

GENERAL SITE INFORMATION, CHARACTERISTICS, AND STATUS

Project Name	<u>SAUGET AREA 1 (Dead Creek)</u>	ProjectID: 05-35
Last Updated:	09/01/04	

City: Sauget and Cahokia

County: St. Clair

State: IL

Country: USA

Bodies of Water: Dead Creek; Old Prairie du Pont Creek; Cahokia Chute; Mississippi River

US EPA Region: V

Status (Active, Complete, or Monitoring Only): Complete

Date On NPL: 1996 (proposed)

ROD/ESD Date: NA

Operable Unit: NA

Areas of Concern (length or acres): About 2.6 miles of Dead Creek comprising five segments CS-B thru -F and another 1.4-acre backwater area referred to as Site M (originally a sand borrow pit that now connects hydraulically to Dead Creek). Includes bank and floodplain soils that reportedly have become contaminated as a result of the redistribution of contaminated sediments in Dead Creek during flood events.

Other Characteristics of Water Body: Dead Creek is approximately 3.5 miles in length and discharges to Old Prairie du Pont Creek, which flows about 2,000 feet west to a branch of the Mississippi River known as Cahokia Chute. Dead Creek was partially remediated in 1990 when Cerro Copper removed about 27,500 cy of contaminated sediment from CS-A, the northernmost section of Dead Creek. CS-A is now filled and covered with crushed gravel. Characteristics of the five creek segments and Site M are:

(Source: Reference A-625):

“CS-B extends for approximately 1,800 feet from Queeny Avenue south to Judith Lane. Sites G, L, and M of the Sauget Area One Site border this creek segment. Land use surrounding CS-B is primarily commercial with a small residential area near the southern end of this segment. Agricultural land lies to the west of the creek and south of Site G. At some point after 1943, the Judith Lane culvert, which allowed creek water to pass from CS-B to CS-C, was blocked.”

“CS-C extends for approximately 1,300 feet from Judith Lane south to Cahokia Street. Land use is primarily residential along both sides of CS-C.”

“CS-D extends for approximately 1,100 feet from Cahokia Street to Jerome Lane. Land use is primarily residential along both sides of CS-D.”

“CS-E extends approximately 4,300 feet from Jerome Lane to the intersection of Illinois Route 3 and Route 157. Land use surrounding CS-E is predominantly commercial with some mixed residential use. Dead Creek temporarily passes through corrugated pipe at the southern end of CS-E.”

“CS-F is approximately 6,500 feet along and extends from Route 157 to the Old Prairie du Pont Creek. CS-F is the widest segment of Dead Creek and a large wetland area extends several hundred feet out from the both sides of the creek.”

GENERAL SITE INFORMATION, CHARACTERISTICS, AND STATUS

Project Name	<u>SAUGET AREA 1 (Dead Creek)</u>	ProjectID: 05-35
Last Updated:	09/01/04	

“Site M: Located along the eastern side of Dead Creek CS-B (south of Site L) at the western end of Walnut Street in the Village of Cahokia. Site M was originally used as a sand borrow pit (dimensions = 220 feet by 320 feet) in the mid to late 1940s. The pit is hydraulically connected to Dead Creek through an eight-foot opening at the southwest portion of the pit. On information and belief, wastes from CS-B have in the past and potentially continue to migrate into Site M via this connection. The site is currently fenced.”

Contaminants of Concern: PCBs; VOCs; metals

Source of Contamination: (Source: Reference A-625):

“Dead Creek has historically been a repository for local area wastes. On December 21, 1928, an easement agreement between local property owners and representatives of local business, municipal, and property interests was executed to “improve the drainage in that District (Dead Creek) by improving Dead Creek so as to make it suitable for the disposal of wastewater, industrial waste, seepage and stormwater.” Thereafter, Dead Creek systematically received direct and indirect discharges from local business and the municipality for many years.”

