proposed placement of waste material will not otherwise pose a threat to the public health, safety, or welfare of the environment, the proposed management activities will comply with the location criteria of Wis, Admin. Code § NR 718.12(1)(c) and you may skip ahead to Section 7.

Include an explanation of why granting an exemption to the Wis. Admin. Code § NR 718.12(1)(c) locational criteria will not cause a threat to public health, safety, welfare and the environment by assessing how all potential exposure and migration pathways of concern, including direct contact exposure, vapor intrusion, ground water, surface water, sediment and any other relevant pathway will be addressed by the proposed management. Consider the quantity and characteristics of the waste being managed, the geologic and hydrogeological characteristics of the receiving site, the unavailability of other environmentally suitable alternatives, and whether the activities will comply with other state and federal regulations including other portions of Wis. Admin. Code §§ NR 700 to NR 754. Attach your response to the end of this document.

Section 7 - Additional Information Required for Non-Metallic Mine Receiving Sites or Facilities

	mplete this section if the proposed disposal facility is a non-metallic mine.
A.	Current depth to groundwater at facility (feet below ground surface):
В.	Has the facility been dewatered to allow mining? ☐ Yes ☐ No
	If yes, indicate the expected natural groundwater level when dewatering is terminated (feet below ground surface):
C.	Is waste proposed to be placed within 10 feet of the natural water table? Yes* No * If yes, placement of the waste will not comply with Wis. Admin. Code §§ NR 503.08(1)(e) and NR 503.08(2)(d).
D.	Include a copy of the reclamation plan indicating the placement of low level contaminated material is acceptable.
Ε.	Describe any design criteria established for the disposal site, include restrictions on material placement, engineered barrier requirements, etc. Attach your response to this item at the end of this document.
Se	ection 8 – Continuing Obligations at Receiving Site or Facility

Check the applicable boxes to indicate which continuing obligations will be specifically required to address the waste material being managed on the receiving property:

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	NIA.	(AM			111	1.7501	ions
_	1313		4 1 1 1 1 1	עווו		при	III III N

☐ Residual Soil Contamination:

If contaminated soil managed under this soil management plan is excavated in the future, the property owner at the time of excavation will be responsible for the following:

- determine if contamination is present,
- determine whether the material would be considered solid or hazardous waste,
- ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules.

Contaminated soil may be managed in accordance with Wis. Admin. Code § NR 718, with prior DNR approval. In addition, all current and future property owners and occupants of the property and right-ofway holders need to be aware that excavation of the contaminated soil may pose a hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans. A historic fill exemption is required prior to construction of any structures over fill materials.

Depending on site-specific conditions, construction over contaminated soils or groundwater may also result in vapor migration of contaminants into enclosed structures or migration along underground utility lines. The potential for vapor intrusion and means of mitigation should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

☐ Maintenance of a cover:

A soil cover/engineered cover/other has been placed over remaining contamination and this cover must be maintained. Inspections will be required, and submittal of inspection reports may be required. Certain activities which would disturb the cover or barrier will be prohibited. If the cover is approved for industrial land use, notification of the DNR is required before changing to a non-industrial use, to determine if the cover will be protective for that use. A maintenance plan is attached, which describes the maintenance activities to be required. If the DNR requires changes to the maintenance plan, an updated maintenance plan must be provided at the completion of the soil disposal action. A map is attached which shows the location of the extent of contaminated materials and the extent of the cover.

☐ Use of Industrial Land Use Soil Standards:

Industrial soil standards have been applied for the site receiving the contaminated materials. The DNR must be notified if the property land use will change from industrial use to a non-industrial land use. Additional investigation and remediation may be required prior to the change in land use to ensure the site conditions are protective for the planned land use.

☐ <u>Vapor: Future Actions to Address Vapor Intrusion:</u>

While vapor intrusion does not currently exist, if a building is constructed on this property, or reconstructed, or if use of a building is changed to a non-industrial use, vapor intrusion may be a concern. The DNR must be notified before construction of a building or changing the use of an existing building to non-industrial use. The use of vapor control technologies or an assessment of the potential for vapor intrusion will be required at that time.

☐ Site specific condition:

Describe the site specific condition:

Section 9 - Figures

Attach to this form figures that clearly depict the items listed below. All maps should be drawn to scale not larger than 1 inch equal to 100 feet and labeled with the site or facility name and address. The location of the property and the specific disposal area must be provided in sufficient detail to allow DNR personnel to inspect these areas in the future. Providing a 'cut/fill' map that clearly depicts how much material will be removed or added to different areas of the involved property(ies) and depicting how material will be moved across the site is highly recommended. Providing cross sections that depict site conditions before and after soil management activities is also recommended.

The boundaries of each property involved in the project as well as named and unnamed roads or
access points, buildings and other surface features, underground utilities, land uses on adjacent
properties, and known and potential sources of hazardous substances.

Ш	The location of wetlands, critical habitat areas, floodplains, surface water bodies, water supply wells
	or other possible receptors located near or within the area where material will be managed.

	The lateral extent and depth of planned excavation, grading, or otherwise disturbed areas.
	The lateral extent and thickness of excavated material placement locations.
	Soil sample locations at the generating and receiving sites. Depict applicable soil contaminant concentration data and sample depths. Indicate the extent of contamination exceeding a RCL.
	Depth to groundwater.
	The extent of any performance standards (such as a barrier or cap) that will be required at the completion of management activities.
	10 - Additional Attachments
Code § 71	ring documents are recommended for inclusion with a Wis. Admin. Code § NR 718.12 or a Wis. Admin. 8.15 exemption request. Indicate which of these documents are applicable to this request by checking below. Submit copies of the indicated documents with this document.
	A table summarizing the analytical results of all soil/waste samples collected at the generating site or facility that meets the requirements of Wis. Admin. Code § 716.15(4)(e). Clearly indicate which of these samples were collected from material that is proposed to be managed.
	The analytical package for all samples listed on the above table. The package should include the sample results, chain of custody, sampling methods, and QA/QC data.
	A maintenance plan for any performance standard needed to address the material proposed to be managed. The plan should follow the format found in <u>DNR Form 4400-202</u> , <u>Attachment D</u> .
	A copy of the reclamation plan for the receiving site or facility if it is a nonmetallic mine. Confirm the plan allows for acceptance of contaminated soil by marking relevant plan sections.
	Power of Attorney (if applicable, see Section 12).
	Deed for the property receiving the contaminated soil and or waste. If a certified survey map or plat map is referenced by this deed then also include those documents. If a map is not referenced in the deed, provide a copy of a parcel map depicting the property boundaries.

Section 11 - Certification Statements

All exemption requests submitted to manage contaminated soil or other solid waste as an interim action or remedial action under Wis. Admin. Code §§ NR 708 or NR 722 must be prepared by, or prepared under, the supervision of a professional engineer. The professional engineer who prepared or supervised this exemption request should complete the following section.

Environmental Consultant Information	
Firm Name	
ENVIEDANALYTICS GADUP, LLC	
Mailing Address 1515 DES PELES ROAD SUITE 300	State M0
City	ZIP Code
St. Louis	63131

Wis. Admin. Code § NR 712, entitled "Personnel Qualifications for Conducting Environmental Response Actions," establishes minimum standards for experience and professional qualifications for persons who perform certain environmental services. This law applies to work conducted under Wis. Admin. Code § NR 718, unless specifically exempted.

Note: The following certification must be attached to confirm the Wis. Admin. Code § NR 718 exemption request was prepare by or under the supervision of a professional engineer under Wis. Admin. Code § NR 712.07.

Last Name	First Name		
Dunn	DANIEL		
Mailing Address 1515 DES PERES ROAD	City	State	ZIP Code
Suite 300	St. Lovis	Mo	63131
hone No. (include area code)	Email		· -
			4
314 - 835 - 28)4 I hereby certify that I am a registe	อred professional engineer in the State of V		
I hereby certify that I am a registed accordance with the requirements accordance with the Rules of Profession my knowledge, all information con compliance with all applicable req	ered professional engineer in the State of Versional Code; that this do Versional Conduct in ch. A–E 8, Wis. Adm. Code; that this donated in this document is correct and the quirements in chs. NR 700 to 726, Wis. Adm	Wisconsin, registicument has been code; and that, to document was m. Code.	stered in en prepared to the best o prepared in
I hereby certify that I am a registed accordance with the requirements accordance with the Rules of Professions knowledge, all information concompliance with all applicable requit is my professional opinion that the	ered professional engineer in the State of Versional Code; that this do sessional Conduct in ch. A–E 8, Wis. Adm. Code; that this donate in this document is correct and the	Wisconsin, registicument has been code; and that, to document was m. Code.	stered in en prepared to the best o prepared in
"I hereby certify that I am a registe accordance with the requirements accordance with the Rules of Profemy knowledge, all information concompliance with all applicable requit is my professional opinion that the second compliance with all applicable requires the second control of	ered professional engineer in the State of Vision of Ch. A–E 4, Wis. Adm. Code; that this do ressional Conduct in ch. A–E 8, Wis. Adm. Contained in this document is correct and the quirements in chs. NR 700 to 726, Wis. Admithe proposed soil management activity will ificant risk to public health, safely or welfar	Wisconsin, registicument has been code; and that, to document was m. Code.	stered in en prepared to the best prepared in

Section 12 - Signatures

Each receiving site or facility property owner's signature must be included as part of this request. Attach additional copies of the signature page, if needed. If one of the owners of the receiving site or facility is acting on behalf of other owners, a power of attorney form or statement must be signed and attached to this agreement clearly granting the agent the authority to accept the contaminated soils on behalf of all other owners of the receiving site or facility whose signatures are not included on this agreement.

Owner(s) of Property	Where Material is Placed	
Print Name	Signature	Date
TOM ROBERTS	Im Police	6/27/18
Print Name	Signature	Date
Print Name	Signature	Date
Print Name	Signature	Date

I understand that by signing this application I certify that I will follow the conditions and limitations required by law and specified in the exemption issued to me as owner of the site or facility that will receive the contaminated soil. Further, I certify that the contaminated soil proposed to be managed under this exemption will be at a property that meets the definition of "site" or "facility" under Wis. Stats. Chapter 292 and Wis. Admin. Code Chapters §§ NR 700 – 754, and I understand that the material must be managed any time in the future as a solid waste with the department's approval. I understand that this exemption will be tracked in the Wisconsin Remediation and Redevelopment Database, and if required, will include maintenance and inspection by me of any continuing obligations, such as maintaining an engineering control or barrier over the contaminated material, and will also be subject to inspection by the department. I understand that the conditions on my site or facility may be subject to Wis. Stats. Chapter 709, Disclosures by Owners of Real Estate. I believe that the legal description for all properties where material will be managed is included with this submittal.

RR Program Contacts

General questions regarding Wis. Admin. Code §§ NR 718.12 and 718.15 exemptions should be made to:

- Statewide: Paul Grittner, Paul.Grittner@wisconsin.gov, (608) 266-0941
- Northeast Region: Kristin DuFresne, Kristin.Dufresne@wisconsin.gov, (920) 662-5443
- Northern Region: Chris Saari, Chris.Saari@wisconsin.gov, (715) 685-2920
- South Central Region: Mike Schmoller, Michael.Schmoller@wisconsin.gov, (608) 275-3303
- Southeast Region:

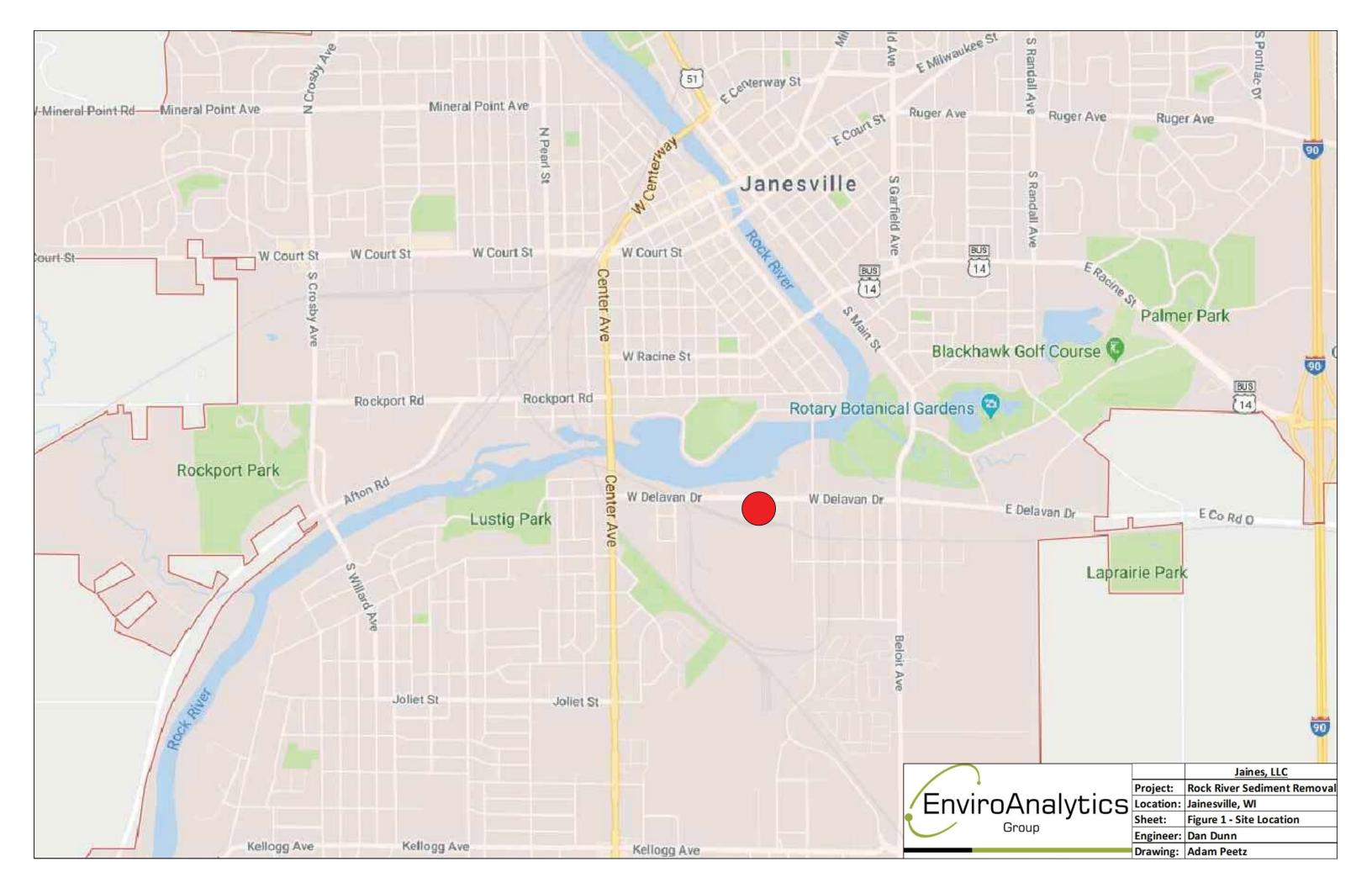
Nancy Ryan, Nancy.Ryan@wisconsin.gov, (414) 263-8533 Linda Michalets, Linda.Michalets@wisconsin.gov, (414) 263-8757

West Central Region: Matt Thompson, Matthew. Thompson@wisconsin.gov, (715) 839-3750

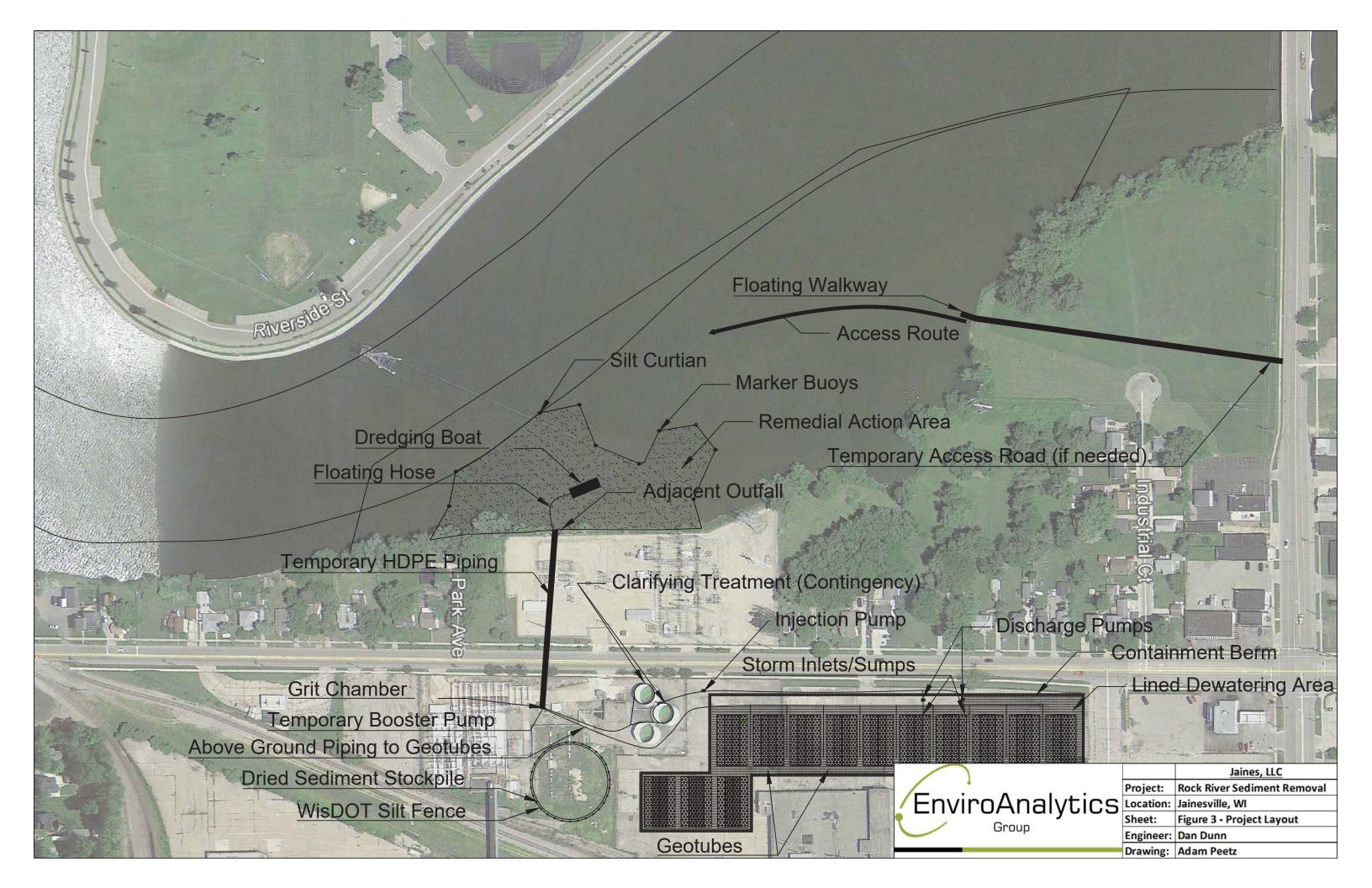
This document is intended solely as guidance and does not include any mandatory requirements except where requirements found in statute or administrative rule are referenced. This guidance does not establish or affect legal rights or obligations and is not finally determinative of any of the issues addressed. This guidance does not create any rights enforceable by any party in litigation with the State of Wisconsin or the Department of Natural Resources. Any regulatory decisions made by the Department of Natural Resources in any manner addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.

The Wisconsin Department of Natural Resources provides equal opportunity in its employment, programs, services, and functions under an Affirmative Action Plan. If you have any questions, please write to Chief, Public Civil Rights, Office of Civil Rights, U.S. Department of the Interior, 1849 C. Street, NW, Washington, D.C. 20240.

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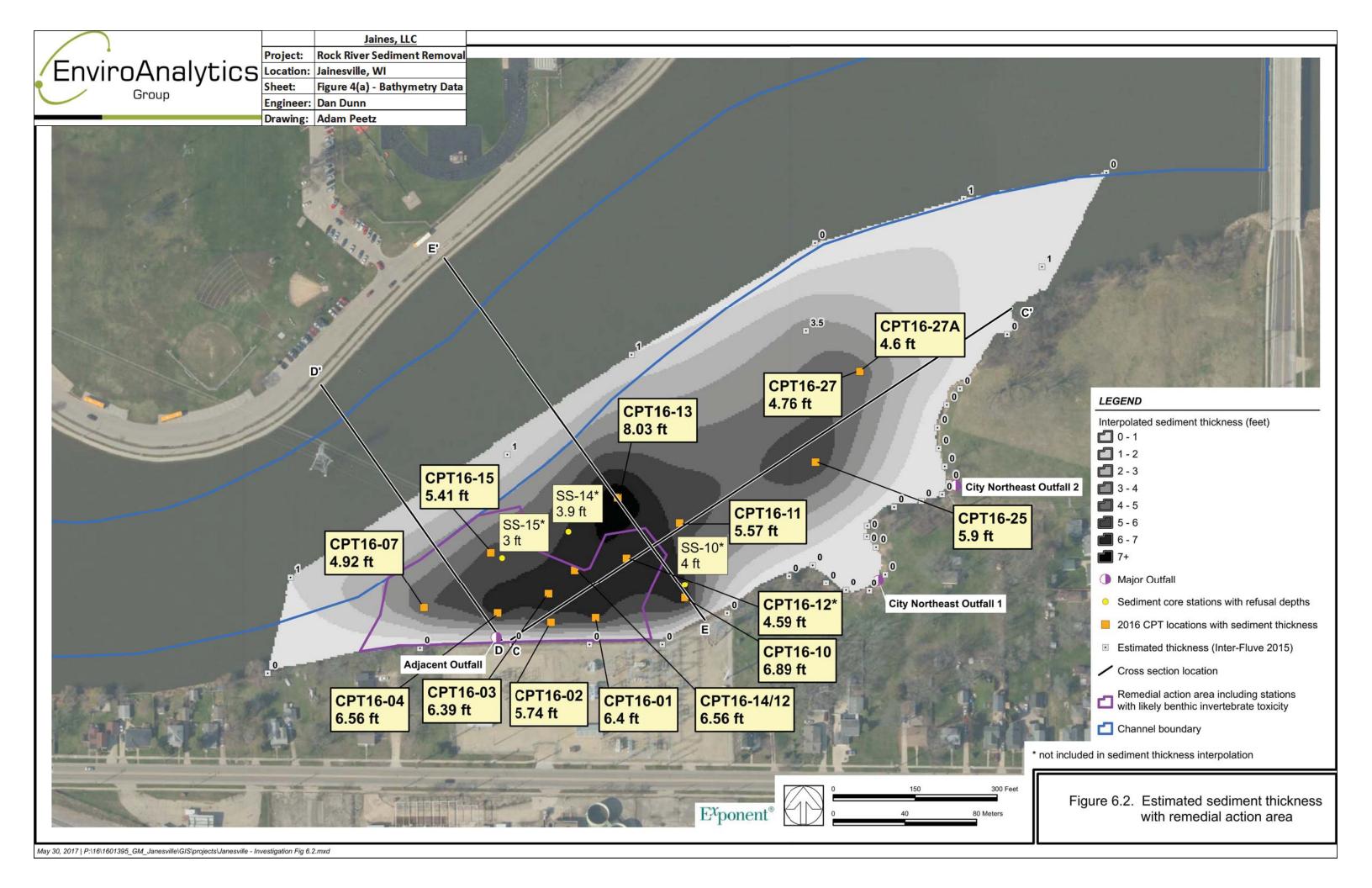


Table 2.8A Page 1 of 3

Sample Location: Sample Identification: Sample Date: Sample Depth: Sample Type: Photoionization Detector (PID) Reading (ppm) (1)		SS-1 SE-031016-JN-021 3/10/2016 0-0.5 ft BGS Shallow 0	SS-1 SE-031016-JN-023 3/10/2016 0-3.5 ft BGS Composite 0	SS-1 SE-031016-JN-022 3/10/2016 0.5-2 ft BGS Deep 0	SS-2 SE-031016-JN-014 3/10/2016 0-0.5 ft BGS Shallow 28	SS-2 SE-031016-JN-016 3/10/2016 0-2 ft BGS Composite 28	SS-2 SE-031016-JN-017 3/10/2016 0-2 ft BGS Duplicate 28	SS-2 SE-031016-JN-015 3/10/2016 0.5-2 ft BGS Deep 0	SS-3 SE-031016-JN-018 3/10/2016 0-0.5 ft BGS Shallow 150	SS-3 SE-031016-JN-020 3/10/2016 0-3.67 ft BGS Composite 150	SS-3 SE-031016-JN-019 3/10/2016 0.5-2 ft BGS Deep 7
Parameters	Units										
TCLP Metals											
Arsenic	mg/L		0.0076 J			0.030 J	0.025 J			0.036 J	
Barium	mg/L		0.75 J			1.2 J	1.1 J			1.2 J	
Cadmium	mg/L		0.00061 J			0.0031 J	0.0033 J			0.0049 J	
Chromium	mg/L		0.0035 J			0.0044 J	0.0046 J			0.0060 J	
Lead	mg/L		0.0019 U			0.078 J	0.046 J			0.18 J	
Mercury	mg/L		0.000090 U			0.000090 U	0.000090 U			0.000090 U	
Selenium	mg/L		0.0040 U			0.0040 U	0.0040 U			0.0040 U	
Silver	mg/L		0.00092 U			0.0010 J	0.0015 J			0.0014 J	

Table 2.8A Page 2 of 3

Sample Location: Sample Identification: Sample Date: Sample Depth: Sample Type: Photoionization Detector (PID) Reading (ppm) (1)		SS-4 SE-030916-JN-007 3/9/2016 0-0.5 ft BGS Shallow 88	SS-4 SE-030916-JN-010 3/9/2016 0-4.08 ft BGS Composite 162	SS-4 SE-030916-JN-008 3/9/2016 0.5-2 ft BGS Deep 162	SS-4 SE-030916-JN-009 3/9/2016 0.5-2 ft BGS Duplicate 162	SS-5 SE-031016-JN-011 3/10/2016 0-0.5 ft BGS Shallow 18	SS-5 SE-031016-JN-013 3/10/2016 0-2 ft BGS Composite 28	SS-5 SE-031016-JN-012 3/10/2016 0.5-2 ft BGS Deep 28	SS-6 SE-030916-JN-001 3/9/2016 0-0.5 ft BGS Shallow 16	SS-6 SE-030916-JN-003 3/9/2016 0-2 ft BGS Composite 22	SS-6 SE-030916-JN-002 3/9/2016 0.5-2 ft BGS Deep 22
Parameters	Units										
TCLP Metals											
Arsenic	mg/L		0.067 J				0.027 J			0.028 J	
Barium	mg/L		1.2 J				0.17 J			0.61 JB	
Cadmium	mg/L		0.011 J				0.0016 J			0.00070 J	
Chromium	mg/L		0.0054 J				0.013 J			0.00055 JB	
Lead	mg/L		1.2				0.19 J			0.11 J	
Mercury	mg/L		0.00013 J				0.000090 U			0.000090 U	
Selenium	mg/L		0.0040 U				0.0040 U			0.0040 U	
Silver	mg/L		0.00092 U				0.0013 J			0.0019 J	

