GENERAL SITE INFORMATION, CHARACTERISTICS, AND STATUS

Project Name	***OTTAWA RIVER - PROJECT 2 (Removal from Unnamed Tributary)***	***ProjectID:*** 05-21
Last Updated:	03/20/99	

City:	Toledo
County:	Lucas
State:	OH
Country:	USA
Bodies of Water:	Unnamed tributary; Ottawa River; Maumee Bay; Lake Erie
US EPA Region:	V
Status (Active, Complete, or Monitoring Only):	Complete
Date On NPL:	N/A
ROD/ESD Date:	N/A
Operable Unit:	N/A
Areas of Concern (length or acres):	Unnamed tributary approximately 975 ft. long and 90 ft. wide at its mouth, and tapering to a 10 ft. width at its origin.
Other Characteristics of Water Body:	Historically, the Unnamed Tributary was part of the Ottawa River's main channel. The Ottawa River was straightened and rechannelized in this area prior to 1940. When Interstate Highway 75 was constructed, a portion of the abandoned river channel was filled. The remaining 975-foot long unfilled portion, left to convey storm water to the Ottawa River, was referred to as the Unnamed Tributary. The site is affected by the Lake Erie seiche (reversal of flow).
Contaminants of Concern:	PCBs
Source of Contamination:	Reportedly, industrial storm sewers conveying PCB-containing heat exchange fluid; also, several other potential PCB sources (e.g., adjacent landfills).
Contaminated Area Physical Characteristics:	Unnamed Tributary sediment (soft, silty) and adjacent wetland soils were targeted. PCB concentrations in Unnamed Tributary sediment were reported as high as 74,000 ppm and in fish from the Ottawa River as high as 500 ppm. Specifically, about one-half of 104 sediment samples from 28 cores contained PCBs at <50 ppm and somewhat less than ten percent of the samples contained PCBs >10,000 ppm. According to geochronological sampling, sediment was being deposited in the Unnamed Tributary at a rate of about 2 cm/yr. Fifty-three soil samples from a low-lying area adjacent to the Unnamed Tributary exhibited 0.3 to 440 ppm PCBs, with a median of 13 ppm.
Type of Regulatory Action:	"Partnership" between the City of Toledo, Ohio EPA, U.S. EPA, US Fish and Wildlife Service, and GenCorp, Inc.
Overall Status Summary:	Remediation of the 975-foot long Unnamed Tributary began in January 1998 and targeted the removal of 6,500 cy of sediment and 1,800 cy of soil. The target cleanup level was 50 ppm PCBs. The tributary conveyed stormwater to the Ottawa River. The targeted area was first hydraulically isolated by sheetpiling/earthen berms, water was pumped out and treated onsite, and 8,039 cy of sediments were removed by dry excavation, as well as 1,653 cy of soil from an adjacent low-lying area. Final verification samples from the excavated areas ranged from ND to 38 ppm PCBs. Removed materials were dewatered by gravity, stabilized with Pozzament 100, and disposed at off-site landfills - - 14,975 tons as TSCA waste and 881 tons of soil as non-hazardous waste. The excavated areas were backfilled with 5 to 15 feet of clean fill material obtained from onsite areas. Completion was in June 1998.
Remedial Action Planned:	☑

GENERAL SITE INFORMATION, CHARACTERISTICS, AND STATUS

Project Name	***OTTAWA RIVER - PROJECT 2 (Removal from Unnamed Tributary)***	***ProjectID:*** 05-21
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Risk Assessment:	☑
Remedial Action Implemented:	☑
Status of Dredging	☐
PRPs:	☑
Contacts:	☑
References:	☑
Modeling:	☐
Fishing Advisory:	☑

Key Conditions: commercial landfill, Great Lakes AOC

REMEDIAL ACTION PLANNED

Project Name	***OTTAWA RIVER - PROJECT 2 (Removal from Unnamed Tributary)***	***ProjectID:*** 05-21
Last Updated:	03/20/99	

Target Sediment Cleanup Standards (TSCS): 50 ppm PCBs

How TSCS Established: Negotiated between GenCorp, OH EPA, US EPA, US Fish and Wildlife Service, and City of Toledo.

Target Bank and Floodplain Cleanup Levels (if applicable): Removal of one foot of soil from the adjacent low-lying area to prepare the area for staging activities and to remove the highest concentrations of PCBs identified within the low-lying area.