Contaminated Area

Physical Characteristics:

Sampling of creek bed and Site M sediment and surface water indicate that elevated levels of various contaminants exist in these media in Dead Creek. Summarized sampling results for each target creek segment and Site M are:

(Source: Reference A-625):

“CS-B: Elevated levels of volatile organic compounds (“VOCs”) and semi-volatile organic compounds (“SVOCs”) were detected in sediment samples collected from CS-B such as benzene (87 parts per billion (“ppb”)), toluene (810 ppb), chlorobenzene (5,200 ppb), ethylbenzene (3,600 ppb), trichlorobenzene (3,700 parts per million (“ppm”)), dichlorobenzene (12,000 ppm), chloronitrobenzene (240 ppm), xylenes (540 ppm), 1,4-dichlorobenzene (220,000 ppb), 1,2-dichlorobenzene (17,000 ppb), phenanthrene (15,000 ppb), fluoranthene (11,000 ppb), pyrene (13,000 ppb). PCBs were detected at levels as high as 10,000 ppm. Elevated levels of metals were also detected in sediments in CS-B including arsenic (6,000 ppm), cadmium (400 ppm), copper (44,800 ppm), lead (24,000 ppm), mercury (30 ppm), nickel (3,500 ppm), silver (100 ppm), and zinc (71,000 ppm).”

“Surface water samples collected from CS-B revealed elevated concentrations of VOCs such as chloroform (27 ppm), 1,1-dichloroethene (3 ppb), toluene (20 ppb), and chlorobenzene (33 ppb). SVOCs detected in surface water included phenol (29 ppb), 2-chlorophenol (14 ppb), 1,4-dichlorobenzene, 2-methylphenol (4 ppb), 4-methylphenol (35 ppb), 2,4-dichlorophenol (150 ppb), naphthalene (8 ppb), 3-nitroaniline (9 ppb), and pentachlorophenol (120 ppb). Pesticides were also detected in surface water samples including dieldrin (0.18 ppb), 4,4-DDT (0.24 ppb), 2,4-D (47 ppb) and Silvex (34 ppb). An elevated level of PCBs (Aroclor 1260) was also detected in the surface water of CS-B at a level of 44 ppb. Elevated levels of metals were detected in surface water such as aluminum (9,080 ppb), barium (7,130 ppb), arsenic (31 ppb), cadmium (25 ppb), chromium (99 ppb), copper (17,900 ppb), lead (1,300 ppb), mercury (8.6 ppb), nickel (1,500 ppb), and zinc (10,300 ppb).”

“CS-C: Elevated levels of VOCs and SVOCs were detected in sediments in this segment of Dead Creek including fluoranthene (4,600 ppb), pyrene (4,500 ppb), benzo(a)anthracene (3,300 ppb), chrysene (4,400 ppb), benzo(b)fluoranthene (7,500 ppb), benzo(a)pyrene (4,500 ppb), indeno(1,2,3-cd)pyrene (4,300 ppb), benzo(g,h,i)perylene (1,500 ppb), dibenzo(a,h)anthracene (4,000 ppb), and 4-methyl-2-pentanone (1,200 ppb). PCBs (total) were detected in sediments at a maximum concentration of 27,500 ppb. Sediment samples also revealed elevated levels of metals such as copper (17,200 ppm), lead (1,300 ppm), nickel (2,300 ppm), zinc (21,000 ppm) and mercury

GENERAL SITE INFORMATION, CHARACTERISTICS, AND STATUS

Project Name	<u>SAUGET AREA 1 (Dead Creek)</u>	ProjectID: 05-35
Last Updated:	09/01/04	

(2.81 ppm).”

“Surface water samples collected from creek segment CS-C revealed elevated levels of metals such as lead (710 ppb), mercury (1.9 ppb), and nickel (83 ppb).”

“CS-D: Elevated concentrations of VOCs and SVOCs were detected in sediment samples collected from CS-D including 4-methyl-2-pentanone (1,200 ppb), benzo(b)fluoranthene (500 ppb), indeno(1,2,3-cd)pyrene (310 ppb), and dibenzo(a,h)anthracene (360 ppb). PCBs (total) were detected in sediments at a maximum concentration of 2,000 ppb. Elevated concentrations of metals were also detected such as cadmium (42 ppm), copper (1,630 ppm), lead (480 ppm), mercury (1 ppm), and zinc (6,590 ppm).”