Table 2.8A Page 3 of 3

Sample Location: Sample Identification: Sample Date: Sample Depth: Sample Type: Photoionization Detector (PID) Reading (ppm) (1)	SS-7 SE-030916-JN-004 3/9/2016 0-0.5 ft BGS Shallow 0	SS-7 SE-030916-JN-006 3/9/2016 0-3 ft BGS Composite 0	SS-7 SE-030916-JN-005 3/9/2016 0.5-2 ft BGS Deep 0	SS-9 SE-031016-JN-024 3/10/2016 0-0.5 ft BGS Shallow 0	SS-9 SE-031016-JN-027 3/10/2016 0-1.5 ft BGS Composite 0	SS-9 SE-031016-JN-025 3/10/2016 0.5-1.5 ft BGS Deep 0	SS-9 SE-031016-JN-026 3/10/2016 0.5-1.5 ft BGS Duplicate 0
Parameters Units							
TCLP Metals							
Arsenic mg/L		0.025 JB			0.012 J		
Barium mg/L		0.87 JB			0.86 J		
Cadmium mg/L		0.00015 J			0.00016 J		
Chromium mg/L		0.00055 JB			0.0038 J		
Lead mg/L		0.052 J			0.055 J		
Mercury mg/L		0.000090 U			0.000090 U		
Selenium mg/L		0.0040 U			0.0040 U		
Silver mg/L		0.00092 U			0.00092 U		

	Sample Location Sample Identification Sample Date Sample Depti Sample Type	n: SE-101816-JL-069 : 10/18/2016	SS-10 SE-101816-JL-070 10/18/2016 0.5-2 ft BGS	SS-10 0 SE-101816-JL-071 10/18/2016 3-4 ft BGS	SS-11 SE-101816-JL-067 10/18/2016 0-0.5 ft BGS	SS-11 SE-101816-JL-068 10/18/2016 0.5-2 ft BGS	SS-12 SE-101816-JL-063 10/18/2016 0-0.5 ft BGS	SS-12 SE-101816-JL-064 10/18/2016 0.5-2 ft BGS	SS-13 SE-101816-JL-065 10/18/2016 0-0.5 ft BGS	SS-13 SE-101816-JL-066 10/18/2016 0.5-2 ft BGS	SS-14 SE-101716-JL-060 10/17/2016 0-0.5 ft BGS	SS-14 SE-101716-JL-061 10/17/2016 0.5-2 ft BGS	SS-14 SE-101716-JL-062 10/17/2016 2-3.9 ft BGS	SS-15 SE-101716-JL-053 10/17/2016 0-0.5 ft BGS	SS-15 SE-101716-JL-054 10/17/2016 0.5-2 ft BGS	SS-15 SE-101716-JL-055 10/17/2016 2-3 ft BGS	SS-16 SE-101716-JL-051 10/17/2016 0-0.5 ft BGS	SS-16 SE-101716-JL-052 10/17/2016 0.5-2 ft BGS	SS-17 SE-100716-JL-049 10/7/2016 0-0.5 ft BGS	SS-17 SE-100716-JL-050 10/7/2016 0.5-2 ft BGS	SS-18 SE-101916-JL-088 10/19/2016 0-0.5 ft BGS	SS-18 SE-101916-JL-089 10/19/2016 0.5-2 ft BGS	SS-19 SE-101916-JL-090 10/19/2016 0-0.5 ft BGS	SS-19 SE-101916-JL-091 10/19/2016 0.5-2 ft BGS	SS-20 SE-101916-JL-082 10/19/2016 0-0.5 ft BGS	SS-20 SE-101916-JL-083 10/19/2016 0.5-2 ft BGS
Photoionization Detector	or (PID) Reading (ppm) ⁽¹	: 0.1	0.1	0.1	0.2	0	0	0	0	0	0.1	0.7	0	0.1	0.8	12.6	4.1	2.9	0.2	0	0	0	0	0	0	0
Parameters	Units																									
Semi-Volatile Organic Compound Polycyclic Aromatic Hydrocarbons (I Acenaphthene Acenaphthene Acenaphthene Acenaphthene Anthracene Benzo(a)anthracene Benzo(a)prene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(b)fluoranthene Chrysene Dibenz(a/h)depriene Fluoranthene Fluoranthene Fluorene Indeno(1,2,3-od)pyrene Naphthalene Perylene Phenanthrene Pyrene Alklylated PAHs		0.025 U 0.041 U 0.041 U 0.059 J 0.048 U 0.053 U 0.063 U 0.063 U 0.065 U	0.036 J 0.039 U 0.12 J 0.47 J 0.46 J 0.53 J 0.22 J 0.52 J 0.984 J 0.944 J 0.33 J 0.97 U 0.94 J 0.97 U 0.99 U 0.99 U	0.011 UJ 0.019 UJ 0.022 UJ 0.022 UJ 0.022 UJ 0.022 UJ 0.017 UJ 0.024 UJ 0.029 UJ 0.029 UJ 0.029 UJ 0.029 UJ 0.029 UJ 0.024 UJ 0.024 UJ 0.034 UJ	0.15 U 0.25 U 0.25 U 0.35 J 1.4 J 1.9 J 0.89 J 0.80 J 0.28 U 3 J 0.26 U 0.63 J 0.45 U 1.2 U 1.8 J 2.8 J	0.038 J 0.029 U 0.12 J 0.28 J 0.24 J 0.31 J 0.16 J 0.12 J 0.27 J 0.043 J 0.59 0.051 J 0.16 J 0.16 J 0.16 J 0.16 J 0.16 J 0.16 J 0.16 J	0.025 J 0.026 U 0.074 J 0.26 J 0.26 J 0.38 J 0.19 J 0.15 J 0.029 U 0.64 O 0.034 J 0.19 J 0.19 J 0.04 J 0.19 J 0.18 J 0.19 J 0.18 J 0.19 J 0.18 J 0.19 J 0.18 J 0.18 J 0.18 J 0.18 J 0.18 J 0.19 J 0.18	0.06 J 0.028 U 0.12 J 0.3 J 0.3 J 0.5 J 0.26 J 0.21 J 0.17 J 0.39 J 0.22 J 0.051 U 0.14 U 0.51 J 0.71	0.012 U 0.02 U 0.02 U 0.024 U 0.07 J 0.024 U 0.056 J 0.068 U 0.089 U 0.063 U 0.064 J 0.064 J 0.037 U 0.051 U	0.015 U 0.025 U 0.025 U 0.1 J 0.081 J 0.1 J 0.03 U 0.046 J 0.059 U 0.027 U 0.046 J 0.027 U 0.046 J 0.046 J	0.013 U 0.022 U 0.022 J 0.084 J 0.087 J 0.18 J 0.061 J 0.055 J 0.051 U 0.18 J 0.023 U 0.06 J 0.005 J 0.005 J 0.005 J 0.005 J 0.18 J 0.005 J 0.005 J 0.005 J 0.005 J 0.005 J	0.012 U 0.02 U 0.073 J 0.14 J 0.11 J 0.16 J 0.085 J 0.085 J 0.18 J 0.023 U 0.4 0.022 U 0.12 J 0.037 U 0.11 U 0.33 J	0.016 UJ 0.027 UJ 0.031 J 0.076 J 0.054 J 0.056 J 0.031 UJ 0.025 UJ 0.071 J 0.034 UJ 0.13 J 0.034 UJ 0.034 UJ 0.13 J 0.044 UJ 0.044	0.015 J 0.022 U 0.043 J 0.21 J 0.21 J 0.31 J 0.16 J 0.12 J 0.22 J 0.025 U 0.44 U 0.11 U 0.16 J 0.04 U 0.11 U 0.16 J 0.41 J	0.025 J 0.02 U 0.061 J 0.22 J 0.21 J 0.31 J 0.14 J 0.09 J 0.27 J 0.31 J 0.49 D 0.21 U 0.14 J 0.03 J 0.14 J 0.10 J 0.17 J 0.18	0.015 UJ 0.025 UJ 0.036 J 0.11 J 0.094 J 0.13 J 0.06 J 0.13 J 0.024 UJ 0.23 J 0.026 UJ 0.23 J 0.026 UJ 0.032 UJ 0.032 UJ 0.032 UJ 0.032 UJ 0.032 UJ 0.044 UJ 0.059 UJ	0.063 J 0.021 U 0.13 J 0.26 J 0.23 J 0.35 J 0.18 J 0.12 J 0.32 J 0.35 J 0.75 0.027 J 0.17 J 0.038 U 0.1 U	0.013 U 0.022 U 0.022 U 0.022 U 0.022 U 0.03 J 0.041 J 0.088 J 0.029 J 0.023 J 0.051 U 0.054 U 0.094 U 0.094 U 0.028 U 0.028 U 0.039 U 0.11 U 0.039 U 0.011 U 0.059 J 0.099 J 0.099 J	0 019 J 0 022 U 0 056 J 0 22 J 0 24 J 0 34 J 0 19 J 0 14 J 0 152 J 0 024 U 0 15 J 0 16 J 0 16 J 0 17 U 0 18 J 0 19	0.13 U 0.22 U 0.33 J 0.68 J 0.46 J 0.71 J 0.52 U 0.96 J 0.25 U 1.5 J 0.24 U 0.29 U 0.41 U 1.1 U 0.93 J 1.3 J	0.15 J 0.019 U 0.32 J 0.91 0.9 1.4 0.69 0.49 1.1 0.19 J 0.4 0.78 0.035 U 0.24 J 1.8 2.4	0.027 J 0.03 U 0.072 J 0.22 J 0.22 J 0.31 J 0.16 J 0.14 J 0.25 J 0.053 J 0.032 U 0.23 J 0.055 U 0.28 J 0.28 J	0.11 J 0.02 U 0.18 J 0.76 0.83 1.3 0.67 0.6 0.46 0.97 0.18 J 2.2 0.15 J 0.75 0.037 U 0.22 J 1.5	0 033 J 0 022 U 0 11 J 0 35 J 0 34 J 0 54 0 27 J 0 28 J 0 48 J 0 83 0 043 J 0 32 J 0 040 J 0 050 U 0 11 U 0 052	0 044 U 0 072 U 0 072 U 0 072 U 0 075 J 0 35 J 0 35 J 0 38 J 0 28	0.019 U 0.031 U 0.031 U 0.097 J 0.095 J 0.13 J 0.067 J 0.05 J 0.073 U 0.13 J 0.033 U 0.13 J 0.05 J
Allysteu FAR: 1-Methylnaphthalene 2-Methylnaphthalene 2-Methylnaphthalene 2-Methylnaphthalene C1-Benzo(a)anthracenes/chryseres C1-Dibenzothiophenes C1-Fluorenes C1-Penzothiophenes C2-Benzo(a)anthracenes/chrysenes C2-Dibenzothiophenes C2-Piuorenes C2-Phenanthrenes/Anthracenes C2-Phenanthrenes/Anthracenes C3-Benzo(a)anthracenes/chrysenes C3-Benzo(a)anthracenes/chrysenes C3-Benzo(a)anthracenes/chrysenes C3-Renzothiophenes C3-Renzothiophenes C3-Phenanthrenes/Anthracenes C4-Benzo(a)anthracenes/chrysenes C4-Dibenzothiophenes C4-Phenanthrenes/Anthracenes C4-Phenanthrenes/Anthracenes Dibenzothiophenes Dibenzothiophenes	ng/g ng/g ng/g ng/g ng/g ng/g ng/g ng/g	7.2 J 10 J 120 J 150 J 190 J 17 J 60 J 49 J 26 J 17 J 18 J 68 J 17 J 18 J 48 J 48 J 14 J 22 J 17 J 38 J 17 J 38 J 11 J			94 J 120 J 950 J 1700 J 120 J 520 J 330 J 76 J 86 J 190 J 410 J 140 J 50 J 77 J 170 J 60 J 20 U 130 J 20 U		64 J 77 J 830 J 100 J 1200 J 100 J 390 J 390 J 110 J 85 J 160 J 86 J 160 J 96 J 72 J 140 J 270 J 81 J 53 J 110 J 53 J 110 J 53 J 110 J 50 J		1.8.J 2.8.J 38.J 4.4.J 59.J 4.0.J 14.J 18.J 6.3.J 4.1.J 4.3.J 16.J 2.1.J 6.0.J 3.9.J 4.9.J 10.J 12.J 4.9.J 10.J 12.J 4.9.J 5.J 4.0.J 5.J 4.1.J 6.0.J 5.J 6.0.J 5.J 6.0.J		4.7.J 5.6.U 47.J 6.4.J 82.J 89.J 29.J 29.J 6.0.J 6.2.J 93.J 24.J 15.J 5.8.J 7.4.J 12.J 8.8.J 9.9.J 12.J 6.9.J			3.4 J 5.7 U 73 J 75 J 190 J 7.1 J 33 J 9.5 J 7.9 J 13 J 55 J 22 J 9.4 J 6.8 J 14 J 20 J 11 J 5.6 J 12 J 9.6 S 14 J 9.6 S 15 J 9.7 S 16 S 17 S 18 J 18 J	18 J 30 J 310 J 140 J 480 J 77 J 230 J 150 J 290 J 110 J 86 J 390 J 380 J 140 J 370 J 51 J 260 J 150 J 260 J	150 120 J 1000 J 770 J 1500 J 300 J 720 J 800 J 290 J 2700 J 590 J 4500 J 4500 J 440 J 5900 J 290 J 3800 J 460 J 3800 J	49 J 87 U 750 J 220 J 1200 J 170 J 580 J 350 J 470 J 250 J 250 J 200 J 870 J 210 J 800 J 410 J 100 J 110 J 110 J 150 J 150 J 350 J 3	59 J 74 J 770 J 370 J 1100 J 180 J 530 J 1300 J 430 J 1300 J 430 J 2100 J 210 J 210 J 210 J 210 J 250 J 210	13 J 20 J 130 J 22 J 170 J 18 J 53 J 65 J 47 J 36 J 32 J 94 J 48 J 69 J 41 J 40 J 98 J 25 J 56 J 48 J 89 J 41 J 80 J 81 J 81 J 81 J 81 J 82 J 83 J 84 J 85 J 86 J 86 J 86 J 86 J 86 J 86 J 86 J 86		13 U 28 U 380 J 34 J 570 J 39 J 150 J 160 J 40 J 32 J 20 U 140 J 110 J 56 J 34 J 23 J 29 J 24 J 25 J 25 J 26 J 27 J 28 J 28 J 28 J 29 J 38		13 U 29 U 200 J 22 J 330 J 21 J 94 J 92 J 20 J 20 U 96 J 67 J 22 J 31 J 63 J 38 J 17 J 48 J 35 J		6.4 U 14 U 100 J 5.8 J 160 J 4.9 U 33 J 54 J 7.4 J 6.2 J 9.8 U 34 J 48 J 12 J 5.8 J 9.8 U 26 J 31 J 12 J 5.8 J 12 J 12 J 12 J 14 J 15 J 16 J 17 J 17 J 18 J 18 J 18 J 18 J 18 J 18 J 18 J 18	
Polychlorinated Biphenyls (PCBs Arcolor-1016 (PCB-1016) Arcolor-1221 (PCB-1221) Arcolor-1222 (PCB-1222) Arcolor-1242 (PCB-1242) Arcolor-1246 (PCB-1248) Arcolor-1254 (PCB-1254) Arcolor-1256 (PCB-1250) Arcolor-1260 (PCB-1260) Arcolor-1260 (PCB-1260) Arcolor-1260 (PCB-1268) Total PCBs) mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.06 U 0.058 U 0.04 U 0.05 U 0.043 U 0.035 U 0.045 U 0.02 U 0.05 U	0.054 U 0.052 U 0.036 U 0.045 U 0.038 U 0.032 U 0.041 U 0.018 U 0.045 U	0.027 U 0.026 U 0.018 U 0.019 U 0.019 U 0.016 U 0.02 U 0.0089 U 0.022 U ND	0.036 U 0.035 U 0.024 U 0.03 U 0.026 U 0.26 0.027 U 0.012 U 0.03 U	0.042 U 0.041 U 0.028 U 0.035 U 0.035 U 0.025 U 0.032 U 0.014 U 0.035 U ND	0.041 U 0.039 U 0.027 U 0.034 U 0.029 U 0.054 J 0.031 U 0.014 U 0.034 U	0.042 U 0.04 U 0.028 U 0.035 U 0.029 U 0.024 U 0.031 U 0.014 U 0.035 U ND	0.03 U 0.028 U 0.02 U 0.025 U 0.021 U 0.081 0.022 U 0.0099 U 0.025 U	0.035 U 0.034 U 0.024 U 0.03 U 0.025 U 0.3 0.027 U 0.012 U 0.03 U	0.03 U 0.029 U 0.02 U 0.025 U 0.021 U 0.018 U 0.023 U 0.01 U 0.025 U ND	0.029 U 0.028 U 0.019 U 0.024 U 0.021 U 0.017 U 0.022 U 0.0097 U 0.024 U ND	0.039 U 0.037 U 0.026 U 0.033 U 0.028 U 0.023 U 0.029 U 0.013 U 0.033 U ND	0.032 U 0.031 U 0.022 U 0.027 U 0.023 U 0.019 U 0.024 U 0.011 U 0.027 U ND	0.031 U 0.029 U 0.02 U 0.025 U 0.032 J 0.018 U 0.023 U 0.01 U 0.025 U	0.038 U 0.036 U 0.025 U 0.032 U 0.027 U 0.022 U 0.028 U 0.013 U 0.032 U ND	0.031 U 0.029 U 0.02 U 0.026 U 0.037 J 0.018 U 0.023 U 0.01 U 0.026 U	0.031 U 0.03 U 0.021 U 0.026 U 0.022 U 0.018 U 0.023 U 0.01 U 0.026 U ND	0.032 U 0.03 U 0.021 U 0.026 U 0.022 U 0.018 U 0.024 U 0.011 U 0.026 U ND	0.033 U 0.031 U 0.022 U 0.027 U 0.023 U 0.019 U 0.024 U 0.011 U 0.027 U ND	0.027 U 0.026 U 0.018 U 0.023 U 0.019 UJ 0.016 U 0.02 U 0.0091 U 0.023 U ND	0.046 U 0.044 U 0.031 U 0.038 U 0.038 UJ 0.027 U 0.035 U 0.015 U 0.038 U ND	0.03 U 0.028 U 0.02 U 0.025 U 0.021 UJ 0.017 U 0.022 U 0.0099 U 0.025 U ND	0.034 U 0.032 U 0.022 U 0.028 U 0.024 UJ 0.02 U 0.025 U 0.011 U 0.028 U ND	0.027 U 0.026 U 0.018 U 0.023 U 0.019 UJ 0.016 U 0.021 U 0.0091 U 0.023 U ND	0.047 U 0.045 U 0.031 U 0.039 U 0.033 UJ 0.027 U 0.035 U 0.016 U 0.039 U ND
Metals Antimony Arsenic Barium Berylilum Cadmium Chromium VI (hexavalent) Cobalt Copper Lead Manganese Mercury Methyl mercury Nickel Selenium Silver Thallium Vanadium Zinc	mg/kg	0.076 J 3.4 122 J 0.59 0.30 J 20.3 6.6 16.2 22.8 209 3.0 J 0.00039 13.8 2.3 U 0.088 J 0.15 J 24.0 62.7	0.36 J 3.8 96.0 J 0.47 0.54 22.2 6.1 20.7 67.6 202 5.4 J 12.4 1.8 U 0.16 J 0.15 J 19.7 99.1	0.015 UJ 0.72 J 8.4 J 0.062 J 0.21 U 5.1 - 1.0 1.6 1.5 J 55.0 0.018 U - 2.5 0.38 J 0.0046 J 0.020 U 6.1	0.11 J 1.3 36.8 J 0.18 J 0.45 14.1 	0.088 J 2.8 69.7 J 0.43 0.27 J 16.7 4.5 13.8 33.5 207 5.0 J 8.5 1.7 U 0.10 J 0.099 J 14.9 54.2	0.27 J 2.7 59.8 J 0.35 0.47 18.4 4.1 15.2 45.7 172 10.8 J 0.0017 7.7 1.3 U 0.550 0.11.J 15.5 65.8	0.22 J 2.7 761. J 0.49 0.39 17.3 5.3 15.4 38.8 197 5.4 J 9.7 1.7 U 0.10 J 0.14 J 19.1 68.0	0.069 J 0.81 J 8.8 J 0.12 J 0.084 J 3.7 - 1.2 2.1 6.0 58.8 0.019 U 0.000037 U 2.0 12 U 0.15 J 0.23 U 4.9 19.1	0.077 J 1.4 57.0 J 0.15 J 0.22 J 8.6 2.3 7.3 26.2 180 3.5 J 7.1 1.4 U 0.096 J 0.043 J 7.8	0.45 U 0.62 J 14.8 0.22 U 0.22 U 4.0 1.3 2.1 6.2 60.0 0.024 J 0.000037 U 2.6 1.1 U 0.088 J 0.042 J 5.7 15.3	0.43 U 0.93 J 15.0 0.21 U 0.21 U 7.2 - 1.9 2.9 12.9 67.3 0.023 J - 4.5 1.1 U 0.043 J 0.070 J 6.7 29.2	0.56 UJ 1.9 53.5 J 0.36 0.28 U 11.3 4.6 15.5 31.7 J 167 0.15 7.9 1.5 0.094 J 0.10 J 14.6 51.7	0.14 J 0.84 J 13.7 J 0.091 J 0.10 J 5.6 — 1.6 2.9 6.6 83.5 0.020 U 0.00004 U 2.8 1.3 U 0.46 J 0.025 J 6.5 1.7.0	4.8 J 1.7 38.2 J 0.095 J 0.17 J 7.7 1.9 4.6 155 78.5 0.26 J 3.9 1.1 U 0.10 J 0.027 J 5.6 33.7	3.6 J 5.3 115 J 0.42 0.73 19.5 - 4.4 26.5 412 J 210 8.4 - 9.8 1.6 0.23 J 0.16 J 15.0 237	23.0 J 4.1 234 J 0.079 J 1.6 34.2 - 1.7 9.2 855 102 0.20 J 0.00062 J 0.000652 J 0.033 J 6.1 173	12.0 J 3.2 330 J 0.23 J 1.6 37.4 2.9 20.3 423 147 1.4 J - 6.3 1.2 U 0.10 J 0.072 J 9.7	2.0 2.5 2.5 0.75 0.58 24.1 1.9 5.5 126 79.8 0.046 J 0.000064 J 3.8 0.32 J 0.032 J 0.034 J 6.2	7.3 3.5 336 0.23 1.5 57.1 3.2 25.6 505 104 0.34 6.5 1.0.J 0.54 0.078 J 9.4 389	0.39 U 1.5 9.3 0.20 U 0.20 U 8.0 1.4 5.2 15.7 162 0.020 U 0.000033 U 4.1 0.98 U 0.0088 J 0.019 U 42.5	0.63 U 3.3 95.3 0.55 0.33 14.5 5.0 13.5 29.7 257 0.32 10.2 1.6 0.19 J 0.13 J 18.0 61.6	0.49 U 1.2 22.8 0.15 J 0.24 U 8.1 1.8 12.9 17.3 129 0.16 0.000037 U 3.9 1.2 U 0.30 0.30 0.300 0.300 6.6 45.8	0.48 U 1.4 44.9 0.29 0.28 15.2 - 3.0 13.2 30.1 108 0.35 - 7.5 1.7 0.077 J 0.072 J 10.1 54.1	0.41 U 0.89 J 7.8 0.20 U 0.20 U 5.6 - 1.2 2.7 3.8 113 0.022 U 0.00035 U 2.8 1.0 U 0.0099 J 0.019 U 5.7 40.8	0.75 U 4.0 87.5 0.48 0.62 19.6 5.6 19.0 49.9 160 1.6 12.0 1.9 U 0.13.J 0.17.J 19.1
Simultaneously Extracted Metals Cadmium Copper Lead Nickel Silver Zinc	(SEM) µmol/g µmol/g µmol/g µmol/g µmol/g µmol/g none	0.054 0.077 J 0.0027 U	- - - - - -	-	0.0065 0.11 0.14 0.030 J 0.0016 J 0.57 J 11.9	- - - - -	0.0043 0.24 0.26 0.053 J 0.0020 U 0.76 J U	 	0.00068 J 0.020 0.034 0.011 UJ 0.0019 J 0.21 J 0.28	- - - - - -	0.00088 J 0.018 J 0.036 0.011 J 0.0013 U 0.19 0.11	 	- - - - -	0.00056 U 0.012 J 0.032 0.0055 J 0.0013 U 0.14 0.070	 	- - - - - -	0.00057 U 0.0085 J 0.023 0.0045 J 0.0013 U 0.12 0.56	- - - - - -	0.0053 0.032 0.33 0.011 0.0014 U 0.86 1.4	- - - - - -	0.00087 J 0.051 0.044 0.013 0.0012 U 0.58 4.8	- - - - - -	0.00065 J 0.046 0.023 0.0064 0.0012 U 0.24 20.5	- - - - - - -	0.00055 U 0.026 0.013 0.0084 0.0014 J 0.34 8.7	- - - - -
General Chemistry Sulfide (acid soluble) Black carbon Total organic carbon (TOC)	µmol/g mg/kg mg/kg	37600	 73900	 2620	0.072 J 24600 14700	 37600	0.018 U 27600 29700	 33900	0.98 J 9000 2110	 7450	2.4 14200 4310 J	 1800 J	 27300	2.7 13100 5880 J	 6220 J	 29700	0.28 9430 25100 J	 17400 J	0.87 10900 14200	 40300	0.14 16000 7210	 39900	0.016 J 13800 11000	 23600	0.044 9890 3340	 42400