Other Target:

Environmental Sample Data References:

- ***Sediment:***
- ***Water:***
- ***Fish:***

Estimated Target Volume: Removal of 6,500 cy of sediment (Unnamed Tributary) and 1,800 cy of soil (low-lying area).

Planned Disposal Method: Off-site commercial TSCA landfill.

Estimated Calendar Time to Implement Remedy: Removal to be performed during the winter months when impacts from the seiche (flow reversal) events are minimized.

Estimated Time to Implement Remedy: 6 months

Estimated Cost to Implement Remedy: Estimated Total Remediation Cost: $5 million

Stated Remedial Action Objectives (and Source):
1. Reduce the potential for PCB movement from the Unnamed Tributary.
2. Minimize the potential for human and wildlife exposure to PCB-containing sediments in the Unnamed Tributary.

Measures of Success to be Used: Agencies required confirmatory sampling for PCBs prior to backfilling.

Planned Monitoring and Restoration: The Unnamed Tributary would be backfilled with clean fill to a final design grade covering any residual materials with from 5-15 feet of backfill. That portion of the low-lying area disturbed as part of the construction activities would be returned to grade with the placement of clean fill. Regrading of the Site would be carried out such that all water is directed away from the location of the former Unnamed Tributary and towards the low-lying area.

Agency Position on Sediment Removal (and Source): Reference A-428:

"Remediation of the Unnamed Tributary Site would be implemented in two phases. As part of Phase I, existing storm sewer pipelines that drain into the Tributary would be extended and rerouted into a newly-constructed channel. This channel would flow away from the Unnamed Tributary (i.e., into the low-lying area), and ultimately drain directly into the Ottawa River. To facilitate this pipeline extension/reroute, approximately 2,000 in situ cy of sediment containing the highest reported PCB concentrations would be removed, dewatered and disposed in an offsite TSCA landfill. The area from which sediment is removed would be backfilled with up to

approximately 10 to 12 feet of material suitable to support the new storm sewer pipes. In addition, Phase I activities also would consist of constructing a sheetpile dam at the mouth of the Unnamed Tributary, physically isolating it from the Ottawa River. Taken together, all Phase I activities would effectively eliminate the Unnamed Tributary from acting as any sort of surface water flow channel."

"Phase II remedial activities would include the additional removal of PCB-containing materials from the remainder of the Unnamed Tributary and the adjacent low-lying area, with subsequent restoration/covering through the placement of clean fill. More specifically, this option would target to additionally remove approximately 4,500 in situ cy of sediment (at depths of 2-4 feet)."

"Overall, this operation would target the reduction of the PCB mass present in the sediments by approximately 97%, and theoretically would leave behind (beneath 5 to 15 feet of clean fill) residual PCB levels in sediments of approximately 25 ppm."

"In addition to sediment removal, approximately 1,800 cy of low-lying soils would be removed and managed consistent with the excavated sediments. Removal to a depth of approximately 1 foot was proposed to prepare the area for use in staging sediment removal equipment and activities. This activity would remove the highest concentration of PCBs detected within the low-lying area."

"Following completion of the removal activities, confirmatory composite samples of both the soil and sediment would be collected to determine whether the sediment PCB cleanup goal of 50 ppm had been achieved, or if additional sediment removal was warranted. Following verification sampling, the Unnamed Tributary would be backfilled with clean fill to a final design grade, covering any residual materials with at least 5 feet of backfill. That portion of the low-lying area disturbed as part of the construction activities would be returned to original grade through placement of clean fill. The regrading of the Site would be carried out such that all water is directed away from the location of the former Unnamed Tributary and towards the low-lying area. As a result, the Unnamed Tributary would essentially be removed as an aquatic habitat."

"The implementation of Option 2a not only hydraulically isolates the Unnamed Tributary from the Ottawa River, but it also targets the removal of approximately 97% of the PCB mass from the Tributary. This mass removal percentage is extremely significant, especially considering those factors inherent with dredging (i.e., sediment mixing, resuspension, and redeposition) that typically hinder the ability to remove "all" sediment, including those containing PCBs. Many other PCB dredging sites throughout the country are testimony to this difficulty..."

Project Name	***OTTAWA RIVER - PROJECT 2 (Removal from Unnamed Tributary)***	***ProjectID:*** 05-21
Last Updated:	03/20/99	

RA Type: Human Health and Ecological

RA Status: Complete

RA Objectives: To address the potential for human and ecological exposure to PCB-containing sediments.