“Surface water samples collected from CS-D revealed elevated concentrations of metals such as cadmium (8.1 ppb), lead (89 ppb), and nickel (189 ppb).”

“CS-E: Elevated concentrations of VOCs and SVOCs were detected in sediment samples collected from CS-E including chlorobenzene (120 ppb), pyrene (5,300 ppb), benzo(b)fluoranthene (2,400 ppb), and chrysene (2,800 ppb). Elevated levels of PCBs (total) were also detected at a maximum concentration of 59,926 ppb. Elevated levels of metals were also detected in sediment including cadmium (23.1 ppm), copper (8,540 ppm), lead (1,270 ppm), mercury (1.53 ppm), nickel (2,130 ppm), and zinc (9,970 ppm).”

“CS-F: Elevated concentrations of VOC and SVOCs were detected in the sediments of CS-F such as toluene (29 ppb), 4-methylphenol (1,100 ppb), fluoranthene (310 ppb), and pyrene (340 ppb). Pesticides were also detected in sediments such as 4,4-DDE (97 ppb), endrin (66 ppb), endosulfan II (203 ppb), and methoxychlor (8 ppb). PCBs (total) were also detected in sediments at a maximum concentration of 5,348 ppb. Elevated levels of metals were also detected in the sediments such as arsenic (276 ppm), lead (199 ppm), mercury (0.55 ppm), cadmium (23.5 ppm), copper (520 ppm), nickel (772 ppm), and zinc (4,520 ppm). Elevated concentrations of dioxin were also detected in sediments at a maximum concentration of 211 picograms per gram.”

“Site M: Originally constructed as a sand borrow pit in the mid to late 1940s, this pit is approximately 59,200 square feet in size and previous investigations indicate that approximately 3,600 cubic yards of contaminated sediments are contained within the pit. It is estimated that the pit is approximately 14 feet deep and it is probable that there is a hydraulic connection between this pit water and the underlying groundwater. Surface water samples collected from Site M revealed elevated levels of VOCs such as chloroform (27 ppb), toluene (19 ppb) and chlorobenzene (33 ppb). SVOCs detected in surface water included phenol (28 ppb), 2-chlorophenol (14 ppb), 2,4-dimethylphenol (13 ppb), 2,4-dichlorophenol (150 ppb), and pentachlorophenol (120 ppb). Pesticides detected in surface water include dieldrin (0.18 ppb), endosulfan II (0.06 ppb), 4,4-DDT (0.24 ppb), 2,4-D (47 ppb), and 2,4,5-TP (Silvex) (3.4 ppb). PCBs were also detected in surface water at a maximum level of 0.0044 ppb.”

“Sediment samples collected from Site M revealed elevated levels of VOCs such as 2-butanone (14,000 ppb), chlorobenzene (10 ppb), and ethylbenzene (0.82 ppb). SVOCs detected in sediments included 1,4-dichlorobenzene (40 ppm), 1,2-dichlorobenzene (26 ppm), 1,2,4-trichlorobenzene (14 ppm), pyrene (27 ppm), fluoranthene (21 ppm), chrysene (12 ppm), and benzo(b)fluoranthene (15 ppm). Total PCB levels were detected as high as 1,100 ppm. Elevated levels of metals were also detected in sediments including antimony (41.2 ppm), barium (9,060 ppm), cadmium (47.2 ppm), copper (21,000 ppm), nickel (2,490 ppm), silver (26 ppm), zinc (31,600 ppm), lead (1,910 ppm), arsenic (94 ppm), and cyanide (1.3 ppm).”

GENERAL SITE INFORMATION, CHARACTERISTICS, AND STATUS

Project Name	<u>SAUGET AREA 1 (Dead Creek)</u>	ProjectID: 05-35
Last Updated:	09/01/04	

Type of Regulatory Action: Interim. Unilateral Administrative Order for a time critical removal action. EPA-lead.

Overall Status Summary: The Sauget Area 1 Superfund Site includes 3.5-mile long Dead Creek, three hazardous waste disposal landfills, a formerly used waste impoundment, and two abandoned gravel pits. For investigative purposes, Dead Creek has been divided into six segments, CS-A through -F, totaling 15,000 feet in length. Sauget Area 1 was proposed for inclusion on the NPL in June of 1996 but has yet to be finalized. A second area, Sauget Area 2, is located adjacent to Sauget Area 1 and is being addressed separately under Superfund.