	Sample Locatio Sample Identificatio Sample Dat Sample Dept Sample Typ	on: SE-101816-JL te: 10/18/2016 th: 0-0.5 ft BG te:	10/18/2016	SS-22 79 SE-101916-JL-08 10/19/2016 0-0.5 ft BGS	10/19/2016 0.5-2 ft BGS	SS-23 SE-101816-JL-076 10/18/2016 0-0.5 ft BGS	SS-23 SE-101816-JL-077 10/18/2016 0.5-2 ft BGS	SS-24 SE-100516-JL-025 10/5/2016 0-0.5 ft BGS	SS-24 SE-100516-JL-026 10/5/2016 0.5-2 ft BGS	SS-25 SE-100516-JL-021 10/5/2016 0-0.5 ft BGS	10/5/2016 0-0.5 ft BGS Duplicate	10/5/2016 0.5-2 ft BGS	SS-25 SE-100516-JL-024 10/5/2016 0.5-2 ft BGS Duplicate	SS-26 SE-100516-JL-019 10/5/2016 0-0.5 ft BGS	SS-26 SE-100516-JL-020 10/5/2016 0.5-2 ft BGS	SS-27 SE-101916-JL-092 10/19/2016 0-0.5 ft BGS	SS-27 SE-101916-JL-093 10/19/2016 0.5-2 ft BGS	SS-28 SE-101916-JL-084 10/19/2016 0-0.5 ft BGS	SS-28 SE-101916-JL-086 10/19/2016 0-0.5 ft BGS Duplicate	SS-28 SE-101916-JL-085 10/19/2016 0.5-2 ft BGS	SS-28 SE-101916-JL-087 10/19/2016 0.5-2 ft BGS Duplicate	SS-29 SE-101816-JL-074 10/18/2016 0-0.5 ft BGS	SS-29 SE-101816-JL-075 10/18/2016 0.5-2 ft BGS	SS-30 SE-101816-JL-072 10/18/2016 0-0.5 ft BGS	SS-30 SE-101816-JL-073 10/18/2016 0.5-2 ft BGS	SS-31 SE-101716-JL-056 10/17/2016 0-0.5 ft BGS	SS-31 SE-101716-JL-058 10/17/2016 0-0.5 ft BGS Duplicate
Photoionization Detecto			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.1	0.1	0.1
Parameters Semi-Volatile Organic Compound Polycyclic Aromatic Hydrocarbons (f Acenaphthene Acenaphthene Acenaphthene Anthracene Benzo(a)purene Benzo(a)purene Benzo(a)purene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(k)fluoranthene Eluoranthene Fluoranthene Fluoranthene Fluoranthene Indeno(1,2,3-cd)pyrene Naphthalene Perylene Phenanthrene Pyrene Alkylated PAHs		9 0.34 J 9 0.26 U 0.77 J 9 2.5 J 9 2.5 J 9 4.4 J 9 1.7 J 19 1.6 J 9 3.9 J 9 9.4 J 9 0.34 J 9 0.48 U 9 0.48 U 9 0.7 J	0.02 U 0.033 U 0.033 U 0.043 J 0.069 J 0.039 U 0.031 U 0.077 U 0.056 J 0.037 U 0.11 J 0.035 U 0.12 J 0.06 U	0.088 J 0.025 U 0.24 J 0.97 1.1 1.5 0.76 0.74 0.6 1.2 0.23 J 2.3 0.1 J 0.91 0.045 U 0.32 J 1.3	0.02 U 0.032 U 0.032 U 0.041 J 0.061 J 0.068 J 0.076 U 0.038 U 0.052 U 0.099 J 0.099 J 0.059 U 0.16 U 0.16 U	0.063 J 0.032 U 0.16 J 0.52 J 0.53 J 0.87 0.41 J 0.35 J 0.28 J 0.16 J 12 0.067 J 0.49 J 0.059 U 0.16 U 0.75	0.025 U 0.042 U 0.042 U 0.072 J 0.065 J 0.097 J 0.049 U 0.039 U 0.072 J 0.047 U 0.15 J 0.076 U 0.15 J 0.076 U	0.13 J 0.019 W 0.57 J 5.4 J 4 J 6.8 J 3.1 J 1.6 J 2.4 J 3.9 J 0.53 J 0.21 J 2.2 J 0.035 UJ 1.1 J 4.6	0.019 U 0.032 U 0.032 U 0.088 J 0.062 J 0.05 U 0.038 U 0.076 U 0.11 J 0.036 U 0.12 J 0.034 U 0.042 U 0.059 U	0.04 J 0.024 U 0.098 J 0.3 J 0.29 J 0.42 J 0.23 J 0.22 J 0.13 J 0.35 J 0.14 J 0.04 J 0.04 J 0.04 J 0.04 J 0.04 J 0.04 J	0.019 J 0.021 U 0.033 J 0.18 J 0.16 J 0.083 J 0.16 J 0.083 J 0.23 J 0.23 J 0.23 U 0.24 J 0.039 U 0.11 U 0.39 U	0.02 U 0.034 U 0.034 U 0.04 U 0.04 U 0.052 U 0.032 U 0.079 U 0.038 U 0.079 U 0.036 U 0.036 U 0.036 U 0.036 U	0.018 U 0.03 U 0.03 U 0.05 J 0.086 J 0.081 J 0.071 U 0.071 J 0.032 U 0.039 U 0.055 U 0.055 U	0.016 J 0.024 U 0.031 J 0.13 J 0.13 J 0.19 J 0.12 J 0.14 J 0.099 J 0.27 J 0.026 U 0.19 J 0.19 J 0.19 U 0.19 U 0.19 U 0.19 U	0.024 U 0.04 U 0.04 U 0.099 J 0.099 J 0.14 J 0.14 J 0.13 J 0.16 J 0.19 J 0.02 U 0.2 J 0.2 U 0.23 J	0.035 J 0.021 U 0.094 J 0.27 J 0.27 J 0.43 0.2 J 0.18 J 0.15 J 0.33 J 0.091 J 0.045 J 0.27 J 0.27 J 0.10 U 0.11 U	0.013 U 0.021 U 0.021 U 0.025 U 0.025 U 0.076 J 0.025 U 0.03 J 0.05 U 0.01 J 0.024 U 0.11 J 0.028 U 0.039 U	0.04 J 0.026 U 0.13 J 0.42 J 0.4 J 0.58 0.27 J 0.24 J 0.24 J 0.12 J 0.96 J 0.35 J 0.047 U 0.13 U	0.073 J 0.034 J 0.23 J 0.66 0.62 0.89 0.44 J 0.36 J 0.74 0.15 J 1.7 0.996 J 0.53 0.05 U 0.14 U 1.2	0.015 U 0.025 U 0.039 J 0.12 J 0.12 J 0.15 J 0.066 J 0.06 U 0.13 J 0.028 U 0.24 J 0.027 U 0.033 U 0.046 U 0.13 U	0.028 J 0.025 U 0.11 J 0.4 J 0.38 J 0.58 0.27 J 0.17 J 0.44 J 0.11 J 0.04 J 0.34 J 0.34 J 0.34 J 0.48 J 0.79	0.095 J 0.077 J 0.27 J 0.9 0.96 1.2 0.62 0.55 0.48 J 1 1 0.19 J 1.8 0.11 J 0.71 J 0.052 U 0.26 J 1.2	0.026 U 0.043 U 0.043 U 0.12 J 0.14 J 0.095 J 0.079 J 0.14 U 0.14 U 0.26 J 0.21 J 0.078 U 0.21 U 0.21 U	0.04 J 0.021 U 0.11 J 0.52 0.48 0.76 0.38 J 0.27 J 0.64 0.089 J 1.2 0.039 J 0.35 J 0.35 J 0.35 J 0.38 U 0.11 U 0.63	0.012 U 0.02 U 0.031 J 0.11 J 0.15 J 0.08 J 0.046 U 0.11 J 0.022 U 0.21 J 0.074 J 0.036 U 0.098 U 0.098 U	0.011 U 0.024 J 0.021 J 0.11 J 0.12 J 0.16 J 0.083 J 0.018 U 0.059 J 0.021 U 0.065 J 0.025 U 0.085 J 0.094 U 0.076 J 0.076 J	0.17 J 0.096 J 0.54 J 0.96 J 0.81 J 1 J 0.56 J 0.43 0.4 J 1 J 0.13 J 0.27 J 0.5 J 0.19 J 0.19 J 0.19 J 2.8 J
Any several control of the control o	19/8 19/8 19/8 19/8 19/8 19/8 19/8 19/8	110 J 930 J 150 J 150 J 170 J 570 J 460 J 270 J 280 J 650 J 280 J 330 J 290 J 260 J 260 J 260 J 260 J 260 J 260 J 260 J 260 J 310 J		61 J 75 J 540 J 61 J 940 J 59 J 270 J 220 J 66 J 56 J 160 J 230 J 130 J 74 J 50 J 140 J 170 J 79 J 80 J 110 J 90 J		13 U 29 U 250 J 24 J 380 J 22 J 110 J 110 J 36 J 22 J 30 J 120 J 60 J 35 J 27 J 36 J 100 J 31 J 22 J 30 J 31 J 32 J 32 J		13 U 29 U 290 J 51 J 410 J 410 J 120 J 180 J 75 J 220 J 140 J 130 J 100 J 75 J 220 J 140 J 130 J 100 J 76 J 120 J 130 J 150 J		58 85 J 500 J 78 J 610 J 59 J 190 J 430 J 160 J 99 J 210 J 400 J 400 J 230 J 110 J 220 J 500 J 220 J 500 J 50	32 U 72 U 890 J 1300 J 90 J 410 J 1300 J 190 J 130 J 190 J 130 J 120 J 530 J 270 J 220 J 130 J 140 J 160 J 160 J 240 J 150		-	62 80 270 J 66 J 320 J 44 J 130 J 210 J 100 J 71 J 190 J 220 J 110 J 120 J 120 J 120 J 87 J 150 J 32		38 U 85 U 74 J 46 J 110 J 33 J 24 J 30 J 46 J 30 J 59 U 21 J 48 J 40 J 59 U 12 J 11 J 39 J 30 J 66 J 79 G 66 J 79 G 79 G 70 G		28 J 34 J 320 J 36 J 540 J 36 J 150 J 150 J 170 J 170 J 177 J 38 J 32 J 68	47 J 56 U 600 J 68 J 990 J 82 J 310 J 220 J 56 J 63 J 120 J 250 J 110 J 48 J 46 J 99 J 33 J 59 J 33 J 66 J 87 J 110			52 J 64 J 720 J 91 J 1100 J 88 J 360 J 110 J 84 J 140 J 220 J 130 J 76 J 140 J 300 J 100 J 84 J 140 J 150 J 160 J 160 J 160 J 160 J		12 U 28 U 120 J 111 J 220 J 14 J 62 J 44 J 9.9 J 10 J 19 U 50 J 27 J 9.6 U 11 J 18 U 24 J 18 J 9.6 U 11 J 12 J 12 J 12 J		4.3 J 6.7 J 50 J 4.2 J 71 J 4.3 J 23 J 4.2 J 4.6 J 8.4 J 30 J 11 J 2.6 J 3.3 J 8.7 J 18 J 4.0 J 1.1 J 3.1 S 7.1 J 1.1 J 3.1 S 7.1 J 1.1 J 3.1 S 7.1 J 1.1 J 4.2 J 4.4 J 4.5 J 4.7 J 4	33 J 32 J 260 J 29 J 380 J 150 J 110 J 21 J 33 J 100 J 160 J 180 J 23 J 23 J 22 J 26 J 99 J 99 J 39 J
Polychlorinated Biphenyls (PCBs) Aroclor-1016 (PCB-1016) Aroclor-1221 (PCB-1221) Aroclor-1222 (PCB-1222) Aroclor-1242 (PCB-1242) Aroclor-1248 (PCB-1248) Aroclor-1254 (PCB-1254) Aroclor-1250 (PCB-1250) Aroclor-1260 (PCB-1260) Aroclor-1262 (PCB-1260) Aroclor-1262 (PCB-1268) Total PCBs	mg/ks mg/ks mg/ks mg/ks mg/ks mg/ks mg/ks mg/ks mg/ks	0.037 U 0.026 U 0.033 U 0.028 U 0.028 U 0.029 U 0.013 U 0.033 U	0.049 U 0.047 U 0.032 U 0.04 U 0.034 U 0.028 U 0.036 U 0.016 U 0.04 U	0.037 U 0.035 U 0.025 U 0.031 U 0.026 U 0.021 U 0.028 U 0.012 U 0.031 U ND	0.048 U 0.046 U 0.032 U 0.034 UJ 0.028 U 0.036 U 0.016 U 0.04 U ND	0.049 U 0.047 U 0.033 U 0.041 U 0.035 U 0.029 U 0.037 U 0.016 U 0.041 U	0.06 U 0.058 U 0.04 U 0.05 U 0.043 U 0.035 U 0.045 U 0.02 U 0.05 U	0.03 U 0.029 U 0.02 U 0.025 U 0.021 U 0.017 U 0.022 U 0.01 U 0.025 U	0.045 U 0.043 U 0.03 U 0.037 U 0.032 U 0.026 U 0.034 U 0.015 U 0.037 U	0.032 U 0.031 U 0.022 U 0.027 U 0.023 U 0.019 U 0.054 J 0.011 U 0.027 U	0.032 U 0.031 U 0.021 U 0.027 U 0.023 U 0.019 U 0.043 J 0.011 U 0.027 U	0.046 U 0.044 U 0.03 U 0.038 U 0.032 U 0.027 U 0.034 U 0.015 U 0.038 U	0.042 U 0.04 U 0.028 U 0.035 U 0.035 U 0.025 U 0.032 U 0.014 U 0.035 U	0.037 U 0.035 U 0.025 U 0.031 U 0.026 U 0.021 U 0.028 U 0.012 U 0.031 U ND	0.057 U 0.055 U 0.038 U 0.048 U 0.041 U 0.033 U 0.043 U 0.019 U 0.048 U ND	0.03 U 0.029 U 0.02 U 0.025 U 0.021 UJ 0.018 U 0.023 U 0.01 U 0.025 U	0.032 U 0.031 U 0.021 U 0.027 U 0.023 UJ 0.019 U 0.024 U 0.011 U 0.027 U	0.036 U 0.035 U 0.024 U 0.03 U 0.026 UJ 0.18 0.027 U 0.012 U 0.03 U	0.038 U 0.037 U 0.026 U 0.032 U 0.027 UJ 0.2 0.029 U 0.013 U 0.032 U	0.038 U 0.036 U 0.025 U 0.031 U 0.027 UJ 0.022 U 0.028 U 0.013 U 0.031 U	0.037 U 0.035 U 0.025 U 0.031 U 0.026 UJ 0.022 U 0.028 U 0.012 U 0.031 U	0.043 U 0.041 U 0.029 U 0.036 U 0.031 U 0.13 0.032 U 0.014 U 0.036 U	0.063 U 0.06 U 0.042 U 0.052 U 0.044 U 0.037 U 0.047 U 0.021 U 0.052 U ND	0.03 U 0.028 U 0.02 U 0.025 U 0.021 U 0.017 U 0.022 U 0.0099 U 0.025 U	0.029 U 0.028 U 0.019 U 0.024 U 0.02 U 0.017 U 0.022 U 0.096 U 0.024 U	0.029 U 0.027 U 0.019 U 0.024 U 0.02 U 0.017 U 0.021 U 0.0095 U 0.024 U ND	0.03 U 0.029 U 0.02 U 0.025 U 0.025 U 0.018 U 0.023 U 0.01 U 0.025 U ND
Metals Antimony Arsenic Barium Beryllium Cadmium Chromium VI (hexavalent) Cobalt Copper Lead Manganese Mercury Methyl mercury Nickel Selenium Silver Thallium Vanadium Zinc	mg/ki,	3.3 3.3 4.23 J 0.30 9 1.1 9 26.7 9 1.1 9 2.6 7 9 1.1 9 2.1 9 1.1 9 2.1 9 1.1 9	0.096 J 3.8 159 J 0.59 0.27 J 18.3 6.4 15.5 25.4 265 0.24 J 12.5 1.9 U 0.070 J 0.15 J 23.6 62.7	0.46 U 2.2 44.2 0.24 U 0.43 11.9 2.6 11.6 57.5 109 2.0 0.00042 6.0 1.1 U 0.47 0.069 J 11.6 79.1	0.82 U 4.1 110 0.57 0.41 U 17.2 6.7 14.9 30.0 195 0.48 12.8 2.0 U 0.078 J 0.17 J 25.6 71.5	0.14 J 3.5 109 J 0.57 0.49 26.3 - 5.7 19.2 46.5 169 0.29 J 0.0007 12.1 0.091 J 0.16 J 23.5 86.7	0.074 J 2.9 116 J 0.64 0.30 J 27.6 - 6.3 16.6 27.7 139 0.090 J - 14.3 2.6 U 0.083 J 0.16 J 27.5 65.1	0.40 U 2.9 25.4 0.13 J 0.30 6.6 1.8 13.7 J 51.9 109 J 0.020 U 0.000028 U 5.8 1.0 U 0.35 J 0.019 U 7.2 75.6	0.70 U 2.6 100 0.44 0.42 18.5 - 4.8 12.7 J 29.9 300 J 0.056 J - 11.4 1.8 U 0.065 J 0.11 J 17.7 56.3	0.55 U 1.6 36.0 0.27 J 0.44 8.4 1.8 9.0 J 153 143 J 0.00013 5.5 1.4 U 0.097 J 0.049 J 61.1 69.8	0.43 U 1.6 28.5 0.14 J 0.66 11.0 2.0 9.4 J 152 127 J 0.00058 J 7.0 1.1 U 0.082 J 0.034 J 6.5 141	0.76 U 2.6 109 0.44 0.38 U 14.7 4.9 10.9 J 18.7 388 J 1.2 J 11.0 0.088 J 0.12 J 17.4 45.7	0.67 U 2.8 97.9 0.42 0.34 U 14.4 4.8 12.0 J 23.0 353.J 0.32.J 10.8 1.7 U 0.069.J 0.13.J 17.8 51.6	0.60 U 2.1 45.2 0.28 J 0.41 12.0 3.4 16.6 J 47.1 158 J 0.0054 J 0.00015 9.4 1.5 U 0.061 J 0.099 J 11.9 56.9	0.84 U 6.4 152 0.69 1.0 23.7 6.9 34.6 J 114 651 J 17.8 2.1 U 0.10 J 0.29 J 25.7	0.43 U 0.84 J 7.6 0.070 J 0.22 U 3.7 - 0.97 2.3 U 6.9 48.5 0.020 U 0.00005 J 2.2 1.1 U 0.31 0.021 U 5.8 17.7	0.52 U 0.70 J 16.2 0.11 J 0.26 U 7.7 1.3 4.1 U 15.0 64.7 0.024 U 3.4 1.3 U 0.22 J 0.025 U 7.4	0.60 U 1.3 J 25 2 0.30 U 0.47 12.0 2.7 7.7 29.6 106 1.5 0.00014 J 5.6 1.5 U 0.099 J 0.058 J 8.2 46.4	0.54 U 1.3 J 30.6 0.27 U 0.54 12.6 - 2.7 9.1 31.1 102 4.0 0.00086 J 5.4 1.4 U 0.10 J 0.069 J 8.4 45.2	0.59 U 1.3 J 83.2 0.31 0.29 U 12.7 4.1 8.8 6.6 256 0.11 J 8.3 1.5 U 0.030 J 0.078 J 13.5 35.5	0.48 U 1.2 79.6 0.31 0.24 U 13.0 - 3.6 6.6 5.4 2.24 0.027 J - 7.9 1.2 U 0.029 J 0.075 J 13.1 28.8	0.17 J 2.4 41.8 J 0.23 J 0.83 18.3 4.0 13.6 45.2 137 3.1 J 0.00039 7.6 1.5 U 0.12 J 0.984 J 11.0 70.2	0.11 J 2.9 84.5 J 0.41 J 0.51 24.8 	0.038 J 0.63 J 9.1 J 0.069 J 0.086 J 4.5 - 6.3 5.8 7.2 72.6 0.019 U 0.000037 J 1.1 U 0.27 0.21 U 5.2 16.8	0.034 J 1.0 J 45.6 J 0.18 J 0.094 J 6.6 — 2.4 5.0 10.1 153 0.084 J 4.3 1.1 U 0.038 J 0.045 J 8.0	0.41 U 1.1 15.3 0.21 U 0.21 U 5.6 1.3 6.6 11.6 134 0.075 J 0.00013 J 2.8 1.0 U 0.32 J 0.025 J 6.9 12.4	0.41 U 1.3 24.2 0.21 U 0.21 U 7.5 1.7 5.2 23.2 140 0.12 J 0.000045 J 3.6 1.0 U 0.15 J 0.034 J 9.8 19.1
Simultaneously Extracted Metals (Cadmium Copper Lead Nickel Silver Zinc AVS/SEM ⁽²⁾	(SEM) μmol/ μmol/ μmol/ μmol/ μmol/ μmol/ ηmol/ none	g 0.53 g 1.2 g 0.068 J g 0.0017 U g 2.0 J	- - - - -	0.0042 0.13 0.23 0.016 0.0014 U 0.83 6.3	-	0.0045 0.21 0.22 0.070 J 0.0023 U 1.1 J 44.6	- - - - - -	0.0031 0.10 0.29 0.023 J 0.0013 U 0.88 2.1	- - - - -	0.0049 0.14 0.39 0.038 J 0.0014 U 1.1 1.1	0.0063 0.12 0.40 0.032 J 0.0013 U 1.0 1.4	 	- - - - - -	0.0029 0.13 0.27 0.037 J 0.0015 U 0.53 0.54	- - - - - -	0.00058 U 0.017 0.059 0.0048 0.0014 U 0.17 3.0	- - - - -	0.0045 0.096 0.16 0.025 0.0014 U 0.24 U	0.0025 0.060 0.059 0.017 0.0015 U 0.38 7.4	 	- - - - - -	0.0091 0.18 0.25 0.068 J 0.0031 J 0.92 J 13.0	 	0.00056 U 0.098 0.029 0.014 UJ 0.0020 J 0.17 J 7.3	- - - - - -	0.00054 U 0.014 J 0.027 0.0041 J 0.0013 U 0.024 U	0.00050 U 0.020 J 0.034 0.0046 J 0.0012 U 0.040 U
General Chemistry Sulfide (acid soluble) Black carbon Total organic carbon (TOC)	μmol/ mg/kg mg/kg	23300	 66300	0.20 20000 26600	 46700	0.036 J 15900 54400	 68200	0.62 11900 2760	 47300	1.5 15400 13700	1.1 13900 10800	 37500	 40200	1.8 19600 39200	 75400	0.080 12500 1790	 15000	0.013 U 32000 20400	0.070 27300 23400	 27900	 25200	0.11 J 35500 16900	 57500	0.043 J 7470 4210	 9190	0.011 U 21900 25100 J	0.011 U 18400 22900 J