Company Performing RA: BBL, Inc.

RA Reference Report: Remedial Options Evaluation (June 1997) and Addendum (October 1997)

RA Summary and Conclusions: Source: Reference A-428:

The human exposure evaluation indicted that site use was limited due to the physical characteristics of the Unnamed Tributary. However, the adjacent land (east of the Tributary) had historically been used as a motor cross track, and the public had unrestricted access to the Site. Therefore, an RAO was identified, in part, to address the potential for future recreational use of the area and subsequent human exposure to the PCB-containing sediments.

In addition to the human exposure evaluation, an ecological exposure evaluation was also performed. This evaluation indicated that the Site offered limited habitat and that wildlife may infrequently use the Site. Therefore, as a protective measure, an RAO was identified to also address the potential for limited ecological receptor exposure to PCB-containing sediments.

REMEDIAL ACTION IMPLEMENTED

Project Name:	***OTTAWA RIVER - PROJECT 2 (Removal from Unnamed Tributary)*** ***ProjectID:*** 05-21
Last Updated:	03/20/99
Physical Target:	Excavation to a predetermined depth (PCB mass removal), off-site disposal of sediment/soil, with permanent diversion of storm water, and permanent backfilling/sheet pile isolation of Unnamed Tributary from Ottawa River.
Goals:	see "Physical Target" above.
Primary Contractor:	Sevenson Environmental Services, Inc.
Other Contractors:	BBL, Inc. (and BBL Environmental Services)
Generic Remediation Method:	Dry excavation
Equipment:	Conventional earth moving equipment.
Material Handling:	Hydraulic isolation of targeted areas and excavation "in-the-dry." Excavated material transported to staging pad for gravity dewatering then fed into a pug mill via a trackhoe. Materials were mixed with 8-10% (by wgt.) of Pozzament 100, a stabilizing agent, to reduce free liquids, cured, then trucked to a landfill. Backfill was obtained from two onsite sources - - an embankment along the Unnamed Tributary and material excavated during construction of a new drainage channel.
Volume Removed:	8,039 cy (in situ) sediment and 1,653 cy of wetlands soil.
Calendar Time:	January 1998 - June 1998
Time To Implement:	5 months
Total Cost:	about $5 million (about $516 per cy)
Dredging Cost:	N/A
Disposal of Sediment:	14,975 tons of dewatered, stabilized material were disposed as TSCA waste at Wayne Disposal Facility in Bellevue, MI; 881 tons of soil were disposed as non-hazardous waste at Evergreen RFD in Norwood, OH.
Volume of Water:	Approximately 1 million gallons
Method of Water Treatment:	As described in Reference A-428: "The temporary WWTP accepted wastewaters from three major sources throughout the duration of this project. These included: water generated during excavation/remediation activities in the Unnamed Tributary and drainage swale; water captured in the 4-foot diameter sump of the staging area where materials were stockpiled prior to stabilization; and decontamination water used for cleaning personnel and equipment prior to leaving the Site. The treatment capacity was approximately 300 gallons per minute." "As wastewater was generated, it was initially pumped to an oil/water separator. A coagulant was added to the wastewater to promote oil separation and encourage settling of the suspended solids. Oil was skimmed off the top of the separator and the effluent overflowed into a pair of 50,000 gallons Influent Modutanks... Water was conveyed from the Modutanks to a set of static mixers where a coagulant and polymer were added. These chemical additions facilitated further separation and removal of suspended solids. The solids were removed from the system via an Inclined Plate Clarifier. Water exiting the clarifier was passed through a series of bag, sand and activated media

filters, respectively, to remove remaining particulates, oils and dissolved phase organic constituents. The treated water was routed to an effluent tank and subsequently discharged to the City of Toledo's local sanitary sewer system on a continuous basis. Effluent samples were collected weekly and analyzed for PCBs. One sample per month also was analyzed for other constituents including metals, cyanide, TPH (total petroleum hydrocarbons), TTO (total toxic organics), BTEX, and pH."