The area surrounding Dead Creek has historically comprised mostly heavy industry intermixed with smaller residential areas. The creek was used extensively as a conveyance to the Mississippi River for wastewater discharges from a variety of industrial and municipal sources. As a result, sediment and surface water in Dead Creek have been found to contain high levels of organic and inorganic contaminants (e.g., PCB levels in CS-B were measured as high as 10,000 ppm). Backfilled and/or plugged culverts between creek sectors have resulted in the flooding of low lying areas and the spread of contaminated sediment to these floodplain areas. In 1990, Cerro Copper excavated and disposed offsite 27,000 cy of sediment from river segment CS-A, the farthest upstream and most contaminated sector of Dead Creek. As part of the remedy, CS-A was filled with stone and paved over. Discharges to Dead Creek from this area are now the result of surface water runoff only. Multiple PRPs have been identified for both Sauget Areas 1 and 2, including Solutia, Inc., formerly part of Monsanto Company, as a result of PCB contamination found in Dead Creek.

In May 2000, the USEPA issued a Unilateral Administrative Order (UAO) for remediating the remaining five river segments along with Site M, a backwater area hydraulically connected to Dead Creek and historically used as a sand borrow pit. The UAO required that 50,000 cy of contaminated sediment and soil be removed from Segments B thru F of the creek, select bank and floodplain areas, and Site M as a time-critical removal action (TCRA). Solutia volunteered to implement the remedy.

The remedy was completed in 2002 and included by-passing creek flow to below the affected creek sectors and removal of about 50,000 cy of sediment and select floodplain and bank soils by dry excavation. The sediment was dewatered using solidification, gravity dewatering, or both, and disposed in a new onsite RCRA-compliant containment cell located adjacent to the creek. Sediment removal began near the end of May 2001, and prior to starting construction of the containment cell. Dewatered sediment was stockpiled on-site until it could be disposed of in the containment cell. The removal was estimated to cost between \$2.0 and \$2.5 million (actual cost not yet obtained).

Remedial Action Planned: ☒

Risk Assessment: ☐

Remedial Action Implemented: ☐

Status of Dredging ☐

PRPs: ☒

Contacts: ☒

References: ☒

Modeling: ☐

GENERAL SITE INFORMATION, CHARACTERISTICS, AND STATUS

<i>Project Name</i>	<i><u>SAUGET AREA 1 (Dead Creek)</u></i>	<i>ProjectID:</i> 05-35
<i>Last Updated:</i>	09/01/04	
<i>Fishing Advisory:</i>	<input type="checkbox"/>	
<i>Key Conditions:</i>	dedicated landfill or CDF, floodplains targeted, solidification/stabilization	

REMEDIAL ACTION PLANNED

Project Name	<u>SAUGET AREA 1 (Dead Creek)</u>	ProjectID: 05-35
Last Updated:	05/30/01	
Target Sediment Cleanup Standards (TSCS):	<p>None established. Removal in CS-B and Site M requires removal of one foot of material. Sediment removed from CS-C, -D, and -E shall be defined by the following criteria and procedure (Source: Reference A-624):</p> <ul style="list-style-type: none">• “Four objective criteria shall be used to identify “sediment” subject to removal, as follows: criteria (i)-(iii) shall be employed to make the determination in the first instance; if application of these criteria are not determinant, then criteria (iv) shall be used. The EPA shall have the authority to require the use of criteria (iv) at any time during the project. However, in any case, criteria (iv) shall be employed every 200 feet as a control on the application of criteria (i)-(iii).”• “The four criteria:<ul style="list-style-type: none">(i) Origin – non-native vs. native sediments(ii) Stratigraphy – sediments/soil boundary(iii) Color – sediment color versus creek bottom soil color(iv) Physical Characteristics:<ul style="list-style-type: none">– Unconfined compressive strength less than 500 pounds per square foot (psf)– Torvane shear strength less than 200 psf– Moisture content greater than the liquid limit– Moisture content greater than 60 percent”	
How TSCS Established:	Unilateral Administrative Order	
Target Bank and Floodplain Cleanup Levels (if applicable):	Refer to "TSCS" field, above.	
Other Target:	NA	
Environmental Sample Data References:	<ul style="list-style-type: none">• Sediment: Reference P-16• Water: Reference P-16• Fish: Reference P-16	
Estimated Target Volume:	50,000 cy of impacted sediment and soil. CS-B includes sediment and creek bed and floodplain soils (~18,500 cy); CS-C, -D, and -E are sediment only (~24,400 cy); and Site M includes sediment and pond bottom soils (~7,000 cy).	
Planned Disposal Method:	In a newly-constructed onsite RCRA-compliant containment cell located adjacent to CS-B.	
Estimated Calendar Time to Implement Remedy:	Spring to Fall 2001	
Estimated Time to Implement Remedy:	6 months	