	Sample Locat Sample Identificat Sample De Sample De Sample Ty	on: SE-101716-JL- te: 10/17/2016 th: 0.5-2 ft BGS	10/17/2016 0.5-2 ft BGS Duplicate	SS-32 59 SE-100716-JL-044 10/7/2016 0-0.5 ft BGS	10/4/2016 0-0.5 ft BGS	SS-33 ' SE-100416-JL-018 10/4/2016 0.5-1.3 ft BGS	SS-34 SE-100716-JL-046 10/7/2016 0-0.5 ft BGS	SS-34 SE-100716-JL-047 10/7/2016 0.5-2 ft BGS	SS-35 SE-100616-JL-041 10/6/2016 0-0.5 ft BGS	SS-35 SE-100616-JL-042 10/6/2016 0-0.5 ft BGS Duplicate	10/6/2016 0.5-2 ft BGS	10/6/2016 0.5-2 ft BGS Duplicate	SS-35 SE-100616-JL-045 10/6/2016 4-5.2 ft BGS	SS-36 SE-100616-JL-038 10/6/2016 0-0.5 ft BGS	SS-36 SE-100616-JL-039 10/6/2016 0.5-2 ft BGS	SS-36 SE-100616-JL-040 10/6/2016 4-5.5 ft BGS	SS-37 SE-100616-JL-036 10/6/2016 0-0.5 ft BGS	SS-37 SE-100616-JL-037 10/6/2016 0.5-2 ft BGS	SS-38 SE-100616-JL-033 10/6/2016 0-0.5 ft BGS	10/6/2016 0.5-2 ft BGS	SS-38 SE-100616-JL-035 10/6/2016 4.4-5.9 ft BGS	SS-39 SE-100616-JL-031 10/6/2016 0-0.5 ft BGS	SS-39 SE-100616-JL-032 10/6/2016 0.5-2 ft BGS	SS-40 SE-100516-JL-029 10/5/2016 0-0.5 ft BGS	SS-40 SE-100516-JL-030 10/5/2016 0.5-2 ft BGS	SS-41 SE-100516-JL-027 10/5/2016 0-0.5 ft BGS	SS-41 SE-100516-JL-028 10/5/2016 0.5-2 ft BGS
Photoionization Detector			0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parameters Semi-Volatile Organic Compound Polycyclic Aromatic Hydrocarbons (I Acenaphthene Acenaphthene Acenaphthene Anthracene Benzo(a)phyrene Benzo(a)phyrene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(k)fluoranthene Chysene Dibenz(a,h)anthracene Fluoranthene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene Naphthalene Perylene Phenanthrene Pyrene Alkylated PAHs		g 0.011 U g 0.018 U g 0.018 U g 0.033 J g 0.04 J g 0.022 U g 0.077 U g 0.05 J g 0.021 U g 0.05 U g 0.02 U g 0.024 U g 0.034 U g 0.034 U g 0.034 U g 0.034 U g 0.034 U	0.011 U 0.018 U 0.018 U 0.05 J 0.042 J 0.06 J 0.027 J 0.02 J 0.043 U 0.047 J 0.02 U 0.078 J 0.019 U 0.024 U 0.033 U 0.047 J 0.091 U 0.077 J	0.021 J 0.024 J 0.12 J 0.38 0.33 J 0.48 0.23 J 0.15 J 0.37 J 0.37 J 0.32 J 0.32 J 0.32 J 0.035 U	0.013 U 0.021 U 0.039 J 0.11 J 0.13 J 0.067 J 0.069 J 0.24 J 0.080 J 0.24 J 0.038 U 0.14 J 0.038 U 0.13 J 0.14 J	0.013 U 0.021 U 0.021 U 0.022 J 0.027 J 0.033 U 0.025 U 0.05 U 0.05 U 0.054 U 0.024 U 0.028 U 0.028 U 0.028 U 0.039 U	0.19 J 0.17 J 0.6 2.1 2.2 2.7 1.3 1.3 0.88 2.2 2.39 J 4 0.22 J 1.8 0.066 U 0.54 J 2.1 3.5	0.065 J 0.11 J 0.25 J 0.84 0.93 1.2 0.65 J 0.55 J 0.27 J 1.7 0.07 J 0.8 0.068 U 0.3 J 0.95 1.4	0.03 U 0.049 U 0.056 J 0.3 J 0.36 J 0.47 J 0.25 J 0.22 J 0.38 J 0.054 U 0.69 J 0.46 J 0.47 J	0.03 U 0.05 U 0.053 J 0.25 J 0.32 J 0.46 J 0.22 J 0.15 J 0.055 U 0.65 U 0.45 J 0.25 U 0.45 J 0.25 U	0.027 U 0.045 U 0.052 J 0.28 J 0.35 J 0.51 J 0.24 J 0.16 J 0.35 J 0.05 U 0.67 J 0.44 J 0.44 J 0.05 U 0.67 J 0.05 U 0.05 U 0.05 U 0.05 U	0.028 J 0.045 U 0.071 J 0.31 J 0.37 J 0.51 J 0.24 J 0.25 J 0.22 J 0.75 J 0.48 U 0.44 J 0.082 U 0.23 U 0.38 J 0.22 J 0.75 J 0.08 U 0.44 J 0.08 U	0.013 U 0.022 U 0.025 U 0.025 U 0.025 U 0.033 U 0.033 U 0.051 U 0.051 U 0.046 U 0.046 U 0.023 U 0.028 U 0.028 U 0.028 U	0.034 U 0.056 U 0.056 U 0.27 J 0.27 J 0.38 J 0.18 J 0.19 J 0.13 J 0.27 J 0.49 J 0.39 J 0.39 U 0.39 U 0.39 U 0.38 U	0.027 U 0.045 U 0.045 U 0.025 J 0.25 J 0.37 J 0.18 J 0.18 J 0.13 J 0.26 J 0.49 J 0.046 U 0.35 J 0.083 U 0.23 U 0.37 J 0.39 J	0.012 U 0.02 U 0.02 U 0.024 U 0.024 U 0.024 U 0.031 U 0.019 U 0.047 U 0.032 U 0.042 U 0.022 U 0.025 U 0.026 U 0.037 U	0.038 J 0.082 J 0.12 J 0.52 J 0.6 J 0.71 J 0.35 J 0.23 J 0.28 J 0.28 J 0.42 J 0.54 J 0.072 U 0.27 U 0.28 U	0.024 J 0.043 J 0.069 J 0.32 J 0.36 J 0.42 J 0.24 J 0.22 J 0.18 J 0.85 J 0.04 J 0.071 U 0.19 U 0.29 J	0.028 U 0.047 U 0.047 U 0.09 J 0.13 J 0.087 J 0.071 J 0.11 U 0.16 J 0.052 U 0.061 U 0.086 U 0.23 U 0.061 J	0.026 U 0.043 U 0.043 U 0.15 J 0.15 J 0.2 J 0.092 J 0.11 U 0.17 J 0.048 U 0.27 J 0.046 U 0.25 J 0.079 U 0.22 U	0.011 U 0.018 U 0.018 U 0.022 U 0.022 U 0.028 U 0.028 U 0.017 U 0.043 U 0.029 U 0.021 U 0.039 U 0.024 U 0.033 U 0.033 U	0.032 U 0.053 U 0.053 U 0.053 U 0.14 J 0.16 J 0.22 J 0.052 U 0.12 U 0.17 J 0.059 U 0.26 J 0.27 J 0.096 U 0.27 J 0.096 U	0.026 U 0.043 U 0.043 U 0.12 J 0.11 J 0.17 J 0.087 J 0.11 U 0.14 J 0.28 J 0.046 U 0.056 U 0.079 U 0.27 J 0.079 U	0.03 U 0.054 J 0.051 J 0.26 J 0.32 J 0.35 J 0.21 J 0.15 J 0.655 U 0.45 J 0.052 U 0.25 U 0.25 U 0.25 U	0.025 U 0.042 U 0.042 U 0.042 U 0.14 J 0.15 J 0.089 J 0.098 U 0.16 J 0.047 U 0.24 J 0.054 U 0.076 U 0.27 U 0.27 U 0.21 U 0.21 U 0.28 J	0.029 U 0.047 U 0.061 J 0.38 J 0.47 J 0.68 J 0.35 J 0.21 J 0.52 J 0.053 U 0.89 J 0.056 U 0.34 J 0.066 U 0.32 J 0.82 J	0.035 J 0.042 U 0.091 J 0.27 J 0.28 J 0.35 J 0.19 J 0.17 J 0.13 J 0.047 U 0.64 J 0.045 U 0.055 U 0.077 U 0.21 U 0.38 J 0.58 J
Anyseted PATS 1-Methylnaphthalene 2-Methylnaphthalene 2-Methylnaphthalene C1-Benzo(a)anthracenes/chrysenes C1-Dibenzothiophenes C1-Fluorenes C1-Fluorenes C1-Phenanthrenes/Anthracenes/chrysenes C2-Benzo(a)anthracenes/chrysenes C2-Dibenzothiophenes C2-Phenanthrenes/Anthracenes C2-Naphthalenes C3-Benzo(a)anthracenes/chrysenes C3-Benzo(a)anthracenes/chrysenes C3-Benzo(a)anthracenes/chrysenes C3-Naphthalenes C3-Penanthrenes/Anthracenes C4-Penanthrenes/Anthracenes C4-Penanthrenes/Anthracenes C4-Dibenzothiophenes C4-Naphthalenes C4-Naphthalenes C4-Penanthrenes/Anthracenes Dibenzothiophenes C4-Penanthrenes/Anthracenes Dibenzothiophenes	ngi ngi ngi ngi ngi ngi ngi ngi ngi ngi			20 J 4.1 J 30 J 36 J 35 J 2.5 J 11 J 16 J 4.3 J 3.0 J 5.0 D 14 J 3.7 J 2.3 J 4.6 J 7.8 J 11 J 2.3 J 2.5 J 2.5 J 3.3 J 3.7 J 2.3 J 4.3 J 3.7 J 2.3 J 4.3 J 3.7 J 2.3 J 4.3 J 3.7 J 3.	1.3 J 2.8 U 2.1 J 2.0 J 3.2 J 3.0 J 11 J 9.1 J 2.7 J 2.7 J 2.9 J 12 J 6.0 J 2.5 J 3.6 J 7.3 J 3.1 J 1.4 J 3.0 J 3.6 J 3.1 J 4.1 J 5.1 J 5.1 J 5.2 J 5.3 J 5.4 J 5.5 J 5.5 J 5.6 J 5.6 J 5.7 J 5.	-	52 J 75 U 1600 J 340 J 2500 J 210 J 820 J 590 J 180 J 250 J 780 J 250 J 780 J 200 J 200 J 200 J 330 J 200 J 200 J 330 J 200 J 330 J 200 J 330 J 200 J 330 J 200 J 330 J 200 J 330 J 200 J 340 J 350 J		19 U 42 U 560 J 46 J 560 J 130 J 150 J 150 J 150 J 150 J 150 J 100 J 50 J 33 J 44 J 99 J 530 J 28 J 57 J 58 J 59 J 37 J 38 J 50 J 50 J 50 J 50 J 50 J 50 J 50 J 50	19 U 43 U 680 J 680 J 650 J 610 J 36 J 140 J 630 J 71 J 43 J 38 J 170 J 570 J 57 J 37 J 48 J 90 J 700 J 33 J 43 J 45 J 36	-			29 J 47 U 1200 J 180 J 2100 J 270 J 800 J 750 J 180 J 200 J 2120 J 270 J 220 J 270 J 220 J			19 J 36 U 740 J 100 J 980 J 60 J 220 J 420 J 61 J 79 J 260 C 82 J 53 J 78 J 140 J 290 C 37 J 56 J 63 J 59		8.6.J 14.J 450.J 370.J 22.J 81.J 490.J 48.J 27.J 1100.J 41.J 25.J 32.J 620.J 23.J 29.J 33.J 21.J			9.5 J 15 J 310 J 28 J 320 J 22 J 74 J 270 J 51 J 33 J 27 J 120 J 66 J 55 J 31 J 82 J 360 J 40 J 55 J 31 J 82 J 36 J 86 J 87 J 87 J 88 J 89 J 80 J 80 J 80 J 80 J 80 J 80 J 80 J 80		12 J 25 U 480 J 52 J 52 J 52 J 35 D 120 J 36 D 41 J 43 J 150 J 54 J 36 J 61 J 86 J 61 J 86 J 41 J 43 J 55 D 56 J 57 D 58 J 58 D 58		20 U 44 U 890 J 50 J 830 J 40 J 160 J 78 J 51 J 49 J 210 J 1700 J 81 J 60 J 53 J 130 J 810 J 54 J 48 J 80 J 46	
Polychlorinated Biphenyls (PCBs Arcolor-1016 (PCBs-1016) Arcolor-121 (PCBs-1221) Arcolor-1232 (PCBs-1221) Arcolor-1232 (PCBs-1242) Arcolor-1242 (PCBs-1242) Arcolor-1248 (PCBs-1244) Arcolor-1254 (PCBs-1254) Arcolor-1250 (PCBs-1250) Arcolor-1260 (PCBs-1260) Arcolor-1260 (PCBs-1268) Total PCBs	mg/l mg/ mg/ mg/ mg/ mg/ mg/ mg/ mg/ mg/	g 0.027 U g 0.019 U g 0.023 U g 0.022 U g 0.016 U g 0.021 U g 0.0093 U g 0.023 U	0.028 U 0.027 U 0.019 U 0.023 U 0.02 U 0.016 U 0.021 U 0.0093 U 0.023 U	0.028 U 0.027 U 0.019 U 0.023 U 0.02 U 0.016 U 0.021 U 0.0094 U 0.023 U ND	0.029 U 0.028 U 0.019 U 0.024 U 0.02 U 0.017 U 0.022 U 0.0096 U 0.024 U ND	0.029 U 0.028 U 0.02 U 0.024 U 0.021 U 0.017 U 0.022 U 0.0098 U 0.024 U	0.047 U 0.045 U 0.031 U 0.039 U 0.033 U 0.027 U 0.035 U 0.016 U 0.039 U	0.055 U 0.053 U 0.037 U 0.046 U 0.039 U 0.032 U 0.042 U 0.018 U 0.046 U	0.072 U 0.069 U 0.048 U 0.06 UJ 0.051 U 0.042 U 0.054 U 0.024 UJ 0.06 UJ ND	0.07 U 0.067 U 0.047 U 0.059 UJ 0.05 U 0.041 U 0.053 U 0.023 UJ 0.059 UJ ND	0.065 U 0.062 U 0.043 U 0.054 UJ 0.046 U 0.038 U 0.049 U 0.022 UJ 0.054 UJ	0.066 U 0.063 U 0.044 U 0.055 UJ 0.047 U 0.038 U 0.049 U 0.022 UJ 0.055 UJ	0.033 U 0.031 U 0.022 U 0.027 UJ 0.023 U 0.019 U 0.025 U 0.011 UJ 0.027 UJ	0.081 U 0.078 U 0.054 U 0.068 UJ 0.057 U 0.047 U 0.061 U 0.027 UJ 0.068 UJ	0.069 U 0.066 U 0.046 U 0.057 UJ 0.049 U 0.04 U 0.052 U 0.023 UJ 0.057 UJ ND	0.029 U 0.028 U 0.019 U 0.024 UJ 0.021 U 0.017 U 0.022 U 0.0097 UJ 0.024 UJ ND	0.06 U 0.058 U 0.04 U 0.05 UJ 0.043 U 0.035 U 0.045 U 0.05 UJ 0.05 UJ	0.055 U 0.053 U 0.037 U 0.046 UJ 0.039 U 0.032 U 0.041 U 0.018 UJ 0.046 UJ ND	0.069 U 0.066 U 0.046 U 0.058 UJ 0.049 U 0.04 U 0.052 U 0.052 U 0.023 UJ 0.058 UJ	0.064 U 0.061 U 0.043 U 0.053 UJ 0.045 U 0.037 U 0.048 U 0.021 UJ 0.053 UJ ND	0.028 U 0.027 U 0.019 U 0.023 UJ 0.02 U 0.016 U 0.021 U 0.0093 UJ 0.023 UJ ND	0.075 U 0.072 U 0.05 U 0.062 UJ 0.053 U 0.044 U 0.056 U 0.025 UJ 0.062 UJ	0.065 U 0.062 U 0.043 U 0.054 UJ 0.046 U 0.038 U 0.049 U 0.022 UJ 0.054 UJ	0.076 U 0.073 U 0.051 U 0.063 U 0.054 U 0.054 U 0.057 U 0.025 U 0.063 U ND	0.061 U 0.059 U 0.041 U 0.051 U 0.044 U 0.036 U 0.046 U 0.02 U 0.051 U	0.074 U 0.071 U 0.049 U 0.061 U 0.052 U 0.043 U 0.055 U 0.025 U 0.061 U ND	0.066 U 0.063 U 0.044 U 0.055 U 0.047 U 0.039 U 0.05 U 0.022 U 0.055 U
Metals Antimony Arsenic Barium Beylitum Cadrilum Chromium VI (hexavalent) Cobalt Copper Lead Manganese Mercury Methyl mercury Nickel Selenium Silver Thallium Vanadium Zinc	mg/ mg/ mg/ mg/ mg/ mg/ mg/ mg/ mg/ mg/	9 1.0 9 1.3.2 9 0.18 U 9 4.8 9	0.37 U 1.0 12.9 0.18 U 5.5 - 1.9 3.8 9.4 105 0.020 UJ - 4.6 0.92 U 0.010 J 0.021 J 7.7	0.032 J 0.79 J 9.4 0.076 J 0.048 J 4.0 1.0 3.7 21.4 74.7 0.020 U 0.000053 J 2.4 0.18 J 0.015 J 0.016 U	0.39 U 0.84 J 7.3 0.011 U 0.20 U 5.0 - 1.3 3.0 8.6 84.7 0.019 U 0.00026 U 3.7 0.51 J 0.64 0.019 U 4.6 34.4	0.42 U 1.4 14.3 0.011 U 0.21 U 6.1 1.8 2.5 5.3 149 0.066 J 3.7 0.48 J 0.21 U 0.42 U 6.7 12.8	0.15 J 2.8 65.9 0.23 J 0.48 12.0 4.0 14.5 46.2 412 0.090 J 0.00042 8.0 0.91 J 0.17 J 0.14 J 10.3 68.5	0.21 J 4.4 113 0.31 J 0.96 20.1 6.4 21.0 56.1 674 0.17 J 14.7 1.4 J 0.42 J 0.15 J 13.4	0.12 J 4.4 127 0.44 J 0.83 21.5 6.0 26.8 58.4 506 0.15 J 15.8 2.6 U 0.48 J 0.15 J 13.4	0.18 J 4.0 117 0.34 J 0.75 21.3 - 5.7 23.9 50.6 473 0.13 J 15.0 2.1 U 0.45 0.15 J 14.4	0.14 J 4.5 133 0.43 J 0.98 23.9 6.3 27.0 67.5 527 0.17 J 17.4 2.5 U 0.66 0.16 J 14.6	0.40 J 5.1 136 0.53 1.1 25.8 	0.016 UJ 1.1 U 17.7 0.057 J 0.032 J 4.8 - 1.5 0.45 U 1.4 77.1 0.026 U - 2.9 1.1 U 0.23 U 0.23 U	0.17 J 5.0 135 0.55 1.6 27.3 	0.17 J 4.8 131 0.50 1.5 26.6 - 5.8 27.2 83.9 540 0.18 J - 17.0 2.2 U 0.66 0.17 J 15.8 136	0.015 UJ 1.0 U 10.4 0.061 J 0.016 J 3.1 - 0.83 0.41 U 0.80 72.6 0.022 U - 1.6 1.0 U 0.21 U 0.22 U 3.6 4.7	0.12 J 4.5 119 0.47 J 0.86 22.8 -6.2 23.4 43.5 682 0.17 J 0.00032 15.1 2.5 U 0.57 0.15 J 15.1	0.15 J 5.8 131 0.36 J 1.4 24.1 6.8 23.7 64.8 762 0.23 J 16.8 1.8 U 0.58 0.17 J 17.5 119	0.23 J 3.8 120 0.51 J 0.85 20.8 5.3 21.9 47.1 462 0.15 J 0.00018 J 14.0 2.6 U 0.60 0.17 J 12.3	0.23 J 4.4 131 0.64 1.3 25.5 6.1 26.3 62.2 519 0.28 U 17.0 2.1 U 0.84 0.20 J 15.1	0.016 J 0.91 U 8.3 0.080 J 0.018 J 4.4 0.52 0.36 U 0.76 53.0 0.023 U - 1.2 0.91 U 0.18 U 0.017 U 2.4	0.26 J 4.3 127 0.61 1.2 25.7 	0.20 J 6.3 151 0.57 2.6 33.8 	1.2 U 4.8 120 0.41 J 1.5 24.9 5.6 21.9 J 54.0 603 J 0.00027 16.5 3.0 U 0.84 0.15 J 15.3	0.82 U 5.3 127 0.40 J 1.8 27.5 5.9 23.6 J 628 J 0.94 17.1 2.1 U 0.75 0.15 J 15.0	1.1 U 4.1 109 0.38 J 0.95 25.4 5.5 28.5 J 99.2 422 J 0.0002 J 14.9 2.8 U 0.53 J 0.14 J 14.9 14.9 14.9 14.9 14.9 14.9 14.9 14.9	0.98 U 4.6 129 0.50 1.5 27.1 15.7 26.9 J 153 495.J 0.28 16.4 2.5 U 0.93 0.16 J 16.8 153
Simultaneously Extracted Metals Cadmium Copper Lead Nickel Silver Zinc AVS/SEM ⁽²⁾	(SEM) μmα μmα μmα μmα μmα μmα μmα η mα η mα η	'g 'g 'g	- - - - - -	0.00058 U 0.017 0.049 0.0056 0.0013 U 0.10	0.00053 UJ 0.015 J 0.037 0.0052 0.0012 U 0.092 0.55	- - - - -	0.0030 J 0.098 0.074 0.027 0.0021 U 0.51 0.11	- - - - - -	0.0065 0.045 0.18 0.049 0.0032 U 1.2 0.062	0.0067 0.045 0.19 0.055 0.0033 U 1.3 0.025	- - - - -	 	- - - - - -	0.0096 0.15 0.30 0.058 0.0030 U 1.3 0.053	- - - - -	- - - - - -	0.0068 0.21 0.14 0.062 0.0025 U 1.0 0.64	- - - - -	0.0069 0.050 0.18 0.052 0.0038 U 1.3 0.039	 	- - - - -	0.0095 0.052 0.25 0.057 0.0033 U 1.3 0.041	- - - - -	0.016 0.11 0.29 0.10 J 0.0028 U 1.5 0.20	-	0.0083 0.10 0.42 0.062 J 0.0033 U 2.0 0.083	- - - - -
General Chemistry Sulfide (acid soluble) Black carbon Total organic carbon (TOC)	μmo mg/ mg/	g	 15500 J	0.060 U 5280 380 U	0.27 J 11400 1490	 19500	6.4 33300 34300	 86400	23.7 38100 64000 J	63.5 38500 60400 J	 79400	 	 7000	34.1 38000 82400	 64200	 11000	2.2 40800 60300 J	 72900	41.2 36600 60400 J	 47700 J	 2170 J	40.6 34700 54900 J	 50100 J	10.2 35600 59000	 50600	31.1 38400 65800	 56700