Water Discharge Limit: Constituent and Discharge Limit (ppm):

Cadmium, Total: 0.3
Chromium, Hexavalent: 0.8
Copper, Total: 1.0
Lead, Total: 1.5
Mercury, Total: 0.03
Nickel, Total: 2.9
Silver, Total: 0.2
Zinc, Total: 6.3
Cyanide, Total: 1.1
Arsenic, Total: 0.6
TPH: 15.0
TTO: 5.0
PCBs, Total: 0.01
BTEX: 0.5
pH: 5.0 - 12.0

Air Monitoring During Remediation: None

Water Monitoring During Remediation: City requirements to discharge to sanitary sewer (PCBs weekly, TTO, total metals, pH, BTEX and TPH monthly).

Outcome: To redirect stormwater, a 660-foot long storm water drainage channel was constructed in the low-lying area. To hydraulically isolate the Unnamed Tributary from the Ottawa River, 164 linear feet of steel sheeting was installed at the mouth of the Unnamed Tributary. Sediment removal was accomplished from four sectors of the Unnamed Tributary, residual PCBs were confirmed <50 ppm PCBs, and the remediated sectors were backfilled with 5-15 feet of onsite borrow material. Verification samples were composites of 3-6 samples made up of 12-18 inch cores. The number and results of final verification samples from the four sectors are as follows:

- Volume removed (642 cy); 2 composite samples, both ND (<0.1 ppm PCBs)
- Volume removed (594 cy); 1 composite sample, 4.6 ppm PCBs
- Volume removed (2,701 cy); 1 composite sample, 0.6 ppm PCBs
- Volume removed (4,102 cy); 5 composite samples, 0.5-38 ppm PCBs

In the low-lying area, 1,653 cy of soil were removed. Final composite verification samples (3) exhibited ND-0.4 ppm PCBs.

Restoration and Post-Monitoring: Backfilled areas were graded, received top soil, and were hydro sealed. Fish and sediments in the Ottawa River will reportedly be monitored, but details have not been obtained.

Site-Specific Difficulties: Thorough site characterization and predesign planning served to minimize the number of difficulties encountered during the implementation phase of the project. Potential obstacles that were

Project Name:	***OTTAWA RIVER - PROJECT 2 (Removal from Unnamed Tributary)***	***ProjectID:*** 05-21
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considered and resolved in the project were: diverting storm water during sediment removal; site access issues; preventing site from flooding due to seiche; removal down to an average sediment PCB concentration of < 50 ppm.

Monitoring Data References:

- ***Sediment***
- ***Water:***
- ***Fish:***

POTENTIALLY RESPONSIBLE PARTIES

Project Name ***OTTAWA RIVER - PROJECT 2 (Removal from Unnamed Tributary)*** ***ProjectID:*** 05-21

PRP Name: **PRP INFORMATION NOT RELEASED** ***PRPID:***

Street Address:

City:

State:

KEY CONTACTS

Project Name ***OTTAWA RIVER - PROJECT 2 (Removal from Unnamed Tributary)*** ***ProjectID:*** 05-21

Last Name: **KEY CONTACT INFORMATION NOT RELEASED** ***Contact ID:***

First Name:

Title:

Company:

Address:

City:

State:

Postal Code:

Work Phone # : ***Other Phone #:***

Fax # :

Email Address:

Project Name ***OTTAWA RIVER - PROJECT 2 (Removal from Unnamed Tributary)*** ***ProjectID:*** 05-21

Reference Type: A ***ReferenceID:*** 110

Title: ***Remediation of Contaminated Sediment at the Unnamed Tributary to the Ottawa River - Summary Report***

Location: AEM

Category: Close-Out Report

Prepared by/Author: Blasland, Bouck & Lee, Inc.

Preparer/Author Address: 6723 Towpath Road
Syracuse, NY 13214

Prepared For: US EPA - GLNPO; Ohio EPA; City of Toledo, OH

Date Published: January 2000

Key Words and Phrases:

Reference Type: A ***ReferenceID:*** 220

Title: ***Site Investigation Report***

Location: BBL

Category: Contaminated Sediments: Investigation/Delineation

Prepared by/Author: Blasland, Bouck & Lee, Inc

Preparer/Author Address: 6723 Towpath Road
P.O. Box 66
Syracuse, NY 13214

Prepared For: GenCorp, Inc.

Date Published: March 1997

Key Words and Phrases:

Reference Type: A ***ReferenceID:*** 221

Title: ***Supplemental Site Investigation Report***

Location: BBL

Category: Contaminated Sediments: Investigation/Delineation

Prepared by/Author: Blasland, Bouck & Lee, Inc

Preparer/Author Address: 6723 Towpath Road
P.O. Box 66
Syracuse, NY 13214

Prepared For: GenCorp, Inc.