REMEDIAL ACTION PLANNED

Project Name	<u>SAUGET AREA 1 (Dead Creek)</u>	ProjectID: 05-35
Last Updated:	05/30/01	
Estimated Cost to Implement Remedy:	\$2.0 - 2.5 million	
Stated Remedial Action Objectives (and Source):	<p>(Source: Reference A-624): To eliminate the following conditions described by the National Contingency Plan as they apply to the site:</p> <p>“A) Actual or potential exposure to hazardous substances or pollutants or contaminants by nearby populations or the food chain.”</p> <p>“This condition exists at the Site due to the high levels of organic and inorganic contaminants found in the sediments and surface water of Dead Creek which is located in close proximity to local populations and could potentially be released into residential areas via flood waters caused by the shallow water table in the area and the presence of blocked or inadequately sized culverts. Some of the contaminants in Dead Creek are known carcinogens or suspected carcinogens. Contaminants present in Dead Creek and potentially migrating from Dead Creek via overflow and flood waters to nearby residential areas are accessible to humans, specifically the residents and children who live and play on these potentially affected properties. These individuals could potentially be exposed to the contamination by direct skin contact with the sediments, soils and surface water in or released from Dead Creek.”</p> <p>“B) Weather conditions that may cause hazardous substances or pollutants to migrate or be released.”</p> <p>“This factor is present at the Site due to the fact that high levels of organic and inorganic contaminants are located within the sediments, certain adjacent soils, and surface waters of Dead Creek. This area of St. Clair County is particularly prone to flooding due to a very shallow groundwater table. Stormwater backing up behind culverts exacerbates the flooding conditions in this area.”</p> <p>“C) Availability of other appropriate federal or state response mechanisms to respond to the release.”</p> <p>“The Illinois EPA currently does not have the available funds to respond to this time-critical situation. In addition, EPA is the lead agency for enforcement actions related to the Sauget Area One Site.”</p>	
Measures of Success to be Used:		
Planned Monitoring and Restoration:	Following removal, soil and sediment samples are to be collected from all excavated areas of CS-B, -C, -D, and -E at 100-foot transect intervals starting at the farthest upstream location and ending at the farthest downstream location. A minimum of three samples is required to be collected at each transect, one at the transect center line and one from either side at equal distance to the edge of the excavation. Site M is to be sampled on a 100-foot grid covering the entire removal area. All samples will be extracted using TCLP and analyzed for TCL/TAL parameters and dioxins/furans.	
Agency Position on Sediment Removal (and Source):	Refer to “Stated Remedial Action Objectives” field above.	

POTENTIALLY RESPONSIBLE PARTIES

Project Name SAUGET AREA 1 (Dead Creek)

ProjectID: 05-35

PRP Name: PRP INFORMATION NOT RELEASED

PRPID:

Street Address:

City:

State:

KEY CONTACTS

Project Name SAUGET AREA 1 (Dead Creek)

ProjectID: 05-35

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:

REFERENCES

Project Name SAUGET AREA 1 (Dead Creek)

ProjectID: 05-35

Reference Type: A

ReferenceID: 624

Title: *Unilateral Administrative Order*

Location: AEM

Category: ROD/Proposed Plan/Action Memo/Decision Document

Prepared by/Author: US EPA Region V

Preparer/Author Address: 77 West Jackson Boulevard
Chicago, IL 60604-3590

Prepared For: Solutia, Inc.