	Sample Lo Sample Identifi Sample Sample Sample	cation: SE- Date: Depth: (SS-42 -100416-JL-013 10/4/2016 0-0.5 ft BGS	SS-42 SE-100416-JL-014 10/4/2016 0.5-2 ft BGS	SS-43 SE-100416-JL-015 10/4/2016 0-0.5 ft BGS	SS-43 SE-100416-JL-016 10/4/2016 0.5-2 ft BGS	SS-45 SE-102016-JL-098 10/20/2016 0-0.5 ft BGS	SS-46 SE-101916-JL-094 10/19/2016 0-0.5 ft BGS	SS-47 SE-102016-JL-096 10/20/2016 0-0.5 ft BGS	SS-47 SE-102016-JL-097 10/20/2016 0.5-2 ft BGS	SS-48 SE-102016-JL-095 10/20/2016 0-0.5 ft BGS	SS-49 SE-102116-JL-101 10/21/2016 0-0.5 ft BGS	SS-49 SE-102116-JL-103 10/21/2016 0-0.5 ft BGS Duplicate	SS-49 SE-102116-JL-102 10/21/2016 0.5-2 ft BGS	SS-49 SE-102116-JL-104 10/21/2016 0.5-2 ft BGS Duplicate	SS-50 SE-102116-JL-099 10/21/2016 0-0.5 ft BGS	SS-50 SE-102116-JL-100 10/21/2016 0.5-2 ft BGS	SS-51 SE-102116-JL-105 10/21/2016 0-0.5 ft BGS	SS-51 SE-102116-JL-106 10/21/2016 0.5-2 ft BGS	SS-52 SE-102116-JL-107 10/21/2016 0-0.5 ft BGS	SS-52 SE-102116-JL-108 10/21/2016 0.5-2 ft BGS	SS-53 SE-102716-JL-111 10/27/2016 0-0.5 ft BGS	SS-53 SE-102716-JL-112 10/27/2016 0.5-2 ft BGS	SS-54 SE-102716-JL-109 10/27/2016 0-0.5 ft BGS	SS-57 SE-102716-JL-114 10/27/2016 0-0.5 ft BGS	SS-57 SE-102716-JL-115 10/27/2016 0.5-2 ft BGS	SS-58 SE-102716-JL-110 10/27/2016 0-0.5 ft BGS	SS-58 SE-102716-JL-113 10/27/2016 0.5-2 ft BGS
Photoionization Detector			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parameters		Jnits																										
Semi-Volatile Organic Compound Polycyclic Aromatic Hydrocarbons (I Acenaphthene Acenaphthene Anthracene Benzo(a)phyrene Benzo(a)phyrene Benzo(g)fluoranthene Benzo(g)fluoranthene Benzo(g,h.i)perylene Benzo(g,h.i)perylene Benzo(g,h.i)perylene Benzo(g,h.i)perylene Benzo(g,h.i)perylene Benzo(g,h.i)perylene Benzo(g,h.i)perylene Fluoranthene Fluoranthene Fluoranthene Pluorane Indeno(1,2,3-od)pyrene Naphthalene Perylene Perylene Perylene Perylene	PAHs)	ng/kg ng/kg ng/kg ng/kg ng/kg ng/kg ng/kg ng/kg ng/kg ng/kg ng/kg ng/kg ng/kg ng/kg	0.18 J 0.18 U 0.39 J 0.88 J 0.77 J 0.98 J 0.56 J 0.17 U 0.43 U 1 J 0.21 U 2.3 J 0.19 J 0.24 U 0.34 U 0.34 U 1.7 J	0.076 U 0.13 U 0.13 U 0.13 U 0.3 J 0.23 J 0.29 J 0.19 J 0.12 U 0.35 J 0.14 U 0.59 J 0.18 U 0.63 U 0.63 U 0.73 U 0.58 J	0.019 J 0.03 J 0.079 J 0.32 J 0.32 J 0.43 0.23 J 0.27 J 0.35 J 0.049 J 0.05 0.029 J 0.22 J 0.44 U 0.12 J 0.58	0.013 J 0.02 U 0.045 J 0.19 J 0.16 J 0.22 J 0.11 J 0.097 J 0.36 J 0.36 J 0.37 U 0.18 J 0.37 U 0.18 J 0.32 J	0.013 U 0.021 U 0.071 J 0.17 J 0.15 J 0.21 J 0.1 J 0.082 J 0.18 J 0.23 U 0.4 0.022 U 0.027 U 0.038 U 0.1 U	0.012 U 0.019 U 0.019 U 0.03 J 0.023 U 0.039 J 0.023 U 0.018 U 0.045 U 0.031 U 0.025 U 0.025 U 0.035 U 0.035 U	0.015 J 0.02 U 0.05 J 0.2 J 0.19 J 0.26 J 0.14 J 0.12 J 0.22 J 0.023 U 0.42 0.021 U 0.13 J 0.021 U 0.13 J 0.03 U 0.14 J 0.02 J	0.49 0.053 J 2.5 4.1 3.1 4.2 2.1 1.6 4 0.62 8.1 1 1.8 0.068 J 0.73 J 7	0.013 U 0.021 U 0.053 J 0.16 J 0.17 J 0.22 J 0.13 J 0.19 J 0.09 J 0.19 J 0.022 U 0.12 J 0.039 J 0.12 J 0.039 U 0.11 U 0.39 J 0.38 J	0.017 U 0.028 U 0.028 U 0.028 U 0.14 J 0.14 J 0.19 J 0.11 J 0.085 J 0.032 U 0.25 J 0.095 J 0.095 U 0.14 U 0.14 J 0.15 J 0.051 U 0.14 J 0.15 J	0.032 J 0.026 U 0.076 J 0.33 J 0.37 J 0.49 J 0.26 J 0.21 J 0.43 J 0.03 U 0.75 J 0.03 U 0.75 J 0.04 U 0.13 U 0.13 U	0.026 J 0.03 U 0.073 J 0.24 J 0.26 J 0.16 J 0.16 J 0.27 J 0.034 U 0.5 J 0.032 J 0.17 J 0.055 U 0.15 U 0.15 U	0.056 J 0.03 U 0.17 J 0.32 J 0.28 J 0.34 J 0.16 J 0.35 J 0.034 U 0.64 0.085 J 0.17 J 0.056 U 0.15 U	0.012 U 0.02 U 0.02 U 0.088 J 0.099 J 0.061 J 0.055 J 0.12 J 0.022 U 0.25 J 0.021 U 0.085 J 0.021 U 0.095 U 0.095 U 0.095 U	0.017 U 0.028 U 0.028 U 0.033 U 0.033 U 0.033 U 0.044 U 0.026 U 0.065 U 0.044 U 0.039 U 0.029 U 0.036 U 0.036 U 0.044 U	0.021 U 0.035 U 0.039 J 0.1 J 0.1 J 0.14 J 0.071 J 0.033 U 0.882 U 0.13 J 0.039 U 0.21 J 0.037 U 0.065 U 0.065 U	0.024 U 0.039 U 0.039 U 0.11 J 0.11 J 0.06 U 0.087 J 0.092 U 0.14 J 0.24 J 0.041 U 0.086 J 0.071 U 0.096 J	0.021 U 0.035 U 0.035 U 0.041 U 0.041 U 0.054 U 0.055 U 0.033 U 0.082 U 0.039 U 0.074 U 0.037 U 0.065 U 0.039 U 0.075 U	0.024 U 0.039 U 0.039 U 0.046 U 0.046 U 0.061 U 0.061 U 0.037 U 0.083 U 0.062 U 0.083 U 0.064 U 0.083 U 0.061 U 0.072 U	0.12 J 0.066 J 0.3 J 0.69 0.67 0.95 0.48 J 0.41 J 0.38 J 0.16 J 1.7 0.19 J 0.54 J 0.15 J 0.15 U 1.6 1.5	0.016 U 0.026 U 0.033 J 0.075 J 0.088 J 0.031 U 0.031 U 0.031 J 0.061 U 0.079 J 0.14 J 0.028 U 0.034 U 0.034 U 0.034 U 0.034 U	0.26 J 0.11 J 0.85 1.9 1.8 2.4 1.2 1 0.94 2 0.27 J 4.9 0.38 J 1.3 0.14 J 0.14 J 0.44 J 0.45	0.063 J 0.028 U 0.29 J 0.082 J 0.077 J 0.06 J 0.051 J 0.066 U 0.086 J 0.22 J 0.13 J 0.13 J 0.13 J 0.14 U 0.25 J 0.19 J	0.028 J 0.035 U 0.14 J 0.2 J 0.14 J 0.21 J 0.11 J 0.08 J 0.083 U 0.21 J 0.07 J 0.08 J 0.17 J 0.17 J 0.18 U 0.18 U 0.18 U 0.18 U	0.032 U 0.053 U 0.053 U 0.074 J 0.063 U 0.098 J 0.083 U 0.055 U 0.13 U 0.085 U 0.14 J 0.065 U 0.14 J 0.065 U 0.14 J 0.057 U 0.069 U	0.021 U 0.045 J 0.14 J 0.37 J 0.29 J 0.67 J 0.67 J 0.69 J 0.44 J 0.039 U 1 0.05 J 0.29 J 0.063 U 0.17 U 0.52 J
Alkylated PAHs 1-Methylnaphthalene 2-Methylnaphthalene C1-Benzo(a)anthracenes/chrysenes C1-Dibenzothiophenes C1-Fluoranthenes/Pyrenes C1-Fluoranthenes/Pyrenes C1-Fluoranthrenes/Anthracenes C2-Dibenzothiophenes C2-Pibrachtiophenes C2-Pibrachtiophenes C2-Pibrachtiophenes C2-Phananthrenes/Anthracenes C3-Benzo(a)anthracenes/chrysenes C3-Penanthrenes/Anthracenes C3-Pibrachtiophenes C3-Phenanthrenes/Anthracenes C4-Penzo(a)anthracenes/chrysenes C4-Dibenzothiophenes C4-Phenanthrenes/Anthracenes C4-Phenanthrenes/Anthracenes Dibenzothiophenes C4-Phenanthrenes/Anthracenes Dibenzothiophenes	s s	na/a na/a na/a na/a na/a na/a na/a na/a	94 140 610 J 170 J 730 J 120 J 380 J 340 J 390 J 190 J 350 J 660 J 240 J 370 J 210 J 380 J 380 J 370 J 210 J 380 J 370 J 370 J 240 J 370 J 380 J 370 J 380 J		21 J 32 J 270 J 56 J 450 J 30 J 130 J 94 J 42 J 26 J 45 J 110 J 61 J 23 J 21 J 47 J 49 J 89 J 30 J 89 J 80		23 J 33 J 150 J 17 J 220 J 21 J 93 J 58 J 12 J 13 J 49 J 70 J 38 J 10 J 13 J 46 J 33 J 22 J 33 J 34 J 47 J 34 J 37 J 38 J 47 J 48 J 48 J 49 J 49 J 40	5.1 J 8.4 U 92 J 41 J 240 J 17 J 80 J 28 J 12 J 13 J 60 J 12 J 10 J 8.9 J 18 J 2.9 U 18 J 2.9 U 1.0 J 2.0 J 3.0 J	7.7 J 9.6 J 110 J 12 J 170 J 111 J 47 J 51 J 111 J 9.9 J 18 J 51 J 36 J 9.3 J 7.4 J 18 J 27 J 5.9 J 15 J 13 J 11 J		69 37 J 300 J 51 J 430 J 27 J 120 J 45 J 31 J 89 J 120 J 50 J 5	17 J 28 U 330 J 44 J 520 J 55 J 160 J 130 J 38 J 30 J 42 J 140 J 75 J 27 J 22 L 45 J 67 J 40 J 15 J 31 J 35 J 48	31 J 36 J 390 J 47 J 580 J 49 J 190 J 170 J 46 J 55 J 170 J 110 J 40 J 22 J 53 J 88 J 88 J 87 J 87 J 88 J 87 J 88 J 89 J 80 J			32 J 57 U 63 J 51 J 110 J 68 J 30 J 25 J 48 J 62 J 7.1 J 15 J 40 J 53 J 7.6 J 82 J 64 J 7.7 5		14 U 32 U 260 J 19 J 360 J 16 J 87 J 110 J 20 J 16 J 27 J 88 J 66 J 17 J 18 J 27		22 26 55 J 70 J 100 J 82 J 40 J 20 J 55 S J 90 J 36 J 11 J 3.5 J 6.9 J 29 J 16 S J 18 J 18 J 18 J 18 J 18 J 18 J 18 J 18		87 160 360 J 47 J 570 J 52 J 210 J 160 J 42 J 56 J 220 J 100 J 34 J 43 J 200 J 120 J 71 J 22 J 56 J 22 J 36 J 37 J 38 J 38 J 38 J 38 J 38 J 38 J 38 J 38		610 840 2200 J 360 J 360 J 3800 J 440 J 2000 J 750 J 170 J 210 J 750 J 1300 J 270 J 88 J 130 J 460 J 96 J 29 U 170 J 130 J 130 J	13 U 29 U 110 J 110 J 200 J 31 J 64 J 59 J 22 J 19 J 38 J 65 J 46 J 25 J 16 J 43 J 37 J 26 J 30 J 37 J 45 J		6.5 U 15 U 290 J 210 J 13 J 57 J 390 J 22 J 15 J 16 J 59 J 720 J 13 J 11 J 17 J 26 B 3 J 4 J 4 J 4 J 4 J 4 J 4 J 5 J 5 J 5 J 7 J 7 J 8	
Polychlorinated Biphenyls (PCBs) Arcolor-1016 (PCBs-1016) Arcolor-1221 (PCBs-1221) Arcolor-1232 (PCBs-1232) Arcolor-1232 (PCBs-1242) Arcolor-1248 (PCBs-1248) Arcolor-1254 (PCBs-1254) Arcolor-1256 (PCBs-1256) Arcolor-1260 (PCBs-1256) Arcolor-1260 (PCBs-1260) Arcolor-1262 (PCBs-1260) Arcolor-1262 (PCBs-1260) Total PCBs	1	ng/kg ng/kg ng/kg ng/kg ng/kg ng/kg ng/kg ng/kg	0.069 U 0.066 U 0.046 U 0.057 U 0.049 U 0.04 U 0.052 U 0.023 U 0.057 U ND	0.049 U 0.047 U 0.032 U 0.031 U 0.034 U 0.028 U 0.037 U 0.016 U 0.041 U ND	0.034 U 0.032 U 0.022 U 0.028 U 0.024 U 0.02 U 0.025 U 0.011 U 0.028 U	0.029 U 0.028 U 0.019 U 0.024 U 0.021 U 0.017 U 0.022 U 0.0097 U 0.024 U	0.029 U 0.028 U 0.019 U 0.024 U 0.024 U 0.017 U 0.022 U 0.0096 U 0.024 U ND	0.029 U 0.028 U 0.019 U 0.024 U 0.021 UJ 0.017 U 0.022 U 0.0097 U 0.024 U	0.029 U 0.028 U 0.019 U 0.024 U 0.02 U 0.017 U 0.022 U 0.0096 U 0.024 U ND	0.032 U 0.031 U 0.021 U 0.027 U 0.023 U 0.046 J 0.024 U 0.011 U 0.027 U	0.03 U 0.029 U 0.02 U 0.025 U 0.025 U 0.018 U 0.023 U 0.01 U 0.025 U	0.04 U 0.038 U 0.027 U 0.033 U 0.028 U 0.023 U 0.031 U 0.013 U 0.033 U	0.039 U 0.038 U 0.026 U 0.033 U 0.028 U 0.023 U 0.031 U 0.013 U 0.033 U	0.042 U 0.04 U 0.028 U 0.035 U 0.03 U 0.025 U 0.032 U 0.014 U 0.035 U ND	0.043 U 0.042 U 0.029 U 0.036 U 0.031 U 0.025 U 0.033 U 0.014 U 0.036 U	0.03 U 0.028 U 0.02 U 0.025 U 0.021 U 0.017 U 0.022 U 0.0099 U 0.025 U	0.04 U 0.038 U 0.026 U 0.033 U 0.028 U 0.023 U 0.03 U 0.013 U 0.033 U	0.052 U 0.05 U 0.035 U 0.035 U 0.037 U 0.031 U 0.039 U 0.017 U 0.043 U 0.043 U	0.058 U 0.055 U 0.038 U 0.048 U 0.041 U 0.034 U 0.043 U 0.019 U 0.048 U ND	0.051 U 0.049 U 0.034 U 0.034 U 0.036 U 0.038 U 0.017 U 0.043 U 0.043 U	0.056 U 0.054 U 0.037 U 0.047 U 0.04 U 0.033 U 0.042 U 0.019 U 0.047 U	0.041 U 0.04 U 0.028 U 0.034 U 0.029 U 0.024 U 0.031 U 0.014 U 0.034 U	0.038 U 0.036 U 0.025 U 0.031 U 0.027 U 0.022 U 0.028 U 0.013 U 0.031 U	0.04 U 0.038 U 0.026 U 0.033 U 0.028 U 0.023 U 0.03 U 0.013 U 0.033 U	0.042 U 0.04 U 0.028 U 0.035 U 0.035 U 0.025 U 0.032 U 0.014 U 0.035 U	0.053 U 0.051 U 0.035 U 0.044 U 0.037 U 0.031 U 0.04 U 0.018 U 0.044 U	0.077 U 0.073 U 0.051 U 0.064 U 0.054 U 0.045 U 0.045 U 0.026 U 0.026 U 0.064 U	0.052 U 0.05 U 0.035 U 0.043 U 0.037 U 0.03 U 0.039 U 0.017 U 0.043 U ND
Metals Antimony Arsenic Barium Berylium Cadmium Chromium VI (hexavalent) Cobatt Copper Lead Manganese Mercury Methyl mercury Nickel Selenium Silver Thallium Vanadium Zinc		ngikg	1.0 U 4.9 104 0.029 U 0.67 18.4 5.6 19.2 116 555 0.33 0.00036 14.3 1.9 J 0.52 U 1.0 U 20.0	0.68 U 5.4 144 0.63 U 0.50 19.1 7.1 23.2 82.5 697 4.6 16.7 1.8 0.34 U 0.68 U 26.0 116	0.54 U 1.5 13.7 0.27 U 0.27 U 0.27 U 5.3 - 1.5 3.6 14.7 152 0.022 U 0.00035 J 3.6 0.44 J 0.27 U 0.26 U 7.1 26.5	0.48 U 1.0.J 8.6 0.013 U 0.24 U 3.8 1.0 2.6 7.7 79.3 0.023 U 2.5 0.25 J 0.24 U 0.023 U 4.3 18.0	0.44 U 1.1 U 15.7 0.061 J 0.069 J 4.8 0.19 U 1.1 4.7 26.4 212 0.021 U - 2.7 1.1 U 0.22 U 0.021 U 7.0 16.4	0.41 U 1.1 27.5 0.17.J 0.21 U 10.3 0.19 U 2.3 4.8 U 10.0 106 0.063 J - 5.3 1.0 U 0.37 J 0.038 J 12.1 18.3	0.43 U 1.0 U 11.4 0.13 J 0.19 5.6 0.18 U 1.3 8.3 560.0 71.5 0.023 J 3.5 0.85 U 0.17 U 0.030 J 5.8 35.8	0.48 U 1.2 U 14.5 0.17 J 0.41 6.1 1.3 8.1 59.5 71.1 0.048 J 3.6 1.2 U 0.22 J 6.4 44.1	0.42 U 1.4 U 8.6 0.097 J 0.12 J 3.7 0.34 J 1.4 4.0 11.2 120 0.025 U - 2.6 1.1 U 0.21 U 0.031 J 4.8 16.1	1.0 U 1.9 42.9 0.21 J 0.43 12.2 0.52 U 2.8 12.4 47.5 129 0.12 J 6.1 1.6 U 0.33 U 0.062 J 9.8 56.6	0.58 U 1.9 46.2 0.24 J 0.89 13.3 0.50 U 2.8 12.2 124 0.993 J 6.5 1.5 U 0.098 J 11.1 70.3	0.54 U 2.5 61.8 0.30 0.55 15.8 - 4.1 16.1 68.7 165 1.0 - 9.2 1.7 U 0.10 J 14.1 74.6	0.69 U 2.9 72.0 0.36 0.99 18.4 4.4 19.2 53.5 173 0.686 10.4 1.9 U 0.12 J 16.9 82.3	0.42 U 1.1 U 24.5 0.12 J 0.091 J 9.9 0.37 U 1.4 6.0 17.1 79.1 0.057 J - 3.1 1.1 U 0.22 J 5.3 17.2	0.50 U 1.3 U 40.9 0.16 J 0.076 J 10.0 1.8 5.5 8.6 119 0.034 J 4.6 1.3 U 0.25 U 0.032 J 7.6 16.4	0.21 J 2.5 81.0 0.50 0.90 0.86 U 4.2 23.0 66.8 157 -12.3 2.5 0.15 J 0.14 J 16.8	0.15 J 2.8 82.7 0.50 1.1 25.6 4.5 24.1 76.0 161 0.17 J 12.6 2.5 0.16 J 0.13 J 17.5 128	0.034 J 18.6 J 78.9 0.30 J 0.21 J 15.0 0.64 U 3.5 11.4 14.1 256 0.090 J - 8.9 1.9 U 0.044 J 0.075 J 13.2 41.3	0.031 U 1.6 J 84 2 0.34 J 0.21 J 15.8 3.6 10.2 12.6 249 0.077 J 9.3 2.2 U 0.036 J 0.071 J 12.2 35.1	0.58 U 2.0 34.7 0.32 U 0.30 U 9.2 0.52 U 2.6 19.3 82.2 104 5.4 - 6.2 1.5 U 0.29 U 0.078 J 15.4 60.4	0.48 UJ 1.2 UJ 26.8 0.26 U 0.24 U 9.8 - 1.6 8.8 26.8 76.8 0.30 J - 4.8 1.2 U 0.065 J 7.4 22.0	0.63 U 19 290 0.32 U 1.8 7.4 0.49 U 2.0 9.9 24.4 111 0.39 -6.5 1.6 U 0.32 U 0.061 J 14.6 5555	0.67 U 2.8 72.0 0.34 U 0.33 U 11.9 0.54 U 3.1 9.7 22.5 539 0.058 J 8.6 1.7 U 0.33 U 0.056 J 14.0 45.7	0.83 U 4.6 113 0.56 U 0.51 U 16.1 4.8 16.2 38.9 840 0.13 J 12.6 2.1 U 0.11 J 16.6 88.4	1.2 U 3.0 U 127 0.59 U 14.5 0.98 U 14.5 0.98 U 3.9 16.6 14.4 878 0.079 J 	0.87 U 2.2 U 78.1 0.43 U 0.43 U 9.5 2.3 10.3 10.1 563 0.049 J 6.8 2.2 U 0.43 U 0.066 J 7.5 43.8
Simultaneously Extracted Metals Cadmium Copper Lead Nickel Silver Zinc AVS/SEM ⁽²⁾	 	mol/g mol/g mol/g	0.0012 J 0.040 J 0.094 0.019 0.0024 U 0.34 0.013	- - - - -	0.00058 UJ 0.022 J 0.053 0.011 0.0014 U 0.19 0.028	 	- - - - - -	 	- - - - - -	- - - - -	- - - - - -	- - - - -	 	- - - - - -	 	- - - - - -	- - - - - -	- - - - - -	- - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - -	-	- - - - - -	- - - - -
General Chemistry Sulfide (acid soluble) Black carbon Total organic carbon (TOC)	r	mol/g ng/kg ng/kg	39.2 19900 49400	 40700	9.7 12800 4590	 2130	 2780	 28800	 5250	 3330	 1730	 30000	 22900	 35000	 22400	 1410	 32900	 58600	 58600	 91100	 86700	 20700 J	 19000	 23300	 25600	 53000	 53600	 44000

Parameters Usite Search (PID) Reading (ppm) ⁽¹⁾ : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Sample Location: Sample Identification: Sample Date: Sample Depth: Sample Type:	SS-59 SE-102716-JL-118 10/27/2016 0-0.5 ft BGS	SS-59 SE-102716-JL-119 10/27/2016 0.5-2 ft BGS	SS-60 SE-102716-JL-116 10/27/2016 0-0.5 ft BGS	SS-60 SE-102716-JL-117 10/27/2016 0.5-2 ft BGS
Semi-Volatile Organic Compounds (SVOCs) Polycycle Advantact hydrocarbons (PAHs) Polycycle Advantact hydrocarbons (PAHs) Polycycle Advantact hydrocarbons (PAHs) Polycycle Advantactors (PAHs) Polycycle Advantactors Polycycle Advantact	Photoionization Detector (0	0	0	0
Projection Average Hydrocarbone (PAHs) Projection Average Hydrocarbone mg/kg	Parameters	Units				
Accesspethyleme mg/sg 0.035 J 0.031 J 0.032 U 0.025 U 0.026 U 0.038 U 0.040 U 0.058 U 0.059 U						
Acomplethylene mg/kg 0.092 J 0.038 U 0.052 U 0.045 U 0.045 U 0.047 J 0.052 U 0			0.035 1	0.03 1	0.03311	0.02711
Anthracenee mg/kg 0.089 J 0.05 J 0.05 J 0.05 U 0.04 J 0.05 J 0.05 U 0.04 J 0.05 J 0.05 J 0.05 J 0.01 J 0.10 J 0.10 J 0.05 J 0.05 J 0.01 J 0.10 J 0.05 J 0.05 J 0.01 J 0.10 J 0.05 J 0.05 J 0.01 J 0.10 J 0.05 J 0.05 J 0.05 J 0.01 J 0.10 J 0.05						
Berzoolphyrene	Anthracene	mg/kg	0.089 J	0.05 J	0.052 U	0.047 J
Berzolphymene						
Berzole pyrene						
Beracyfulpiananthene					0.100	
Chrysene mghkg 0.76 J 0.47 J 0.12 J 0.25 J 0.15 J 0.15 J 0.25 J 0.15 J 0						
Dibenzic Alpharithreenee						
Fiboranthene mg/kg 0.651 U 0.94 U 0.25 U 0.52 J 0.5						
Indemot (1.2-3-cd pymene mg/kg			1.7		0.2 J	0.52 J
Naphthalene						
Perjene mg/kg 0.24 U 0.38 J 0.1 U 0.22 U Perjene mg/kg 0.4 J 0.38 J 0.1 U 0.47 J Perjene mg/kg 0.4 J 0.38 J 0.1 U 0.47 J Perjene mg/kg 0.4 J 0.38 J 0.1 U 0.47 J Perjene mg/kg 0.4 J 0.38 J 0.1 U 0.47 J Perjene mg/kg 0.4 J 0.38 J 0.1 U 0.47 J Perjene mg/kg 0.4 J 0.32 J 0.51 J Malkylated PAHS						
Phenanthrene mg/kg						
Methylinyhithatiens		mg/kg				
Indestryinaphthalene	Pyrene	mg/kg	1.4	0.62 J	0.22 J	0.51 J
2-Methylnaphthalene						
2-18-berizo(a)anthracenes/chysenes						
21-Dienzonthiophenes						
201-FilozonthenesPyrenes			64 J		72 J	
22-Benzo(a)anthracenes	C1-Fluoranthenes/Pyrenes	ng/g				
22-Benzo(a)anthracenes	C1-Phenanthrenes/Anthroconce			-		-
22-Diberozhiophenes						-
22-Naphthalenes			74 J		70 J	-
23-Benzothophenes						
23-Benzo(a)panthracenes/chrysenes ng/g 840 J - 500 J - 23-Benzo(a)panthracenes/chrysenes ng/g 40 J - 31 J - 23-Benzo(a)panthracenes/chrysenes ng/g 40 J - 31 J - 23-Benzo(a)panthracenes/chrysenes ng/g 130 J - 86 J - 23-Benzo(a)panthracenes/chrysenes ng/g 31 J - 16 J - 24-Benzo(a)panthracenes/chrysenes ng/g 31 J - 16 J - 24-Benzo(a)panthracenes/chrysenes ng/g 61 J - 29 J - 24-Benzo(a)panthracenes/chrysenes ng/g 61 J - 29 J - 24-Benzo(a)panthracenes/chrysenes ng/g 61 J - 29 J -	C2-Naphthalenes			-		-
23-Dibenzothiophenes						-
23-Naphthalenes			61 J			
24-Benzo(a)anthracenes/chrysenes ng/g 360 J - 190 J -						-
2-4-Benzotholphenes				-		-
24-Diberzothiophenes						_
24-Phenanthrenes/Anthracenes ng/g 61 J - 29 J - - -	C4-Dibenzothiophenes				16 J	
Polychlorinated Biphenyls (PCBs) Polychlorinate						
Arcolor-1216 (PCB-1016) mg/kg 0.086 U 0.056 U 0.079 U 0.061 U Arcolor-121 (PCB-1221) mg/kg 0.065 U 0.054 U 0.076 U 0.061 U Arcolor-122 (PCB-1222) mg/kg 0.065 U 0.054 U 0.058 U 0.053 U 0.053 U 0.053 U 0.053 U 0.057 U 0.066 U 0.053 U 0.057 U 0.066 U 0.053 U 0.057 U 0.066 U 0.053 U 0.056 U 0.047 U 0.066 U 0.053 U 0.057 U 0.066 U 0.053 U 0.056 U 0.047 U 0.066 U 0.053 U 0.056 U 0.047 U 0.066 U 0.053 U 0.056 U 0.057 U 0.057 U 0.056 U 0.057 U 0.057 U 0.056 U 0.057 U 0.057 U 0.057 U 0.056 U 0.057				-		-
Arcolor-122 (PCB-1221) mg/kg 0.065 U 0.054 U 0.078 U 0.061 U 0.078 U 0.061 U 0.078 U 0.061 U 0.078 U 0.061 U 0.068 U 0.063 U 0.064 U 0.058 U 0.063 U 0.064 U 0.058 U 0.063 U 0.063 U 0.065 U						
Arcolor-1222 (PCB-1232) mg/kg 0.045 U 0.038 U 0.053 U 0.043 U Arcolor-1242 (PCB-1242) mg/kg 0.056 U 0.047 U 0.066 U 0.053 U Arcolor-1248 (PCB-1248) mg/kg 0.048 U 0.04 U 0.056 U 0.057 U Arcolor-1248 (PCB-1248) mg/kg 0.048 U 0.033 U 0.043 U 0.057 U Arcolor-1248 (PCB-1248) mg/kg 0.039 U 0.033 U 0.043 U 0.057 U Arcolor-1240 (PCB-1250) mg/kg 0.051 U 0.032 U 0.059 U 0.028 U 0.021 U 0.059 U 0.022 U 0.021 U 0.022 U 0.023 U 0.023 U 0.047 U 0.066 U 0.053 U ND						
Arcolor-1242 (PCB-1242) mg/kg 0.056 U 0.047 U 0.068 U 0.053 U Arcolor-1248 (PCB-1248) mg/kg 0.048 U 0.040 U 0.055 U 0.045 U Arcolor-1254 (PCB-1254) mg/kg 0.031 U 0.033 U 0.048 U 0.037 U Arcolor-1269 (PCB-1262) mg/kg 0.051 U 0.042 U 0.059 U 0.021 U Arcolor-1268 (PCB-1268) mg/kg 0.055 U 0.047 U 0.066 U 0.032 U Cotal PCBs mg/kg 0.055 U 0.047 U 0.066 U 0.032 U Motals Architomony mg/kg 0.29 J 0.11 J 1.2 U 0.99 U Artimony mg/kg 3.8 3.3 3.7 3.3 Barium mg/kg 3.6 0.52 U 0.60 U 0.49 U <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td></tr<>						
Avcolor-1254 (PCB-1254) mg/kg 0.039 U 0.033 U 0.046 U 0.037 U Avcolor-1256 (PCB-1260) mg/kg 0.051 U 0.042 U 0.058 U 0.048 U Avcolor-1262 (PCB-1262) mg/kg 0.058 U 0.047 U 0.068 U 0.058 U Fotal PCBs mg/kg 0.058 U 0.047 U 0.068 U 0.058 U Motals ND ND ND ND ND ND Motals N ND ND <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
Arcolor-1260 (PCB-1260) mg/kg 0.051 U 0.042 U 0.059 U 0.048 U Arcolor-1262 (PCB-1262) mg/kg 0.023 U 0.019 U 0.026 U 0.027 U Arcolor-1268 (PCB-1268) mg/kg 0.056 U 0.047 U 0.066 U 0.053 U Fotal PCBs mg/kg 0.056 U 0.047 U 0.066 U 0.053 U Internation mg/kg 0.09 J 0.11 J 1.2 U 0.99 U Artimony mg/kg 3.8 3.3 3.7 3.3 Barrium mg/kg 3.8 3.3 3.7 3.3 Barrium mg/kg 121 108 155 126 Barryllum mg/kg 0.68 0.52 U 0.60 U 0.49 U Cadmium mg/kg 0.68 0.52 U 0.60 U 0.49 U Cadmium mg/kg 4.0 — 0.99 U — Cabatt mg/kg 4.8 4.2 4.9 4.3 Lopper mg/kg 2.8						
Accolor-1282 (PCB-1262) mg/kg 0.023 U 0.019 U 0.068 U 0.053 U						
Arcolor-1268 (PCB-1268) mg/kg 0.055 U 0.047 U 0.0665 U 0.053 U						
Metals mg/kg 0.29 J 0.11 J 1.2 U 0.99 U Antimony mg/kg 3.8 3.3 3.7 3.3 Sarium mg/kg 121 108 155 126 Beryllium mg/kg 0.68 0.52 U 0.60 U 0.49 U Cadmium mg/kg 0.68 0.52 U 0.60 U 0.49 U Chromium mg/kg 18.3 15.4 18.2 14.9 Chromium VI (hexavalent) mg/kg 4.0 - 0.99 U - Cobalt mg/kg 4.8 4.2 4.9 4.3 Copper mg/kg 4.8 4.2 4.9 4.3 Copper mg/kg 2.0 8 17.0 23.2 2.25.5 Mercury mg/kg 691 668 1010 875 Mercury mg/kg 691 668 1010 875 Mercury mg/kg 1.2 11.3 13.2 11.3 <t< td=""><td></td><td></td><td></td><td>0.047 U</td><td></td><td></td></t<>				0.047 U		
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Arsenic mg/kg 3.8 3.3 3.7 3.3 3.8 and mg/kg 121 108 155 126 aeryllium mg/kg 0.51 U 0.37 U 0.60 U 0.49 U 0.60 mg/kg 0.51 U 0.37 U 0.60 U 0.49 U 0.60 mg/kg 0.68 0.52 U 0.60 U 0.49 U 0.60 mg/kg 18.3 15.4 18.2 11.9 0.60 mg/kg 18.3 15.4 18.2 11.9 0.60 mg/kg 18.3 15.4 18.2 11.9 0.60 mg/kg 4.0 - 0.99 U - 0.60 U 0.49 U 0.60 mg/kg 4.0 - 0.99 U - 0.60 U 0.49 U 0.60 U						
Sanium						
Seryllum						
Cadmium mg/kg 0.88 0.52 U 0.60 U 0.49 U Chronium mg/kg 18.3 15.4 18.2 14.9 Chronium VI (hexavalent) mg/kg 4.0 — 0.99 U — Cabalt mg/kg 4.8 4.2 4.9 4.3 Dopper mg/kg 20.8 17.0 23.2 23.5 Lead mg/kg 38.1 35.5 27.5 20.6 Marganese mg/kg 38.1 35.5 27.5 20.6 Metrcury mg/kg 0.16 J 0.14 J 0.16 J 0.20 J Metroury mg/kg 1.6 J 0.14 J 0.16 J 0.20 J Mickel mg/kg 1.6 J 1.3 J 3.0 2.5 U Silver mg/kg 0.033 U 0.0025 U 0.60 U 0.49 U Valentium mg/kg 13.2 10.9 16.5 13.5 Silver mg/kg 19.2 10.9 16.5 13.5 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Chronium VI (hexavalent) mg/kg 4.0 — 0.99 U — Dobalt mg/kg 4.8 4.2 4.9 4.3 Dopper mg/kg 20.8 17.0 23.2 23.5 Lead mg/kg 38.1 35.5 27.5 20.6 Manganese mg/kg 691 668 1010 875 Mercury mg/kg 0.16 J 0.14 J 0.16 J 0.20 J Mickel mg/kg 1.2.8 11.3 13.2 11.3 Silver mg/kg 1.6 J 1.3.J 3.0 U 2.5 U Silver mg/kg 0.033 U 0.0025 U 0.60 U 0.49 U Paradium mg/kg 13.2 10.9 16.5 13.5 Silver mg/kg 94.9 94.2 92.6 84.3 Simultaneously Extracted Metals (SEM) 2 1.0.9 16.5 13.5 13.5 Simultaneously Extracted Metals (SEM) 2 - -		mg/kg				
Dobalt				15.4		14.9
Dopper				4.2		4.3
Wanganese mg/kg 691 668 1010 875 Webry mercury mg/kg		mg/kg	20.8	17.0	23.2	23.5
Mercury mg/kg 0.16 J 0.14 J 0.16 J 0.20 J		mg/kg				
Methy inercury mg/kg						
Nickel mg/kg 12.8 11.3 13.2 11.3 13.2 11.3 13.2 11.3 13.2 11.3 13.2 11.3 13.2 11.3 13.2 11.3 13.2 11.3 13.2 11.3 13.2 11.3 13.2 13.2 13.3 13.2 13.3 13.2 13.3 13.2 13.3 13.2 13.3			U. 10 J	U. 14 J	U. 10 J	U.ZU J
Silver			12.8	11.3	13.2	11.3
Thallium						
Variadium mg/kg 13.2 10.9 16.5 13.5 Simultaneously Extracted Metals (SEM) 94.9 84.2 92.6 84.3 Simultaneously Extracted Metals (SEM) —						
Marcol M		mg/ka				
Sadmium			94.9			
Dapper						
_ead				-		
				-		
Silver						-
Inc		μmol/g				
General Chemistry μmol/g Sulfide (acid soluble) μmol/g Black carbon mg/kg		μmol/g		-		
Sulfide (acid soluble)	AVS/SEM (4)	none	-	-	-	-
Black carbon mg/kg						
				-	-	
(otal organic carbon (LOC) mg/kg 65800 52100 63200 54500	Black carbon Total organic carbon (TOC)	mg/kg mg/kg	65800	 52100	63200	54500

GHD 058505 (30)

Table 2.8B





Remediation and Redevelopment Program

April 2017

ZIP Code

State

NR 718.12 Sample Results Notification

Purpose

The purpose of this document is to comply with the requirements of Wis. Admin. Code § NR 718.12 (1)(e)(4).