Date Published: May 1997

Key Words and Phrases:

Project Name ***OTTAWA RIVER - PROJECT 2 (Removal from Unnamed Tributary)*** ***ProjectID:*** 05-21

Reference Type: A ***ReferenceID:*** 222

Title: ***Remedial Options Evaluation (ROE) Report***

Location: BBL

Category: Remedial Design

Prepared by/Author: Blasland, Bouck & Lee, Inc

Preparer/Author Address: 6723 Towpath Road
P.O. Box 66
Syracuse, NY 13214

Prepared For: GenCorp, Inc.

Date Published: June 1997

Key Words and Phrases:

Reference Type: A ***ReferenceID:*** 223

Title: ***Addendum to Remedial Options Evaluation Report (ROE)***

Location: BBL

Category: Remedial Design

Prepared by/Author: Blasland, Bouck & Lee, Inc

Preparer/Author Address: 6723 Towpath Road
P.O. Box 66
Syracuse, NY 13214

Prepared For: GenCorp, Inc.

Date Published: October 1997

Key Words and Phrases:

Project Name ***OTTAWA RIVER - PROJECT 2 (Removal from Unnamed Tributary)*** ***ProjectID:*** 05-21

Reference Type: A ***ReferenceID:*** 295

Title: ***Biological, Fish Tissue, and Sediment Study of the Ottawa River***

Location: AEM

Category: Fish/Biota

Prepared by/Author: Ohio Environmental Protection Agency
Division of Surface Water

Preparer/Author Address: Monitoring and Assessment Section
1685 Westbelt Drive
Columbus, OH 43228

Prepared For: OH EPA
Division of Emergency and Remedial Response

Date Published: January 30, 1998

Key Words and Phrases:

Reference Type: A ***ReferenceID:*** 308

Title: ***Michigan Fish Contaminant Monitoring Program 1998 Annual Report***

Location: AEM

Category: Fish/Biota

Prepared by/Author: Michigan Department of Environmental Quality,
Surface Water Quality Division

Preparer/Author Address:

Prepared For: General Public

Date Published: December 1998

Key Words and Phrases:

Project Name ***OTTAWA RIVER - PROJECT 2 (Removal from Unnamed Tributary)*** ***ProjectID:*** 05-21

Reference Type: A ***ReferenceID:*** 428

Title: ***Remedial Action Completion Report, Volume I of II***

Location: AEM

Category: Contaminated Sediments: Remediation Final Report

Prepared by/Author: Blasland, Bouck & Lee, Inc.

Preparer/Author Address: 6723 Towpath Road
P.O. Box 66
Syracuse, NY 13214

Prepared For: GenCorp, Inc.

Date Published: October 1998

Key Words and Phrases:

Reference Type: B ***ReferenceID:*** 257

Title: ***Ottawa River Restoration Project: Implementation of Remedial Technique to Address PCB Contamination Adjacent to the Unnamed Tributary (selected pages)***

Location: AEM

Category: Site Update

Prepared by/Author: Unknown

Preparer/Author Address:

Prepared For: Lake Erie Protection Fund Grant Application

Date Published: June 1997

Key Words and Phrases:

Reference Type: B ***ReferenceID:*** 270

Title: ***EPA: Cleanup of Ottawa River Tributary Finished***

Location: AEM

Category: Site Update

Prepared by/Author: US EPA Region V

Preparer/Author Address:

Prepared For: News Release

Date Published: June 2, 1998

Key Words and Phrases:

Project Name ***OTTAWA RIVER - PROJECT 2 (Removal from Unnamed Tributary)*** ***ProjectID:*** 05-21

Reference Type: B ***ReferenceID:*** 779

Title: ***Realizing Remediation I - Great Lakes Contaminated Sediments Ottawa River Tributary (see Reference A-905)***

Location: AEM

Category: Dredging: Remedial (Contaminated Sediments)

Prepared by/Author: US EPA Great Lakes National Program Office (GLNPO)

Preparer/Author Address: 77 West Jackson Boulevard (G-17J)
Chicago, IL 60604

Prepared For: General Public

Date Published: August 1, 2002

Key Words and Phrases:

Reference Type: B ***ReferenceID:*** 833

Title: ***Realizing Remediation II - Updated Summary: Maumee River AOC: Unnamed Tributary to Ottawa River (Ottawa River - Project 2) (see Reference A-907)***