Introduction

This document may be used to comply with the requirements of Wis. Admin. Code § NR 718.12 (1)(e)(4). The rule requires that responsible parties report to the Department of Natural Resources (DNR) analytical results for samples collected to characterize soil that will be managed under a Wis. Admin. Code § NR 718.12 exemption. Analytical results must be reported to the DNR in writing within 10 business days after receiving the sampling results.

Document Instructions

Complete and submit this form, along with laboratory data, to the appropriate DNR project manager. If you do not know who the project manager is, this documentation can be sent to the Environmental Program Associate in the appropriate region. A list of DNR EPAs can be found here: http://dnr.wi.gov/topic/Brownfields/Contact.html.

	erial Is Proposed to be Excavated			
Site Name	FID #	BRRTS #		
Address	City	State	ZIP Code	
Responsible Party Informatio	on			
Responsible Party Company Na	me and/or Contact Person			
Email address	Phone Number	Phone Number (with area code)		
Mailing Address	City	State	ZIP Code	
D				
Property Owner	and /an Oosta at Daman			
Property Owner – Company Nan	ne and/or Contact Person			
Email address	Phone Number	Phone Number (with area code)		
Address	City	State	ZIP Code	
		l		
Sample Collector				
Submitted By – Company Name	and Contact Person			

Address

City

Laboratory Information				
Company Name:	Wisconsin Laboratory Certification Number:			

Attach the analytical package for all sample data. The package should include the sample results, chain of custody, sampling methods, and QA/QC data. Clearly indicate which samples were collected from the material that is proposed to be managed under the Wis. Admin. Code § NR 718.12 exemption.

It is recommended that a table summarizing the sample results, and meets the requirements of Wis. Admin. Code § 716.15(4)(e), be included.

This document is intended solely as guidance and does not include any mandatory requirements except where requirements found in statute or administrative rule are referenced. This guidance does not establish or affect legal rights or obligations and is not finally determinative of any of the issues addressed. This guidance does not create any rights enforceable by any party in litigation with the State of Wisconsin or the Department of Natural Resources. Any regulatory decisions made by the Department of Natural Resources in any manner addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.

The Wisconsin Department of Natural Resources provides equal opportunity in its employment, programs, services, and functions under an Affirmative Action Plan. If you have any questions, please write to Chief, Public Civil Rights, Office of Civil Rights, U.S. Department of the Interior, 1849 C. Street, NW, Washington, D.C. 20240.

This publication is available in alternative format (large print, Braille, etc.) upon request. Please call for more information. Note: If you need technical assistance or more information, call the Accessibility Coordinator at 608-267-7490 / TTY Access via relay - 711



SPECIAL WARRANTY DEED

DOCUMENT NO.

SANDY DISRUD
REGISTER OF DEEDS
ROCK COUNTY, WI
RECORDED ON
01/22/2018 10:28:49AM

REC FEE: 30.00 TRANSFER FEE:28710.00

EXEMPT #:

EXCLUSION CODE: PAGES: 23

THIS SPACE RESERVED FOR RECORDING DATA

NAME AND RETURN ADDRESS

JAINES LLC

1650 Des Peres Road, Suite 303 St. Louis, Missouri 63131

Attn: Thomas Pike, General Counsel

When Recorded Return to: Title Source, Inc. -Commercial Team 662 Woodward Avenue Detroit, MI 48226

TSI#: 63657108

PARCEL IDENTIFICATION NUMBERS:

0401300001, 241 0401300001, 0401100003, 241 0401100003, 0401100409, 241 0401100409, 0401300002, 241 0401300002, 0401300106, 241 0401300106, 0401300200, 241 0401300200, 0412100149, 241 0412100149

THAT GENERAL MOTORS LLC, a Delaware limited liability company corporation ("Grantor"), for and in consideration of the sum of One AND NO/100 DOLLARS (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, effective as of December 21, 2017, has granted, bargained, sold and conveyed, and by these presents does hereby grant, bargain, sell, convey and confirm, unto JAINES LLC, a Missouri limited liability company, whose address is 1650 Des Peres Road., Suite 303, St. Louis, Missouri 63131 Attention: Becky Lydon, COO, the real property located in the County of Rock, State of Wisconsin, and more particularly described on "Exhibit A" attached hereto ("Property").

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF

This is not homestead property.

TO HAVE AND TO HOLD the above-described premises, together with all and singular the rights and appurtenances thereto in anywise belonging, unto the said Grantee, its successors and assigns forever; and Grantor does hereby bind itself, its successors and assigns, to WARRANT AND FOREVER DEFEND, all and singular the said premises unto the said Grantee, its successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof, by, through, or under Grantor, but not otherwise.

This Deed is executed, delivered and accepted subject only to those matters of record set forth on Exhibit B attached hereto.

[Signature Page Follows]

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Executed this the May of December, 2017	· •
	GENERAL MOTORS LLC, a Delaware limited liability company
Execution Recommended Real Estate: By:	By: A Color of Home: Title: Debra Homic Hoge Global Director Real Estate
STATE OF MICHIGAN) ss. COUNTY OF WAYNE)	
Personally came before me this/8 day of Delaware limited liabilithe foregoing instrument and acknowledged the	as the of ty company, to me known to be the person who executed
Notary Public Acting in the County of Wayne, Michigan My commission expires:	KATHLEEN M. RENTENBACH NOTARY PUBLIC, STATE OF MI COUNTY OF WAYNE MY COMMISSION EXPIRES Sep 22, 2021 ACTING IN COUNTY OF Wayne

THIS INSTRUMENT WAS DRAFTED BY:

Heather A. McKee, Esq. Lowe, Fell & Skogg, LLC 1099 18th Street, Suite 2950 Denver, Colorado 80202

EXHIBIT A LEGAL DESCRIPTION

Tax ld Number(s): 0401300001, 241 0401300001, 0401100003, 241 0401100003, 0401100409, 241 0401100409, 0401300002, 241 0401300002, 0401300106, 241 0401300106, 0401300200, 241 0401300200, 0412100149, 241 0412100149

Land situated in the City of Janesville in the County of Rock in the State of WI HAULA WAY CENTER

Parcel 1: The North 10 acres of the East 1/2 of the NW 1/4 of Section 12, T.2N., R.12E.

Parcel 2: A parcel of land containing 2 acres more or less, in the NW 1/4 of the NE 1/4 of Section 12, T.2N., R.12E., which is bounded as follows: Bounded on the East and South by property presently owned by JATCO: bounded on the North by the North line of Section 12, T.2N., R.12E.; bounded on the West by the West line of the East 1/2 of Section 12, T.2N., R.12E.

Parcel 3: A parcel of land in the SW 1/4 of the SE 1/4 of Section 1, T.2N., R.12E., containing 3 acres more or less, and bounded as follows: on the East by the property owned by JATCO which is used as a route to drive cars from the Chevrolet plant to the JATCO parking lot; on the North by the right-of-way of the Chicago & Northwestern Railway; on the West by the West line of the East 1/2 of Section 1, T.2N., R.12E.; and bounded on the South by the South boundary of Section 1, T.2N., R.12E.

Parcel 4: All that part of the East 1/2 of the SW 1/4 of Section 1, T.2N., R.12E, lying South of the railroad tracks and not including those portions thereof subdivided into Second Marquette Park Subdivision.

Parcel 5: A small triangular parcel of land in the West 1/2 of the SW 1/4 of Section 1, T.2N., R.12E., which is bounded on the NW by the Easterly boundary of Second Marquette Park Subdivision as presently platted; and bounded on the East by the East boundary of the West 1/2 of said SW 1/4 of said Section 1; and bounded on the South by the South line of Chartier Street extended to the East.

NOTE: The property owned by JATCO as referred to in the description in Parcels 2 and 3 described herein is the property conveyed to Janesville Auto Transport Company by a Warranty Deed dated February 13, 1962 and recorded June 26, 1962 in the office of the Register of Deeds for Rock County, Wisconsin in Volume 50 of Records on Page 137 as Document No. 647774 and by Quit Claim Deed dated April 9, 1962 and recorded June 26, 1962 in the office of the Register of Deeds for Rock County, Wisconsin in Volume 50 of Records on Page 142 as Document No. 647776.

Parcel A: A parcel of land in the SE 1/4 of Section 1, T.2N., R.12E.; Beginning at a point on the South line of said Section 1, which point is S.88 54'45" E. 331.03 feet from the South 1/4 comer of said Section 1, and running thence N.0 35'46" W. 160.34 feet to a point of curve; thence 139.87 feet along a circular arc to the right to a point on the Southwesterly right-of-way line of the Chicago and on the Southwesterly right-of-way line of the Chicago and Northwestern Railway Company, said arc having a radius of 178.52 feet and a main chord of 136.32 feet, bearing N.28 59'45" E. said arc not being tangent to the first course; thence S.38 33'30" E. along the Southwesterly right-of-way of said railway 371.30 feet to its point of intersection with the Northwesterly line of South Jackson Street; thence S.51 26'30" W. along the Northwesterly line of said South Jackson Street 180.35 feet, more or less, to an angle in said street line; thence N.88 54'45" W. along the Northerly line of Joliet Street, now vacated, 153.67 feet, more or less; thence N.0 35'45" W. 120.05 feet to the place of beginning.

Parcel B: A triangular parcel of land in the NE 1/4 of Section 12, T.2N., R.12E.; bounded on the North by the Southerly line of said Joliet Street, now vacated; on the Easterly side by the Westerly line of said South Jackson Street and on the West by the lands of the grantee, said triangular parcel being specifically described as follows: Commencing at the North 1/4 corner of said Section 12 and running thence 5,88

54'45" E. along the North line of said Section 12, 331.03 feet; thence S.0 35'45" E. 200.08 feet to a point on the Southerly line of said Joliet Street, now vacated, to the place of beginning for this description: Thence 5.88 54'45" E. along the Southerly line of said Joliet Street, now vacated, 118.87 feet, more or less, to a point on the Westerly line of said proposed South Jackson Street; thence S.10 07'30" W. along the Westerly line of said South Jackson Street 641.00 feet, more or less; thence N.0 35'45" W. 633.54 feet, more or less, to the place of beginning.

Parcel C: A parcel of land in the NE 1/4 of Section 12, T. 2N., R.12E.; Beginning at a point on the North-South center Line of said Section 12, which point is S.0 22'45" E. 1358.20 feet from the North 1/4 corner of said Section 12, and running thence 5.88 51'15" E. 256.00 feet to a point on the West line of South Jackson Street, as said South Jackson Street was dedicated by deed North of Kellogg Avenue; thence Southerly along the West line of said South Jackson Street and said West line extended Southerly to its point of intersection with the East-West center line of said Section 12, thence Westerly along the East-West center line of said Section 12, which line is the center of said Kellogg Avenue, 256.00 feet, more or less, the center of said Section 12, thence N.0 22'45" W. along the North-South center line of said Section 12, 1284.54 feet to the place of beginning:

AND

The East 1/2 of the NW 1/4 of Section 12, T.2N., R.12E., of the 4th P.M., excepting the North 10 acres thereof, all in the Town of Rock, Rock County, Wisconsin, now City of Janesville, more particularly described as follows: Beginning at an iron pipe monument at the Southeast corner of the said East 1/2; running thence North along the East line of said East 1/2, 2323.4 feet to an iron pipe monument, 329 feet South of the stone monument at the Northeast corner of said 10 acres; thence West and parallel with the North line of said East 1/2, 1324.6 feet to an iron pipe monument on the West line of said East 1/2 and 329 feet South of the stone monument at the Northwest corner of said East 1/2; thence Southerly along the West line of said East 1/2, 2322.6 feet to an iron pipe monument at the Southwest corner of said East 1/2; thence East along the South line of said East 1/2, 1322.3 feet to the place of beginning; ALSO, those parts of the SW 1/4 of the SE 1/4 of Section 1 and of the West 1/4 of the NE 1/4 of Section 12, T.2N., R.12E., situated in the City of Janesville, Rock County, Wisconsin, described as follows:

1) A parcel of land 6 acres in area described as follows: Beginning at an iron pipe monument on the North and South quarter line of said Section 12, 330 feet South of the North 1/4 corner of said section; running thence South along the said quarter line 1029 feet to an iron pipe monument; thence S.88 31' E. 256 feet to an iron pipe monument on the West line of the former interurban right-of-way; thence N.0 13' W. 1029 feet to an iron pipe monument; thence N.88 31' W. 251.9 feet to the place of beginning;

2) A strip of land 80 feet wide as described as follows: Beginning at an iron pipe monument on the North line of said Section 12, 331 feet East of the North quarter corner of said section; running thence S.0 13' E. along the East line of said 80 foot strip, 1359 feet to an iron pipe monument; thence S.88.31' W. 80 feet to the iron pipe monument at the Southeast corner of the above described 6 acres, thence N.0 13' E. along the East line of said 6 acres, extended 1359 feet to an iron pipe monument on the North line of said Section 12; thence continuing N.0 13' W. into the SW 1/4 of SE 1/4 of said Section 1, 160 feet to an iron pipe monument; thence Northeasterly on a curve to the right with a 233 foot radius, 197 feet to an iron pipe monument on the Southwesterly line of the Chicago Northwestern Railway; thence S.41 37' E. along the said railroad right-of-way line, 80 feet to an iron pipe monument; thence Southwesterly on a curve with a 152 foot radius, 129 feet to an iron pipe monument; thence Southwesterly on a curve with a 152 foot radius, 129 feet to an iron pipe monument; thence Southwesterly on a curve with a 152 foot radius, 129 feet to an iron pipe monument; thence Southwesterly on a curve with a 152 foot radius, 129 feet to an iron pipe monument; thence Southwesterly on a curve

AND

A quadrilateral tract of land in the NE 1/4 of Section 12, T.2N., R.12E. of the 4th P.M., in the City of Janesville, Rock County, Wisconsin, to wit: Commencing at the North 1/4 corner of said Section and running thence 5.88 54'45" E. along the North line of said Section 251.00 feet to a point; thence 5.0 35'45"

E. 120.05 feet to a point for the place of beginning of this description; thence S.88 54'45" E. and parallel to the North line of said section 213.97 feet to a point; thence S.10 07'30" W. 81.00 feet to a point; thence N.88 54'45" W. and parallel to the North line of said section 198.90 feet to a point; thence N.0 35'45" W. 80.03 feet to the place of beginning.

EXCEPTING THEREFROM the following parcel from the entire description set out above:

That part of the NE 1/4 of Section 12, and the SE 1/4 of Section 1, Township 2 North, Range 12 East, City of Janesville, Rock County, Wisconsin, described as follows: Commencing at the North 1/4 corner of said Section 12; thence 5.88°55'59" East, 623.00 feet along the North line of said Section 12 to the Southwest right-of-way of the Union Pacific Railroad and the point of beginning; thence South 38°28'42" East 6.40 feet along said right-of-way to the Northwest right-of-way of South Jackson Street; thence South 51° 33'18" West, 209.53 feet along said right-of-way; thence North 39°58'21" East, 124.51 feet; thence North 51°33'18" East 87.55 feet to the Southwest right-of-way of said railroad; thence South 38°26'42" East, 18.60 feet along said right-of-way to the point of beginning.

FURTHER EXCEPTING:

Part of the SE 1/4 of the NW 1/4 and the NW 1/4 of the NE 1/4 and the SW 1/4 of the NE 1/4 of Section 12, T.2N., R.12E., of the 4th P.M., City of Janesville, Rock County, Wisconsin, described as follows: Commencing at the West 1/4 corner of said Section 12; thence N 88°56'14" E. along the East-West centerline of said Section, 2643.70 feet to the center of said Section; thence N.0°21'36" W. along the North-South centerline of said Section 33.01 feet to the North line of Kellogg Avenue, being at the place of beginning for the land to be herein described: thence N.88°55'27" W. along the North line, 17.90 feet; thence N.0°25'29" W. 1191.14 feet; thence N.69'38'34" E. 107.34 feet; thence N.0°31'37" W. 376.74 feet; thence N.89°46'38" E. 136.60 feet; thence S.2°37'30" W. 245.07 feet; thence S.0°25'18" E. 479.46 feet; thence N.89°36'14" E. 50.00 feet to the West line of South Jackson Street; thence S.0°25'28" E. along said West line, 886.66 feet to said North line; thence N.88°59'18" W, along said North line, 255.97 feet to the place of beginning.

The above description is more fully described as follows:

Part of the SW 1/4 of the SE 1/4 and part of the NW 1/4 of the SE 1/4 and all of the NE 1/4 of the NW 1/4 and all of the SE 1/4 of the NW 1/4, of Section 12, and part of the SW 1/4 of the SW 1/4 and part of the SE 1/4 of the SW 1/4 and part of the SW 1/4 of the SE 1/4 of Section 1, all in T.2N., R.12E., of the 4th P.M., City of Janesville, Rock County, Wisconsin, described as follows:

Commencing at the found aluminum monument marking the North quarter corner of Section 12. aforesaid; thence North 88°59'24" West 1323.82 feet along the North line of Section 12 aforesaid to the found concrete monument marking the Northwest comer of the Northeast quarter of the Northwest quarter of Section 12 aforesaid being also the place of beginning; thence North 0°51'51" West 880.86 feet along the West line of the Southeast quarter of the Southwest quarter of Section 1 aforesaid, to a found rebar, said quarter-quarter line being also the East line of Lafayette Park First Addition; thence North 49° 34'34" West 87.53 feet along said Subdivision to a found iron pipe at the Southern end of Chartier Street as platted in Second Marquette Park; thence North 40°04'38" East 190.24 feet along said Subdivision to a found iron pipe; thence South 49°55'48" East 202.41 feet along said Subdivision to a set rebar; thence North 40°10′15" East 476.43 feet along said Subdivision to the Southerly right-of-way of the Union Pacific Railroad marked with a set rebar; thence South 52°38'11" East 47.67 feet along said railroad to a set rebar; thence South 53°19'06" East 534.01 feet along said railroad to a curve to the right marked with a rebar set this survey; thence along said railroad curve having a radius of 4162.86 feet and a chord that bears South 46°42'41" East 957.98 feet to a found pipe; thence South 38°43'33" East 426.16 feet along said railroad to the Northerly and Westerly line of South Jackson Street marked with a set rebar; thence along South Jackson Street as follows: South 51"33'19" West 87.46 feet to a set rebar: thence South 39°58'22" West 101.89 feet to a set rebar, thence North 88"55'47" West 11.39 feet to a set rebar, thence South 10°08'49"

West 117.82 feet to a set rebar; thence South 10°08'54" West 1028.23 feet to a set rebar, thence South 0° 37'52" East 106.23 feet to a set drill hole in concrete; thence South 0°25'21" East 373.58 feet to a found rebar along South Jackson Street aforesaid; thence South 89°36'14" West 50.00 feet to a found rebar; thence North 00°25'28" West 479.46 feet to a set rebar; thence North 02°37'30" East 245.07 feet to a set rebar; thence South 89°46'38" West 136.60 feet to a found MAG nail; thence South 00°31'37" East 376.74 feet to a found rebar; thence South 69°38'34" West 107.34 feet to a found rebar; thence South 00°25'29" East 1191.14 feet to a found rebar in the North line of Kellogg Avenue; thence South 88°55'27" East 17.90 feet along said North line of Kellogg Avenue to a found rebar; thence South 88°59'18" East 255.97 feet along the said North line of Kellogg Avenue to a found rebar in the West line of South Jackson Street aforesaid: thence South 00°22'18" East 33.02 feet to the South line of the Northeast Quarter of Section 12 aforesaid marked with a set railroad spike; thence North 88°59'18" West 256.00 feet along said South line to the center of Section 12, aforesaid marked with a found MAG nail; thence North 88°58'14" West 1322.01 feet along the South line of the Northwest quarter of Section 12 aforesaid to the West line of the Southeast quarter of the Northwest quarter of Section 12 aforesaid marked with a set railroad spike; thence North 0°26'39" West 2652.06 feet along said West line to the place of beginning.

MAIN PARCEL

Parcel 1:

(Warranty Deed recorded October 19, 1918 as Document No. 280465)

Lots Twelve (12), Thirteen (13), Fourteen (14) and Fifteen (15) of Conger's Addition, in the City of Janesville, County of Rock and State of Wisconsin.

Also all that part of Lot three hundred thirty (330) of Spring Brook Addition to the City of Janesville, Wis., in the City of Janesville, County of Rock and State of Wisconsin, lying Northerly and Westerly of the right-of-way of the branch or switch track of the Chicago & Northwestern Railway Company.

Lots 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, in Spring Brook Addition to the City of Janesville;

Also that part of Lot 329 in Spring Brook Addition to said City, acquired by Elsie B. Davis by deed from Alfred Bahr, dated May 18, 1918, and recorded in the office of the Register of Deeds for Rock County, Wisconsin, on the 6th day of June, 1918 at 2:30 o'clock P.M., in Vol. 203 of Deeds on Page 313, and in said deed described as the West 11 rods of that part of Lot 329 that lies North of the switch track right-of-way of the Chicago & Northwestern Railway Company.

Also all that part of Lot Three Hundred Twenty-nine (329) of Spring Brook Addition to the City of Janesville, acquired by Elsie B. Davis by deed from George O. Sutherland and wife, dated May 28, 1918, and recorded in the office of the Register of Deeds for Rock County, Wisconsin, on the 6th day of June, 1918 at 2:30 P.M., in Vol. 203 of Deeds on Page 288, and in said deed described as all that part of Lot Three Hundred Twenty-nine (329) of Spring Brook Addition to the City of Janesville, which lies North of the right-of-way of the side or switch track of the Chicago & Northwestern Railway Company running through said lot; except a strip Eleven (11) rods wide off the West side of said lot and a strip Twenty-four (24) rods wide off the East side of said lot; and excepting and reserving from this conveyance that part of said Lot Three Hundred Twenty-nine (329) conveyed by Elsie B. Davis to The Caloric Company by deed dated the 19th day of August, 1918, and recorded in the office of the Register of Deeds for Rock County, Wisconsin, on the 5th day of October, 1918 at 10:55 o'clock A.M., in Vol. 203 of Deeds on Page 635, and which land hereby excepted is described in said last mentioned deed as follows:

"That part of Lot Three Hundred and Twenty-nine (329) of Spring Brook Addition to Janesville, Wisconsin, bounded as follows:

(The North line of Lot 329 is herein mentioned as Line No. 1. A line Twenty-four (24) rods West of and parallel with the East line of said Lot is herein mentioned as Line No. 2. The North line of the right-of-way of the Chicago and Northwestern Railway Company crossing said lot is herein mentioned as Line No. 3.)"

"Commencing at the point of intersection of Line No. 1 and 2; running thence South on Line No. 2 to a point Sixty-five (65) feet North of Line No. 3; thence West Forty-five degrees North to a point Twenty-five (25) feet West of Line No. 2; thence North on a line Twenty-five feet West of and parallel with Line No. 2 to Line No. 1; thence East on Line No. 1 Twenty-five (25) feet to the place of beginning."

Also hereby conveying that part of Lot Three Hundred Twenty-nine (329) in Spring Brook Addition to said City of Janesville, acquired by Elsie B. Davis, by deed from George O. Sutherland and wife and The Caloric Company, which deed is dated the 19th day of August, 1918, and recorded in the office of the Register of Deeds for Rock County, Wisconsin, on the 20th day of August, 1918 at 4:50 o'clock P.M., in Vol. 203 of Deeds on Page 516, and which said part of said lot is described in said last mentioned deed as follows:

"That part of Lot Three Hundred Twenty-Nine (329) of Spring Brook Addition to Janesville, Wisconsin, and bounded as follows:

(Line No. 1 herein mentioned is a line Twenty-four (24) rods West of and parallel with the East line of said Lot Three Hundred Twenty-nine (329). Line No. 2 herein mentioned is the Northerly line of the right-of-way of the Chicago and Northwestern Railway Company across said Lot).

"Commencing at a point on Line No. 1, Sixty-five (65) feet North of the point of intersection of lines No. 1 and No. 2; thence East at right angles to line No. 1. One Hundred (100) feet; thence East Forty-five (45) degrees South to Line No. 2; thence Westerly along line No. 2 to the point of intersection of lines No. 1 and No. 2; thence North along said line No. 1, Sixty-five (65) feet to the place of beginning."

Also hereby conveying the lands acquired by Elsie B. Davis from Lawrence J. Cronin and wife, which deed is dated the 7th day of June, 1918, and was recorded in the office of the Register of Deeds for Rock County, Wisconsin, on the 10th day of June, 1918 at 3:10 o'clock P.M., in Vol. 203 of Deeds on Page 334, and which land are described in said last mentioned deed as follows:

"That part of the West half of the Southeast Quarter of Section One (1), Township Two (2) North, Range Twelve (12) East, Fourth (4th) P.M., in the City of Janesville, Rock County, Wisconsin, bounded by the following described lines: Commencing at a point in the East and West quarter line of Section One (1), Twelve (12) chains East of the center of said Section; thence running West on said Quarter line, Eleven and Twenty One-hundredths (11.20) chains; thence South parallel with the North and South Quarter line Eight (8) chains; thence East parallel with the East and West Quarter line, Eleven and Twenty One-hundredths (11.20) chains; thence North, Eight (8) chains to the place of beginning.

"Also part of Lot Four (4) of Section One (1), Township Two (2) North, Range Twelve (12) East, Fourth (4th) P.M., bounded by the following described lines: Beginning at a point in the East and West Quarter line of said Section, Ninety-five and Five-tenths (95.5) links East of the center of said Section; running thence East on said line Eleven and Twenty One-hundredths (11.20) chains; thence North about Eighty and Seven One-hundredths (80.07) feet to the Southeast corner of Lot Fifteen (15) of Conger's Addition in said City of Janesville; thence West about Two Hundred Forty-nine and Sixty-seven One-hundredths (249.67) feet to the Southwest corner of the lands heretofore owned by Bridget Viney; running thence North about Thirty-seven and Eleven One-hundredths (37.11) feet to the Southeast corner of the land heretofore owned by Michael Quirk; thence West to a point about Sixteen and One-half (16.1/2) links East of the East margin of Alphonso Place; thence South about one Hundred Seventeen and Eighteen One-hundredths (117.18) feet to the place of beginning;

"Also all lands owned by the grantors in said Section lying South of Eastern Avenue; intending to convey

hereby a tract of land containing Eleven (11) acres, more or less, owned by the grantors, bounded on the North by the land known as the Michael Quirk land, the Bridget Viney land, Viney Street, and Lot Fifteen (15) of Conger's Addition to said City; on the East and South by platted lots of the Spring Brook Addition to the said City of Janesville; on the West by the lands heretofore owned by James J. Hall and Albert R. Bingham lying East of Alphonso Place."

Also hereby conveying those lands acquired by Elsie B. Davis from Bridget Viney, by deed dated May 22, 1918, and recorded in the office of the Register of Deeds for Rock County, Wisconsin, on the 6th day of June, 1918 at 2:30 o'clock P.M., in Vol. 203 of Deeds on Page 280, and which lands are described in said last mentioned deed as follows:

"That part of the following described real estate lying South of the right-of-way of the Chicago, Milwaukee & St. Paul Railway:

"Part of Lot Four (4), in Section number One (1) in Town Two (2) North, Range 12 East, 4th P.M., commencing at a point in center line of Eastern Ave., which is 8.58 1/4 chains East of the North and South Quarter Section line; running thence East Seventy-five (75) feet; thence South 14.80 chains; thence East Seventy-five (75) feet to Michael Quirk's East line; thence North along said line to the place of beginning."

Also hereby conveying those lands acquired by Elsie B. Davis from Bridget Viney, by deed dated September 13, 1918, and recorded in the office of the Register of Deeds for Rock County, Wisconsin, on the 13th day of September, 1918 at 2:50 o'clock P.M., in Vol. 203 of Deeds on Page 564, and which said lands are described in said last mentioned deed as follows:

"Lands located in fractional Lot Four (4), Section One (1), Town Two (2), Range Twelve 12 East, described as follows, to wit:

"Commencing at the point of intersection of the Southerly line of Eastern Avenue and the Westerly line of Viney Street as now platted; thence West on the Southerly line of Eastern Avenue, Forty-nine and one-half (49 1/2) feet, more or less, to the West line of the property now owned by Bridget Viney; thence South on a line parallel with the Western margin of Viney Street to the right-of-way of the Chicago, Milwaukee & St. Paul Railway Company; thence Easterly along the Northerly margin of the right-of-way of said Railway Company to the Western margin of Viney Street; thence North along the Westerly margin of Viney Street to the place of beginning; intending to and herby conveying all of the lands owned by the grantor adjacent to Viney Street."

Also hereby conveying all those lands acquired by Elsie B. Davis from Edward J. Quirk and wife, James E. Quirk and wife, Mary E. Buob and Thomas Quirk, by deed dated May 20, 1918, and recorded in the office of the Register of Deeds for Rock County, Wisconsin, on the 6th day of June, 1918 at 2:30 o'clock P.M., in Vol. 203 of Deeds on Page 278, and which lands are described in said last mentioned deed as follows:

"Lands located in fractional Lot Four (4), Section One (1) in the Town of Rock, Rock County, and State of Wisconsin, and described as follows, to wit:

"Commencing at a point in the center of the highway running from the Janesville & Beloit Road to Second Street in Montery Addition to Janesville, 8.58 3/4 chains East of the North and South Quarter line of said Section; running thence West along the center of said highway, 7.78 3/4 chains; thence South and parallel to said Quarter line to a point 1.78-2/3 chains North of the East and West quarter line of said Section; thence East and parallel to said last mentioned Quarter line, 7.78 3/4 chains and thence North to the place of beginning, containing 12 acres. Excepting therefrom the land deeded to the Chicago, Milwaukee & St. Paul R.R. Co., for a right-of-way.

"Also the following described land, to wit: Commencing in the center of the highway running East and West through lot number Four (4), formerly a part of Section One (1), Town 2 North, Range 12 East, at a

point Forty-five and one-third (45-1/3) rods from the East line of said Lot No. Four (4); and running thence due North, Thirty rods; thence Westerly along the margin of the river to the center of a Ravine, being the East line of the land heretofore deeded by Spencer Dayton and wife to one C. O'Neil; thence Southerly along the center of said Ravine and on the East line of said O'Neil's land to the center of aforementioned highway; thence East along the center of said highway to the place of beginning, containing three acres of land, more or less."

Excepting and reserving from said last described lands the lands conveyed by Elsie B. Davis to Bridget Viney, by deed from Bridget Viney, by deed dated the 13th day of September, 1918, and recorded in the office of the Register of Deeds for Rock County, Wisconsin, on the 13th day of September, 1918 at 2:05 o'clock P.M., in Vol. 203 of Deeds on Page 565, and which excepted lands are described in said last mentioned deed as follows:

"Lands located in fractional Lot Four (4), Section One (1), Town Two (2) North, Range 12 (12) East, bounded as follows: Commencing at a point in the Northerly margin of Eastern Avenue Forty-five and one-third (45 1/3) rods from the East line of said Lot Four (4); running thence North Four Hundred Sixty-two (462) feet, more or less, to the North line of property now owned by the grantor; thence West on a line parallel with the Northerly line of Eastern Avenue, Seventy-five (75) feet; thence South Four Hundred Sixty-two (462) feet, more or less, to the Northerly margin of Eastern Avenue; thence East along the Easterly margin of Eastern Avenue, Seventy-five (75) feet to the place of beginning; intending to and hereby conveying a strip of land Seventy-five (75) feet wide fronting on Eastern Avenue and Four Hundred Sixty-two (462) feet deep, more or less, to the North of Eastern Avenue, and being a strip of land Seventy-five (75) feet wide West of and adjacent to lands now owned by Lawrence Cronin to the North line of the said property as owned by the grantor herein."

And excepting the lands conveyed by Elsie B. Davis to Eliza Willhelmy, Cora M. Willhelmy, Levi J. Willhelmy, Ines Hoover and Mary C. Main, by deed dated the 13th day of September, 1918 and recorded in the office of the Register of Deeds for Rock County, Wisconsin, on the 20th day of September, 1918 at 4:20 o'clock P.M., in Vol. 203 of Deeds on Page 591, and which lands hereby excepted are described in said last mentioned deed as follows:

A piece of land Four (4) rods wide East and West and Twelve (12) rods deep north and south, located in Fractional Lot Four (4), Section One (1), Town Two (2), Range Twelve (12) East, described as a piece of land Four (4) rods wide fronting on Eastern Avenue and Twelve (12) rods deep west of and adjacent to the lands conveyed by the granter herein to Bridget Viney, by deed dated September 13th, 1918, said lands hereby conveyed are bounded by the following described lines, to wit: Commencing at a point in the Northerly margin of Eastern Avenue, Seventy-five (75) feet west of a point Forty-five and one-third (45-1/3) rods from the West line of said Lot four (4); running thence North along the line of the lands conveyed by the grantor herein to Bridget Viney by said last mentioned deed Twelve (12) rods; thence West on a line parallel with the Northern Margin of Eastern Avenue, Four (4) rods; thence South Twelve (12) rods to the North Margin of Eastern Avenue; thence East Four (4) rods to the place of beginning."

Also hereby conveying the lands acquired by Elsie B. Davis by deed from James J. Hall and Albert E. Bingham and his wife, dated May 18, 1918, and recorded in the office of the Register of Deeds for Rock County, Wisconsin, on the 6th day of June, 1918 at 2:30 o'clock P.M., in Vol. 203 of Deeds on Page 279, and which lands are described in said last mentioned deed as follows:

"A strip of land beginning at the Northwest comer of Lot number One Hundred and thirty-six (136) in Spring Brook Addition to Janesville, extending North along the East line of Alphonso Place to the South line of Eastern Avenue; thence East, Sixteen and one-half (16 1/2) links; thence South along the Westerly line of lands of M. Quirk and L Cronin to the North lines of Spring Brook Lot numbered One Hundred and thirty-six (136); thence West Sixteen and one-half (16 1/2) links to the point of beginning."

Also hereby conveying the lands acquired by Elsie B. Davis by deed from Sarah Matilda Baily, dated the

6th day of May, 1918, and recorded in the office of the Register of Deeds for Rock County, Wisconsin, on the 21st day of June, 1918 at 10:37 o'clock A.M., in Vol. 203 of Deeds on Page 368, and which said lands are described in said last mentioned deed as follows:

"All that part of Section One (1), Township Two (2) North, of Range Twelve (12) East, described as follows:

"Commencing at a point in the center of the highway known as Eastern Avenue running East and West through said Section One (1) at a point where the North and South center lines of said Section One (1) intersects said center line of said highway; thence running South on said center line of Section One (1) to the right-of-way of the Chicago & Northwestern Railway Company; thence Northwesterly along the said right-of-way to a point three (3) chains and Ninety-eight (98) links West of said center line; thence North and parallel to said center line and three (3) chains and Ninety-eight (98) links distant therefrom to the center of said highway; thence East along the center of said highway, Three (3) chains and Ninety-eight (98) links to a place of beginning, except that part thereof containing one-fifth (1/5) of an acre, described in a deed executed by the grantor to Edwin Manz, which deed is dated March 22, 1913, and recorded in the office of the Register of Deeds in Vol. 189 of Deeds on Page 108, and also except the right-of-way of the Chicago, Milwaukee & St. Paul Railway Company. Said lands containing Sixteen and Forty-eight one-hundredths (16.48) acres, less right-of-way of said Chicago, Milwaukee & St. Paul Railway Company.

"Also all that certain parcel of land described in a deed executed by Albert W. Bailey to Nathan P. Bailey, et. al., dated October 31, 1884, and recorded in the office of the Register of Deeds in Vol. 110 of Deeds on Page 33, which said land is described in said deed as being Twenty-five (25) acres of land off the East side of the following described piece of land lying and being in the Southwest Quarter (SW 1/4) and the Northwest Quarter (NW 1/4) of Section One (1), Township Two (2) North, of Range Twelve (12) East, bounded on the North by Eastern Avenue; on the East by land owned by the grantor and above described; on the Southerly side by the right-of-way of the Chicago & Northwestern Railway Company; and on the West by land owned by Miltimore; said land being a strip of land of uniform width extending from Eastern Avenue to the right-of-way of the Chicago & Northwestern Railway Company, except the right-of-way of the Chicago, Milwaukee & St. Paul Railway Company. Said last described lands containing Twenty-five (25) acres, less that conveyed to the Chicago, Milwaukee & St. Paul Railway Company as a right-of-way. Intending and conveying hereby all lands owned by said first party situate in said Section One (1) in said City of Janesville."

Also hereby conveying the lands acquired by Elsie B. Davis by deed from Albert W. Bailey and wife, dated the 7th day of May, 1918, and recorded in the office of the Register of Deeds for Rock County, Wisconsin, on the 21st day of June, 1918 at 10:37 o'clock A.M., in Vol. 203 of Deeds on Page 369, which said lands are described in said last mentioned deed as follows:

"All that part of Section One (1), Township Two (2) North, Range Twelve (12) East and described as follows, to wit: Commencing at a point in the center of the highway known as Eastern Avenue, running East and West through said Section One (1) at a point Nine and Four Hundred Sixty-five One-thousandths (9.465) chains East of the West line of Lot Five (5) in said Section One (1); and running thence South and parallel to said West line of said Lot Five (5) and continuation thereof; Thirty-five and Eight Hundred and Eleven One-thousandths (35.811) chains to the Northerly line of the right-of-way of the Chicago & Northwestern Railway Company; thence Northwesterly along said line of said right-of-way to the West line of the East half (E 1/2) of the Southwest Quarter (SW 1/4) of said Section One (1); thence North along said line and the West line of said Lot Five (5) to the center line of Eastern Avenue; thence East to place of beginning, being the same premises described in a deed executed by Nathan P. Bailey, et. al., to the grantor herein, dated October 31, 1884, and recorded in Volume 110 of Deeds, on Page 32; except therefrom Five Hundred Twenty-seven one-thousandths (.527) acres of land described in a deed executed by the grantor herein to Emil Kath, recorded in Volume 173 of Deeds, on Page 523. Also except the right-of-way of the Chicago, Milwaukee & St. Paul Railway Company. Meaning and intending to describe and convey herein all lands and premises owned by the grantor and situated in said Section One (1).

"Also all those portions of Lots Twenty-one (21) and Twenty-two (22), in Miltimore's New Addition to the City of Janesville, lying Southerly of a line drawn across said lots parallel to and Fifty (50) feet distant measured Southerly at right angles from the center line of the Janesville & Southeastern Railway Company as now located over and across said Lots, subject to the reservations contained in a deed dated August 15, 1900, executed by the Janesville & Southeastern Railway Company to the grantor herein and recorded in Volume 151 of Deed, on Page 528."

EXCEPTING FROM SAID PARCEL 1 THE FOLLOWING DESCRIBED FOUR PARCELS:

- 1) A parcel of land located in the SE 1/4 and the SW 1/4 of Section 1, T.2N., R.12E, City of Janesville, Rock County, Wisconsin, to-wit: Commencing at the Northwest corner of Lot 21, Miltimore's New Addition, City of Janesville, Rock County, Wisconsin; thence S 01°07'00" E 39.66 feet; thence S 54°57'48" E 163.73 feet; thence S 01°12'34" E. 917.40 feet; thence S 00°51 '49" E. 737.32 feet; thence South 52°23'21" E. 865.50 feet to the point of beginning; thence N 37°36'39" E. 63.73 feet; thence S outh 52°35'03" E. 271.75 feet; thence N 37°24'57" E. 15.35 feet; thence S 52°23'21" E. 280.64 feet to a point of curve; thence Southeasterly on a curve to the left which has a radius of 448.54 feet and a chord which bears S 69°29'51" E. 263.90 feet; thence S 86°36'21" E., 411.06 feet; thence S 79°05'51" E. 209.90 feet; thence S 45°55'33" E. 17.00 feet; thence S 83°33'23" W. 176.17 feet; thence S 83°42'23" W. 329.18 feet to a point of curve; thence Northwesterly on a curve to the right which has a radius of 446.00 feet and a chord which bears N 82° 31'30" W. 212.32 feet to a point of compound curve; thence Northwesterly on a curve to the right which has a radius of 588.53 feet and a chord which bears N 60°34'16" W. 167.52 feet; thence N 52°23'21" W. 635.64 feet to the point of beginning.
- 2) Beginning at the point of intersection of the West right-of-way line of Industrial Avenue with the South right-of-way line of West Delavan Drive (formerly Eastern Avenue); thence S 0°55'45" E. along the West right-of-way line of Industrial Avenue 8.00 feet; thence N 86°45'15" W 180.41 feet to the South right-of-way line of West Delavan Drive; thence S 89°17'45" E. along said right-of-way line 180.00 feet to the place of beginning.
- 3) All that part of Section 1, T.2N., R.12E., described as follows: Commencing at a point on the Southerly line of the highway known as Eastern Avenue, running East and West through said Section 1, at a point where the Northerly right-of-way line of the Chicago, Milwaukee & St. Paul Railway Company intersects said South line of Eastern Avenue; thence East along said South line about 455.36 feet to the West line of a .527 acre tract conveyed by Elsie B. Davis to Emil Kath, recorded in the Register of Deeds office for Rock County, Wisconsin, in Vol. 173 of Deeds page 523; thence South along said West line about 179.33 feet to the said Northerly right-of-way line of said Railway Company; thence Northwesterly along said Northerly right-of-way line about 495.05 feet to the point of beginning together with all right, title and interest of the grantor in and to that portion of the South 1/2 of said Eastern Avenue lying adjacent to the premises hereby granted.
- 4) All that part of the East 1/2 of the SW 1/4 of Section 1, T.2N., R.12E., described as follows: Commencing at a point in the West line of said East 1/2 of the SW 1/4 44 feet Northeasterly from the center line of the original main track of the Wisconsin Division of the Chicago and Northwestern Railway Company, measured at right angles thereto; thence Southeasterly parallel with said Railway center line 665.1 feet; thence at right angles Northeasterly 30 feet; Southeasterly parallel with said Railway center line and distance 74 feet Northeasterly therefrom 627.5 feet thence Southeasterly 48.1 feet to a point 84.25 feet Northeasterly from said Railway center line measured at right angles thereto; thence Northwesterly in a straight line 1338 feet more or less to the place of beginning.

Parcel 2: (Quit Claim Deed recorded November 9, 1918 in Volume 201 of Deeds, Page 635)

All that part of Fractional Lot Four (4), Section One (1), Township Two (2) North, Range Twelve (12) East, in the City of Janesville, County of Rock and State of Wisconsin, described as follows, to-wit:

Commencing at the point of intersection of the Southerly line of Eastern Avenue and the Westerly line of Viney Street, as now platted thence West on the Southerly line of Eastern Avenue, Forty-nine and one half (49 1/2) feet, more or less, to the West line of the property formerly owned by Bridget Viney; thence South on a line parallel with the Western margin of Viney Street, about Fourteen and eighty-hundredths (14.80) chains to lands formerly owned by Lawrence Cronin; thence Easterly along said Cronin's Land, forty-nine and one-half (49 1/2) feet, more or less, to the Western margin of Viney Street; thence North along the Westerly margin of Viney Street to the place of beginning.

Parcel 3: (Warranty Deed recorded September 28, 1918 in Volume 203 of Deeds, Page 616 as Document Number 280371)

Lots Three (3), Four (4), Five (5), Six (6), Seven (7) and Eight (8) of Conger's Addition, in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 4: (Warranty Deed recorded October 17, 1918 in Volume 204 of Deeds, Page 20 as Document Number 280560)

Lot Thirty-two (32), Miltimore's 2nd New Addition (sometimes described as Miltimore's Second New Addition), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 5: (Quit Claim Deed recorded in Volume 210 of Deeds, Page 45 as Document Number 280917)

Lot Nine (9) of Conger's Addition, in the City if Janesville, County of Rock and State of Wisconsin.

Parcel 6: (Quit Claim Deed recorded in Volume 225 of Deeds, Page 256 as Document Number 297504)

All that part of the Southwest quarter of Section One (1) in Township two (2) North, Range Twelve (12) East, described as follows; to-wit:

Commencing at a point in the East line of said Southwest quarter of Section One (1), which point is one hundred and fifty-five (155) feet North of a point in said East line forty-four (44) feet Northeasterly from the center line of the original main track of the Wisconsin Division of the Chicago and North Western Railway Company, measured at right angles thereto; thence Northwesterly a distance of three hundred and one and nine-tenths (301.9) feet to a point eighty-four and twenty-five one-hundredths (84.25) feet Northeasterly from said Railway center line measured at right angles thereto; thence Southeasterly at an angle of thirteen degrees and forty-seven minutes (13°47') with the last described course one hundred thirty-four and eight-tenths (134.8) feet; thence Southeasterly on a curved line convex to the South and having a radius of Six Hundred forty-eight and seventy-nine one hundredths (648.79) feet a distance of One hundred ninety-six (196) feet to said East line of the Southwest quarter; thence North along said East line fifty-four and four-tenths (54.4) feet more or less to the place of beginning, containing fourteen one-hundredths (.14) of an acre, more or less.

ALSO, all that part of lot three hundred twenty-nine (329) in Spring Brook Addition to Janesville, described as follows:

Commencing at a point in the Northerly right-of-way line of the Janesville Belt Line of the Chicago and North Western Railway Company, which line is sixty (60) feet Northerly from and parallel with the center line of the main track of said Belt Line two hundred thirteen and eighty-six one-hundredths (213.86) feet Easterly from the West line of the Southeast quarter of Section One (1) in Township Two (2) North, Range Twelve (12) East, measured along said right-of-way line; thence Easterly along the right-of-way line three hundred twenty-nine and twenty-six one-hundredths (329.26) feet; thence Southerly nineteen and seventy-four one hundredths (19.74) feet to a point three hundred twenty-seven and ninety one-hundredths (327.90) feet Easterly from the place of beginning; thence Westerly three hundred twenty-

seven and ninety one-hundredths (327.90) feet to the place of beginning.

The following described premises, also situated in said City of Janesville, Wisconsin, to-wit:

All that part of the East half of the Southwest quarter of Section One (1) in Township Two (2) North, Range Twelve (12) East described as follows:

Commencing at a point in the West line of said East half of the Southwest quarter forty-four (44) feet Northeasterly from the center line of the original main track of the Wisconsin Division of the Chicago and North Western Railway Company, measured at right angles thereto; thence Southeasterly parallel with said Railway center line six hundred sixty-five and one-tenth (665.1) feet; thence at right angles North-Easterly thirty (30) feet; thence Southeasterly parallel with said Railway center line and distant seventy-four (74) feet Northeasterly therefrom six hundred twenty-seven and five tenths (627.5) feet; thence Southeasterly forty-eight and one-tenth (48.1) feet to a point eighty-four and twenty-five one hundredths (84.25) feet northeasterly from said Railway center line measured at right angles thereto; thence Northwesterly in a straight line thirteen hundred and thirty-eight (1338) feet more or less to the place of beginning.

Parcel 7: (Warranty Deed recorded June 28, 1966 in Volume 214 of Records, Page 141 as Document Number 705134).

Lot Twenty (20) of Motor Subd. (sometimes described as Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 8: (Warranty Deed recorded June 29, 1966 in Volume 214 of Records, Page 291 as Document Number 705219).

Lot Twenty-one (21) of Motor Subd. (sometimes described as Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 9: (Warranty Deed recorded September 21, 1966 in Volume 224 of Records, Page 214 as Document Number 708665).

Lots Twenty-four (24) and Twenty-five (25) of Motor Subd. (sometimes described as Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 10: (Warranty Deed recorded September 21, 1966 in Volume 224 of Records, Page 218 as Document Number 708666).

The South 13 feet of Lot Fourteen (14) and the North 44 feet of Lot Fifteen (15) of Motor Subd. (sometimes described as Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 11: (Warranty Deed recorded September 22, 1966 in Volume 224 of Records, Page 329 as Document Number 708723).

Lot Nineteen (19) of Motor Subd. (sometimes described as Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 12: (Warranty Deed recorded December 22, 1966, in Volume 232 of Records, Page 590 as Document Number 711611).

Lots Twenty-two (22) and Twenty-three (23) of Motor Subd. (sometimes described as Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 13: (Warranty Deed recorded February 28, 1967 in Volume 238 of Records, Page 176 as Document Number 713470).

Lots Twenty-six (26), Twenty-seven (27) and Twenty-eight (28) of Motor Subd. (sometimes described as Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 14: (Warranty Deed recorded March 9, 1967 in Volume 239 of Records, Page 143 as Document Number 713795).

The South 45 feet of Lot Seventeen (17) and also all of Lot Eighteen (18) of Motor Subd. (sometimes described as Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 15: (Warranty Deed recorded March 7, 1967 in Volume 239 of Records, Page 24 as Document Number 713375, subsequently re-recorded June 13, 1967 in Volume 249 of Records, Page 116 as Document Number 717293).

A strip of land 10 feet in width of the entire South side of Lot Fifteen (15), together with all of Lot Sixteen (16) and the North 9 feet of Lot Seventeen (17), all of Motor Subd. (sometimes described as Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 16: (Warranty Deed recorded June 20, 1968 in Volume 289 of Records, Page 400 as Document Number 731611).

Lot Seven (7) of Motor Subd. (sometimes described as Motor Subdivision), except the West fifty (50) feet thereof, meaning to except hereby a strip of land fifty (50) feet in width along the West side of said Lot Seven (7), all in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 17: (Warranty Deed recorded August 8, 1969 in Volume 332 of Records, Page 205 as Document Number 746510).

Lot Eleven (11) of Motor Subd. (sometimes described as Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 18: (Warranty Deed recorded December 26, 1969 in Volume 345 of Records, Page 77 as Document Number 751064).

Lot One hundred two (102), Spring Brook Addition to the City of Janesville, Wisconsin., in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 19: (Warranty Deed recorded December 26, 1969 in Volume 345 of Records, Page 80 as Document Number 751065).

Lot Two (2) and the North seven (7) feet of Lot Three (3) of Motor Subd. (sometimes described as Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 20: (Warranty Deed recorded January 13, 1970 in Volume 346 of Records, Page 186 as Document Number 751477).

Lot One hundred seven (107) and the South fifty-four (54) feet of Lot One hundred six (106), Spring Brook Addition to the City of Janesville, Wis., in the City of Janesville, County of Rock and State of Wisconsin, excepting therefrom that portion of said Lot 107 as conveyed in the deed recorded December 13, 1978 in Volume 732 of Records, Page 1 as Document Number 899268.

Parcel 21: (Warranty Deed recorded February 10, 1970 in Volume 348 of Records, Page 215 as Document Number 752197).

All of Lot Eight (8), except the West fifty (50) feet thereof, of Motor Subd. (sometimes described as Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 22: (Quit Claim Deed recorded June 4, 1970 in Volume 358 of Records, Page 313 as Document Number 755802).