Location: AEM

Category: Dredging: Remedial (Contaminated Sediments)

Prepared by/Author: US EPA Great Lakes National Program Office (GLNPO)

Preparer/Author Address: 77 West Jackson Boulevard (G-17J)
Chicago, IL 60604

Prepared For: General Public

Date Published: July 2000

Key Words and Phrases:

Project Name ***OTTAWA RIVER - PROJECT 2 (Removal from Unnamed Tributary)*** ***ProjectID:*** 05-21

Reference Type: C ***ReferenceID:*** 272

Title: ***Joint effort cleans up Ottawa River PCBs***

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author Address:

Prepared For: Superfund Week

Date Published: February 27, 1998

Key Words and Phrases:

Reference Type: C ***ReferenceID:*** 351

Title: ***Ottawa River, Ohio: Contaminated Sediment Remediation Project Completed***

Location: AEM

Category: Site Update

Prepared by/Author: US EPA HQ

Preparer/Author Address: Office of Science and Technology

Prepared For: Contaminated Sediment News (CSN), No. 22

Date Published: 1998 Fall

Key Words and Phrases:

Project Name ***OTTAWA RIVER - PROJECT 2 (Removal from Unnamed Tributary)*** ***ProjectID:*** 05-21

Reference Type: C ***ReferenceID:*** 588

Title: ***Sediment Remediation Can Improve Great Lakes Water Quality***

Location: AEM

Category: Miscellaneous

Prepared by/Author: (1) John H. Hartig, (2) Lisa Maynard, (3) Michael A. Zarull, (4) Gail Krantzberg

Preparer/Author Address: (1) Greater Detroit American Heritage River Institute
Detroit, MI
(2) International Joint Commission
Windsor, Ontario, Canada
(3) National Water Research Institute
Burlington, Ontario, Canada
(4) Ontario Ministry of Environment

Prepared For: Water Environment & Technology (WE&T)

Date Published: October 1999

Key Words and Phrases:

Reference Type: E ***ReferenceID:*** 173

Title: ***Remediation/Restoration of Ottawa River Tributary: Arriving at a Cost-Effective, Permanent Solution (one article from Reference E-168)***

Location: AEM

Category: Site Update

Prepared by/Author: Chris Conley, VP, Environmental Health & Safety

Preparer/Author Address: GenCorp, Inc.

Prepared For: BBL Sediment Management Seminar 2002

Date Published: February 7-8, 2002

Key Words and Phrases:

Project Name ***OTTAWA RIVER - PROJECT 2 (Removal from Unnamed Tributary)*** ***ProjectID:*** 05-21

Reference Type: M ***ReferenceID:*** 260

Title: ***Environmental Dredging: An Evaluation of Its Effectiveness in Controlling Risks***

Location: AEM

Category: Contaminated Sediments: Overview of Issues

Prepared by/Author: Blasland, Bouck & Lee, Inc.

Preparer/Author Address: 6723 Towpath Road
P.O. Box 66
Syracuse, NY 13214

Prepared For: General Electric Company

Date Published: August 2000

Key Words and Phrases:

Project Name ***OTTAWA RIVER - PROJECT 2 (Removal from Unnamed Tributary)*** ***ProjectID:*** 05-21

Advisory:	Ottawa River	***AdvisoryID:***	1047
Extent:	All waters (Lima)		
Pollutant:	PCBs (total)		
Species:	catfish-channel		
Population:	RGP		
Population Definition:	Restricted Consumption-General Population: Advises the general population to restrict the size of the organisms and/or the frequency of meals consumed.		
Advisory Type:	River	***Advisory Number:***	4825
Status (Active or Rescinded):	Active	***Date Rescinded:***	
Contact Name:	Robert Johnson	***Contact Number:***	614-644-6447

Advisory:	Ottawa River	***AdvisoryID:***	294
Extent:	I-475 North of Wildwood Preserve (Toledo) to Maumee Bay, Lake Erie (19 miles) [04-300]		
Pollutant:	PCBs (total)		
Species:	all fish		
Population:	NCGP		
Population Definition:	No Consumption-General Population: Advise against consumption by the general population.		
Advisory Type:	River	***Advisory Number:***	784
Status (Active or Rescinded):	Active	***Date Rescinded:***	
Contact Name:	Robert Johnson	***Contact Number:***	614-644-6447