A parcel of land located in the Southwest One-Quarter (1/4) of the Northeast One-Quarter (1/4) of Section One (1), Township Two (2) North, Range Twelve (12) East, in the City of Janesville, County of Rock and State of Wisconsin, to-wit:

Commencing at the Northwest corner of Lot 21, Miltimore's New Addition, a recorded plat in the City of Janesville; thence South 01°07' East, 28.66 feet; thence South 89°49'54" East, 2,077.11 feet; thence South 00°52'38" East, 676.07 feet to a point on a curve; thence Northwesterly on a curve to the right which has a radius of 5,779.58 feet and a chord which bears North 80°50'03" West, 65.90 feet to the point of beginning; thence continuing Northwesterly on a curve to the right which has a radius of 5,779.58 feet and a chord which bears North 80°10'26" west, 74.09 feet; thence North 89°00'22" East, 72.77 feet; thence South 00°59'38" East, 13.91 feet to the point of beginning.

Parcel 23: (Consisting of a Parcel I and a Parcel II): (Warranty Deed recorded October 1, 1973 in Volume 491 of Records, Page 61 as Document Number 805861a).

Parcel I: Lots One (1), Two (2), Three (3), Four (4), Five (5) and Six (6), 2nd Motor Subd. (sometimes described as Second Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel II: That part of the Northeast One-Quarter (1/4) of Section One (1), Township Two (2) North, Range Twelve (12) East, described as follows, to-wit: Beginning at an iron pipe monument set on the North line of West State Street at a point 12.5 feet West of, as measured perpendicularly from the centerline of the main track; thence North 0°01'0" West, parallel with the centerline of said track, 325.0 feet to an iron pipe monument; thence South 89°58'30" West along a line drawn perpendicular to the last described line, 48.36 feet to an iron pipe monument set at the intersection of said line with the East line of Lot 1 of Second Motor Subdivision; thence South 0°07'30" West along the East lines of Lots 1, 2, 3, 4, 5 and 6 of said Second Motor Subdivision, 323.66 feet to an iron pipe monument found on the North line of West State Street aforesaid; thence South 88°26'30" East along said North line, 49.25 feet to the place of beginning, all of the above described land situated in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 24: (Warranty Deed recorded October 9, 1973 in Volume 492 of Records, Page 113 as Document Number 806284).

Lot Ten (10) of Motor Subd. (sometimes described as Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 25: (Warranty Deed recorded June 29, 1978 in Volume 707 of Records, Page 14 as Document Number 889784).

Lot One hundred one (101) of Spring Brook Addition to the City of Janesville, Wis., in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 26: (Warranty Deed recorded August 10, 1978 in Volume 713 of Records, Page 556 as Document Number 892428).

Lots Seven (7) through Fifteen (15), inclusive of 2nd Motor Subd. (sometimes described as Second Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Lots Sixteen (16) and Seventeen (17), except the West 67.5 feet thereof, of 2nd. Motor Subd. (sometimes described as Second Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 27: (Warranty Deed recorded November 13, 1978 in Volume 727 of Records, Page 625 as Document Number 897732).

Lots One hundred seventy-eight (178) through Two hundred four (204), inclusive, of Spring brook Addition to the City of Janesville, Wis., in the City of Janesville, County of Rock and State of Wisconsin.

Also, all that part of vacated Harold Street bounded as follows, to-wit: On the South by the North line of Elliott Street; on the West by the Easterly lot lines of lots 181 through 192 of said addition; on the East by the Westerly lot lines of lots 193 through 204 of said addition; and on the North by a line 792 feet North of the North line of Elliott Street.

Also, the West 1/2 of the vacated alley lying East of and adjacent to lots 193 through 204 of said addition.

Parcel 28: (Quit Claim Deed recorded December 13, 1978 in Volume 732 of Records, Page 7 as Document Number 899269)

Part of Lot 108 of Spring Brook Addition, lying in the Northeast Quarter of Section 1, Township 2 North, Range 12 East, of the Fourth Principal Meridian, City of Janesville, Rock County, Wisconsin, described as follows:

Beginning at the Northeast Comer of said Lot 108; thence South 00°54'15" East along the West line of South Jackson Street 46.28 feet; thence Northwesterly, along a curve convexed Southwesterly, 144.98 feet, having a radius of 691.78 feet and a chord bearing of North 70°39'10" West 144.72 feet; thence South 89"17"45" East 135.83 feet to the place of beginning;

AND

Lot 11 and part of Lot 10, Conger's Addition, part of Lots 108 and 109 of Spring Brook Addition, part of vacated Industrial Avenue and also part of the Southeast Quarter of the Northwest Quarter and the Southwest Quarter of the Northeast Quarter of Section 1. Township 2 North, Range 12 East, of the Fourth Principal Meridian, City of 'Janesville, Rock County, Wisconsin, described as follows:

Beginning at the Southeast Comer of said Lot 109; thence North 89°17'45° West 309.55 feet, thence North 0°54'53" West 38.16 feet, thence North 81°23'24" West 30.42 feet; thence Northwesterly, along a curve convexed Southwesterly 65.90 feet, having a radius of 5779.58 feet and a chord bearing North 80°52'03" West 65.90 feet; thence North 0"59'38" West 13.91 feet; thence South 89"00'22" West 72.24 feet to the curving Southwesterly line of Chicago, Milwaukee, St. Paul and Pacific Railroad Company property (said line being parallel to and 50.0 feet Southwesterly from the existing centerline of the main track); thence Northwesterly, along a curve convexed Southwesterly, 795.44 feet, having a radius of 5779.65 feet and a chord bearing North 75°44'04" West 794.81 feet; thence North 89°17'28" East 335.89 feet to the Northeasterly line of said Chicago, Milwaukee, St. Paul and Pacific Railroad Company property; thence Southeasterly, along a curve convexed Southwesterly (said line being parallel to and 50.0 feet Northeasterly from the existing centerline of the main track), 614.04 feet, having a radius of 5679.65 feet and a chord bearing South 78'05'46" East 613.74 feet; thence South 0'54'53" East 7.23 feet, thence South 89°17'45" East 63.45 feet; thence South 61°49'06" East 63.60 feet to a point of curve; thence Southeasterly, along a curve convexed southwesterly, 204, 78 feet, having a radius of 741.78 feet and chord bearing South 69°43'37" East 204.13 feet to the East line of said Lot 109; thence South 00°54'15" East along said East line, 34.26 feet to the place of beginning.

Parcel 29: (Quit Claim Deed recorded April 30, 1981 on Card 76, Image 113 as Document Number 938862a)

That part of the North Half of the Southeast Quarter of Section 1, Township 2 North, Range 12 East of the Fourth Principal Meridian, City of Janesville, Rock County, Wisconsin, described as follows:

Parcel A: Beginning at an iron pin monument found at the Northwest corner of Lot 178 of Spring Brook Addition, a recorded subdivision; thence South 0°14′00° East along the West line of said Spring Brook Addition, 990.17 feet to an iron pin monument found at the Southwest comer of Lot 192 of said Spring Brook Addition; thence North 88°36′00° West along the North line of Elliott Street, 21.35 feet to an iron pin monument set; thence North 0°20′25″ West along a line parallel with and 15.00 feet East from the center line of the existing Chicago and North Western Transportation Company spur line, 990.17 feet to an iron pin monument set on the South line of West State Street; thence South 88°43′30″ East along said South line, 23.15 feet to the place of beginning.

Parcel B: Beginning at an iron pipe monument found at the Northeast corner of Lot 7, Second Motor Subdivision, a recorded subdivision; thence South 88°43'30" East along the South line of West State Street, 46.85 feet to an iron pin monument set; thence South 0°20'25" East along a line parallel with and 15.00 feet West from the center line of the existing Chicago and North Western Transportation Company spur line, 463.67 feet to an iron pin set on the Easterly extension of the South line of Lot 15 of said Second Motor Subdivision; thence North 88°37'45" West along said line, 47.60 feet to an iron pipe monument found at the Southeast corner of said Lot 15; thence North 0°14'55" West along the East line of said Second Motor Subdivision, 463.57 feet to the place of beginning.

Parcel 30: (Warranty Deed recorded May 21, 1984 on Card 173, Image 44 as Document Number 987168a)

Land situated in Rock County, Wisconsin, to wit:

Lots 53, 55, 56, 57, 58, 59, 60, and 61, Miltimore's Second New Addition to the City of Janesville; including all that part of South Academy Street adjoining Lots 55-61 and vacated by resolution of the City Council of the City of Janesville on September 21, 1953, and the Northeast half (erroneously described in land contract hereinafter mentioned as Southwest half) of all that part of Chicago Avenue vacated by resolution of said City Council on November 2, 1953; also including and subject to an agreement between grantors and Guy McCue, dated December 3, 1953, and recorded in Vol. 452 of Deed on Page 564:

Also, all that part of fractional lot six (6) and that part of the West one half (W 1 /2) of the Southwest one quarter (SW 1/4) of Section One (1), Town Two (2) North Range Twelve (12) East, being the Township of Rock, Rock County, Wisconsin described as follows: Commencing at the intersection of the center line of Eastern Avenue and South Academy Street and running thence Westerly along the center line of Eastern Avenue a distance of two hundred and eighty three (283) feet; thence in a Southerly direction and parallel to the West line of South Academy Street to the Chicago & Northwestern Railway right-of-way; thence in a Southeasterly direction along said right-of-way to the center line of South Academy Street; thence Northerly along the center line of South Academy Street to the place of beginning; EXCEPTING AND RESERVING THEREFROM the lands heretofore deeded to the Wisconsin State Armory Board described as beginning at a point in the West line of South Academy Street two hundred and sixty seven (267) feet South of the intersection of said West line of South Academy Street with the South line of Eastern Avenue; thence West at right angles to South Academy Street one hundred and twenty (120) feet; thence South and parallel with South Academy Street three hundred (300) feet; thence East one hundred and twenty (120) feet to the West line of South Academy Street: thence North along the West line of South Academy Street three hundred (300) feet to the place of beginning;

Now described per current survey as:

Lots, 53, 56, 56, 57, 58, 59, 60 and 61, Miltimore's Second New Addition, all that part of South Academy Street adjoining lots 55-61 and vacated by Resolution of the City Council on September 21, 1953, and the North half of all that part of Chicago Avenue vacated by resolution of said city council on November 2, 1953, also all that part of fractional lot six and that part of the West 1/2 of the SW. 1/4 of Section 1, T.2N., R.12E. of the 4th P.M., all in the City of Janesville, Rock County, Wisconsin.

DESCRIBED AS FOLLOWS: Beginning at an iron pipe monument at the NE corner of Lot 61, Miltimore's Second New Addition, a recorded subdivision; thence S. 1 "05'25" E. 462.10 feet to an iron pipe monument at the NW corner of lot 53 of said Addition; thence \$ 89°14'55" E. 132.20 feet to an iron pipe monument at the NE corner of said Lot 53; thence S 1°05′25" E. 66.05 feet to an iron pipe monument at the SE corner of said Lot 53; thence N 89°15'55" W. 132.20 feet to an iron pipe monument at the SW comer of said Lot 53; thence \$ 1°05'25" E. 54.79 feet to an iron pin monument at the SE corner of Lot 55 of said Addition; thence N. 43°51'10" W. along the Southwesterly line of said Lot 55, a distance of 22.10 feet to an iron pin monument; thence S. 46°08'50" W. 24.75 feet to an iron pin monument on the center line of vacated Chicago Avenue; thence N. 43°51'10" W. along said centerline, 194.11 feet to an iron pin monument on the centerline of vacated South Academy Street, thence S. 1°06'20" E. along said centerline, 36.46 feet to an iron pin monument on the Northeasterly R.O.W. line of the Chicago and Northwestern Transportation Company property; thence N. 43°51'10" W. along said Northeasterly R.O.W line, 322.84 feet to an iron pin monument at a jog in said R.O.W. line; thence S. 88"53"35" E. 5.65 feet to an iron pin monument; thence N. 43°51'10" W. continuing along said Northeasterly R.O.W. line, 101.70 feet to an iron pin monument; thence N. 1°07'35" W. 972.09 feet to an iron pin monument on the South line of West Delavan Drive; thence S. 89°17'15" E. along said South line, 250.00 feet to an iron pipe monument on the West line of South Academy Street; thence S. 10 06'20" E. along said West line, 267.00 feet to an iron pin monument at the NE corner of the Wisconsin State Armory tract; thence S. 88"53'40" W. 120.00 feet to an iron pin monument at the NW corner of said tract; thence 5. 1°06'20" E. 300.00 feet to an iron pin monument at the SW comer of said tract; thence N. 88°53'40" E. 120,00 feet to a chiseled X in concrete at the SE comer of said tract; thence S. 1°06'20" E. continuing along said West line, 224.90 feet to an iron pin monument on the South line of Cedar Street; thence S. 89°15′50″ E. along said South line, 198.18 feet to the place of beginning, situated in the County of Rock and State of Wisconsin.

Parcel 31: (Warranty Deed recorded July 8, 1985 on Card 214, Image 150 as Document Number 1007510a).

All that part of the East One-half (1/2) of the Northwest One-quarter (1/4) of Section One (1), in Township Two (2) North, Range Twelve (12) East, of the 4th P.M., in the City of Janesville, County of Rock and State of Wisconsin, described as follows:

Beginning at a point in the centerline of Delevan Drive (formerly Eastern Avenue), at a point 625.45 (deed 9.46-1/2 chains – 624.69 feet) East of the West line of said East 1/2 of said Northwest 1/4; thence South 1° 14'35" East, 251.07 feet (deed South 3.80-3/4 chains – 251.30 feet), to the North line of the right-of-way of the Chicago, Milwaukee and St. Paul Railway Company; thence North 68°04'55" West along said right-of-way, 107.62 feet; thence North 1°14'35" West parallel with first described line, 212.12 feet (deed North 3.21-3/4 chains – 212.36 feet) to said centerline; thence South 89°17'15" East along said centerline, 99.00 feet (deed East 1.30 chains – 99.00 feet) to the place of beginning. Reserving therefrom the North 33.00 feet in equal with for street purposes.

Parcel 32: (Quit Claim Deed recorded December 14, 1993 on Card 678, Image 182 as Document Number 1218926).

Lots One (1), Four (4), Five (5), Six (6) and the Southerly 51 feet of Lot Three (3) of Motor Subd. (sometimes described as Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 33: (Warranty Deed recorded February 12, 1996 on Card 827, Image 262 as Document Number 1285016).

The South 26 feet of Lot Thirteen (13) and the North 41 feet of Lot Fourteen (14) of Motor Subd. (sometimes described as Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 34: (Warranty Deed recorded January 4, 1996 on Card 820, Image 269 as Document Number 1281856).

Lot Twelve (12) and the North 28 feet of Lot Thirteen (13) of Motor Subd. (sometimes described as Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 35: (Warranty Deed recorded January 15, 1996 on Card 822, Image 453 as Document Number 1282855).

Lot One (1) of a certified survey map, recorded September 13, 1989 at 10:40 A.M. as Document No. 1098634, in Volume 14 of Certified Survey Maps, on Pages 90, 91 and 92, in the Office of the Register of Deeds for Rock County, Wisconsin; being Lot 1 of Conger's Addition, and Lots 99 and 100 of Spring Brook Addition, in the City of Janesville, County of Rock and State of Wisconsin. Excepting from said Lot 1 that portion thereof conveyed to the City of Janesville in deed by corporation recorded March 30, 2005 as Document Number 1700947.

Parcel 36: (Warranty Deed recorded January 19, 1996 on Card 823, Image 299 as Document Number 1283231).

All that part of fractional lots numbered Four (4) and Five (5) of Section One (1), Township Two (2) North, Range Twelve (12) East, lying within the limited of the City of Janesville, Rock County, Wisconsin, described as follows:

Beginning at an iron pipe monument in the Southerly line of Eastern Avenue, 33 feet West of the intersection of said Southerly line with the North and South center line of said section; thence Easterly along the Southerly line of Eastern Avenue, 180 feet to an iron pipe monument; thence Southerly and parallel with said North and South center line, 132 feet to an iron pipe monument; thence Westerly and parallel with the Southerly line of Eastern Avenue, 180 feet to an iron pipe monument; thence Northerly and parallel with the North and South center line of said section, 132 feet to the point of beginning; except the West 30 feet thereof.

Parcel 37: (Warranty Deed recorded June 3, 1996 on Card 854, Image 955 as Document Number 1296401).

Lot Eighteen (18), except the West 1/2 of the North 32 feet; lots Nineteen (19), Twenty (20), Twenty-one (21) and Twenty-two (22) of 2nd Motor Subd. (sometimes described as Second Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin. Subject to a perpetual easement of right-of-way across said lots for a railroad sidetrack as now existing.

Also a parcel of land on the East side of Lots 16 through 25, inclusive of Second Motor Subdivision, in the City of Janesville, Rock County, Wisconsin (and formerly part of Spring Brook Addition to said city) and described as follows: Beginning at the Northeast corner of Lot 16; thence Easterly 47.5 feet, more or less, along the Easterly extension of the North line of Lot 16 to a point 12.5 feet West of the center line of single track of the Chicago and Northwestern Railway Company; thence Southerly along a line that is parallel to and 12.5 feet West of the centerline of the above described track, 526.5 feet to the North line of Elliott Street; thence Westerly 47.5 feet, more or less, to the Southeast corner of Lot 25 of Second Motor Subdivision; thence Northerly along the East boundaries of Lot 25 through 16 to a point of beginning.

Parcel 38: (Warranty Deed recorded August 26, 1999 as Document Number 1432353).

Part of fractional Lot Five (5) in the Northwest One-Quarter (1/4) of Section One (1) in Township Two (2) North, Range Twelve (12) East of the 4th P.M., in the City of Janesville, County of Rock and State of Wisconsin, described as follows:

- 1) Beginning at a point in the South line of Eastern Avenue, 2 rods West of the point of intersection of said line with the West boundary line of Alphonso Place; thence South, parallel with said West line of Eastern Avenue, 4 rods; thence North, parallel with said West line of Alphonso Place, 8 rods to said South line of Eastern Avenue; thence East, along said South line, to the place of beginning; and
- 2) The West 30 feet of the following described real estate: Beginning at an iron pipe monument in the Southerly line of Eastern Avenue (Now W. Delavan Drive), 33 feet West of the intersection of said Southerly line with the North and South centerline of said Section 1; thence Easterly, along said Southerly line of Eastern Avenue, 180 feet to an iron pipe monument; thence Southerly parallel with said North and South centerline, 132 feet to an iron pipe monument; thence Westerly, parallel with said South centerline, 180 feet to an iron pipe monument; thence Northerly, parallel with said North and South centerline, 132 feet to the point of beginning.

Parcel 39: (Quit Claim Deed recorded September 22, 1999 as Document Number 1435380).

A strip of land lying Easterly of lots 26, 27, 28, 29 and 30 of the Second Motor Subdivision, being a part of the SE 1/4 of Section 1, Township 2 North, Range 12 East of the 4th P.M., City of Janesville, Rock County, Wisconsin, described as follows:

Beginning at the Northeast corner of said Lot 26; thence South 88°06'02" East, a distance of 41.20 feet; thence South 00°37'50" West, a distance of 17.95 feet to a point of curve; thence Southwesterly along a curve convexed Southeasterly an arc distance of 482.83 feet, having a radius of 554.60 feet, the chord bearing South 25°25'17" West, a distance of 467.73 feet to the Easterly right-of-way line of South Jackson Street; thence North 00°07'00" East, along said Easterly line, a distance of 48.52 feet to a point of curve; thence Northeasterly along a curve convexed Southeasterly, an arc distance of 413.96 feet, having a radius of 513.70 feet, the chord bearing North 23°20'22" East, a distance of 402.85 feet; thence North 00° 14'50" East, a distance of 23.34 feet to the point of beginning.

Parcel 40: (Warranty Deed recorded June 1, 2000 as Document Number 1458912).

The West 67 1/2 feet of Lots Sixteen (16) and Seventeen (17) of 2nd. Motor Subd. (sometimes described as Second Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin, excepting therefrom the following described to-wit: Part of Lot 17 of Second Motor Subdivision of the City of Janesville, Rock County, Wisconsin, described as follows: Beginning at the Southwest corner of said lot; thence Easterly along the South line of said lot, 67.5 feet; thence Northerly and parallel to the West line of said lot, 1 foot; thence Westerly in a straight line to the point of beginning.

Parcel 41: (Warranty Deed recorded June 16, 2000 as Document Number 1460617).

Lot Two hundred six (206) and the West 1/2 of vacated alley lying adjacent to said lot, in Spring Brook Addition to the City of Janesville, Wis., in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 42: (Warranty Deed recorded June 16, 2000 as Document Number 1460618).

Lot Two hundred five (205) and the West 1/2 of vacated alley lying adjacent to said lot, in Spring Brook Addition to the City of Janesville, Wis., in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 43: (Warranty Deed recorded August 1, 2000 as Document Number 1464943).

Part of Lot Seventeen (17) of 2nd. Motor Subd. (sometimes described as Second Motor Subdivision), in

the City of Janesville, County of Rock and State of Wisconsin, described as follows: Beginning at the Southwest corner of said lot; thence Easterly along the South line of said lot, 67.5 feet; thence Northerly and parallel to the West line of said lot, 1 foot; thence Westerly in a straight line to the point of beginning.

AND

The West 1/2 of the North 32 feet of Lot Eighteen (18) of 2nd Motor Subd. (sometimes described as Second Motor Subdivision), in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 44: (Warranty Deed recorded June 13, 2000 as Document Number 1460361)

Lots One hundred five (105) and One hundred six (106), excepting the South 54 feet of lot 106, in Spring Brook Addition to the City of Janesville, Wis., in the City of Janesville, County of Rock and State of Wisconsin.

Parcel 45:

Lot One (1) of a certified survey map recorded June 2, 1982 in Volume 11, Page 30 of Certified Survey Maps of Rock County, Wisconsin, also recorded on Card 106, Image 41 as Document Number 953620, being part of Lot 329 of Spring Brook Addition, located in the SE 1/4 Section 1, Township 2 North, Range 12 East of the 4th P.M., City of Janesville, Rock County, Wisconsin.

EASEMENT PARCEL:

Non-exclusive easement(s) as created, limited and defined by Grant of Easement Agreement recorded May 13, 2005 in Document No. 1706770.

Client Reference: 1000 General Motors Dr, 540 W Delavan Dr, 544 Kellogg Ave, Janesville, WI 53546

EXHIBIT B

Permitted Exceptions

- 1. Taxes for 2017, a lien not yet due and payable.
- 2. Rights-of-way for railroad, switch tracks, spur tracks, railway facilities and other related easements, if any, on and across the land.
- Sewer Right of Way in favor of the City of Janesville, Wisconsin, a municipal corporation, recorded November 10, 1947 in Volume 37 of Miscellaneous Page 200, as Document No. 483555.
- 4. Easement for Sanitary Sewer and Water Main in Quit Claim Deed, recorded January 8, 1952 in Volume 419 of Deeds, Page 311, as Document No. 526551.
- 5. Agreement in favor of Guy McCue, of Janesville, Wisconsin, recorded February 4, 1954 in Volume 452 of Deeds, Page 564, as Document No. 548877.
- 6. Right of Way as set forth in Quit Claim Deed, recorded June 13, 1958 in Volume 524 of Deeds, Page 286, as Document No. 559605.
- 7. Right of Way as set forth in Quit Claim Deed, recorded June 12, 1958 in Volume 524 of Deeds, Page 239, as Document No. 599553.
- 8. Easement for sewer purposes as disclosed by Agreement, recorded June 16, 1958 in Volume 524 of Deeds, Page 314, as Document No. 599653.
- 9. Right of Way as set forth in Quit Claim Deed, recorded June 12, 1958 in Volume 524 of Deeds, Page 241, Document No. 599554.
- 10. Easement for sewer purposes as disclosed by Agreement, recorded June 13, 1958 in Volume 524 of Deeds, Page 283, as Document No. 599603.
- Perpetual easement for sewer purposes as disclosed by Agreement recorded August 3, 1962 in Volume 54 of Records, Page 421, as Document No. 649301.
- 12. Reservation in Deed, recorded September 27, 1966 in Volume 224 of Records, Page 598, as Document No. 708857.
- 13. Right of Way as set forth in Quit Claim Deed, recorded December 11, 1963 in Volume 107 of Records, Page 237, Document No.667931.
- 14. Perpetual easement for sewer purposes as disclosed by Agreement recorded February 6, 1963 in Volume 72 of Records, Page 527, as Document No. 655793.
- 15. Easement in favor of Wisconsin Power and Light Company, a Wisconsin corporation, recorded December 15, 1967 in Volume 270 of Records, Page 37, as Document No. 724616.
- 16. Right of Way as set forth in Warranty Deed, recorded June 20, 1968 in Volume 289 of Deeds, Page 400, as Document No. 731611.

- 17. Right of Way as set forth in Warranty Deed, recorded February 10, 1970 in Volume 348 of Deeds, Page 215, as Document No. 752197.
- 18. Sidewalk Easement in favor of the City of Janesville, recorded May 14, 1996 in Card 850, Images 594 and 595, as Document No. 1294661.
- 19. Groundwater Use Restriction, recorded September 20, 1999 in Document No. 1434932.
- 20. Reservation in Quit Claim Deed, recorded September 22, 1999 in Document No. 1435380.
- 21. Groundwater Use Restriction, recorded April 8, 2003 in Document No. 1599811.
- 22. Permanent limited easement as disclosed in Temporary Right of Entry Easement, recorded August 28, 2003 in Document No. 1629653.
- 23. Easement and Rights reserved in Deed by Corporation, recorded September 5, 2003 in Document No. 1631307.
- 24. Overhead Electric Line Facilities in favor of Wisconsin Power and Light Company, a Wisconsin Corporation, recorded December 4, 2003 in Document No. 1644227.
- 25. Non-Exclusive Driveway Easement, recorded May 13, 2005 in Document No. 1706768.
- 26. Rights of the public and private rights of others entitled thereto in and to use of that portion of the premises that maybe within the bounds of Jatco Drive, South of railroad right of way, and Kellogg Avenue.
- 27. Right of Way as set forth on easements, if any, that will continue despite the vacation or partial vacation of George Street, Elliott Street, James Street, Aiphonso Place, Viney Street, Industrial Avenue, Wisconsin Statutes 80.32(4) as replaced by Section 66.1005(2)(a) of the Statutes, preserves the rights of the public and any utility, municipality, school district or person to continue and maintain any installation in the public way that has become part of the insured premises.
- 28. Rights of the railroad company servicing the railroad siding, if any, located on insured premises in and to the ties, rails and other properties constituting said railroad siding or in and to the use thereof.
- 29. All rights of first acquisition as may held by the State of Wisconsin, Department of Transportation (or its assignee) pursuant to Section 85.09 of the Wisconsin Statutes--with respect to that portion of the premises which were formerly a part of railroad right-of-way.
- 30. Building and Use Restrictions, as recorded in Card 76, Image 113, as Document No. 938862, and recorded in Document No. 952689, and also in Volume 95, Page 605 as Document No. 663961, but omitting any covenant or restriction based on race, color, religion, sex, handicap, familial status, or national origin.
- 31. Declaration of Use Restriction by General Motors LLC, a Delaware limited liability company, recorded March 22, 2017 in Document No.2074105.