Date Published: May 31, 2000

Key Words and Phrases:

Reference Type: A

ReferenceID: 625

Title: *Action Memorandum: Determination of Threat to Public Health, Welfare, or the Environment at the Sauget Area 1 Dead Creek Superfund Site in Sauget and Cahokia, St. Clair County, IL (Site ID# 054V)*

Location: AEM

Category: ROD/Proposed Plan/Action Memo/Decision Document

Prepared by/Author: Kevin Turner, On-Scene Coordinator

Preparer/Author Address: US EPA Region V
Emergency Response Branch, Section 2
77 West Jackson Boulevard
Chicago, IL 60604-3590

Prepared For: William Muno, Director, Superfund Division, USEPA Region V

Date Published: May 31, 2000

Key Words and Phrases:

REFERENCES

Project Name SAUGET AREA 1 (Dead Creek)

ProjectID: 05-35

Reference Type: A
Title: *Alternatives Analysis – CS-B/Site M*
Location: AEM
Category: Contaminated Sediments: Disposal Methods
Prepared by/Author: D. M. Light
Preparer/Author Address: Solutia, Inc.
575 Maryville Centre Drive
St. Louis, MO 63141
Prepared For: Kevin Turner, US EPA Region V
Date Published: November 8, 1999
Key Words and Phrases:

ReferenceID: 626

Reference Type: A
Title: *Draft Revised Alternatives Analysis – CS-B/Site M*
Location: AEM
Category: Contaminated Sediments: Disposal Methods
Prepared by/Author: Solutia, Inc.
Preparer/Author Address: 575 Maryville Centre Drive
St. Louis, MO 63141
Prepared For: US EPA Region V
Date Published: January 5, 2000
Key Words and Phrases:

ReferenceID: 627

Reference Type: A
Title: *Sauget Dead Creek (Area 1) and Sauget & County Landfill (Area 2) Administrative Record (CD-ROM)*
Location: AEM
Category: Miscellaneous
Prepared by/Author: US EPA Region V
Preparer/Author Address: 77 West Jackson Boulevard
Chicago, IL 60604-3590
Prepared For: General Public
Date Published: January 4, 2001
Key Words and Phrases:

ReferenceID: 628

REFERENCES

Project Name SAUGET AREA 1 (Dead Creek)

ProjectID: 05-35

Reference Type: B
Title: *Sauget Area Sites #1 and #2*
Location: AEM
Category: Site Update
Prepared by/Author: US EPA Region V
Preparer/Author Address: 77 West Jackson Boulevard
Chicago, IL 60604-3590
Prepared For: General Public
Date Published: November 13, 1997
Key Words and Phrases:

ReferenceID: 512

Reference Type: B
Title: *Memo re: ARARS Compliance, Sauget TSCA Landfill*
Location: AEM
Category: Contaminated Sediments: Disposal Methods
Prepared by/Author: Steve Johnson
Preparer/Author Address: US EPA Region V
Waste, Pesticides, and Toxics Division
Toxics Program Section
Prepared For: Thomas Martin, Associate Regional Counsel, USEPA
Date Published: February 24, 2000
Key Words and Phrases:

ReferenceID: 513

Reference Type: B
Title: *Fact Sheet: Sauget Area 1 Sampling*
Location: AEM
Category: Site Update
Prepared by/Author: US EPA Region V
Preparer/Author Address: 77 West Jackson Boulevard
Chicago, IL 60604-3590
Prepared For: General Public
Date Published: August 1999
Key Words and Phrases:

ReferenceID: 514

REFERENCES

Project Name SAUGET AREA 1 (Dead Creek)

ProjectID: 05-35

Reference Type: B

ReferenceID: 515

Title: *20 Companies Agree to Investigate Sauget Area 2 Site*

Location: AEM

Category: Site Update

Prepared by/Author: US EPA Region V

Preparer/Author Address: 77 West Jackson Boulevard
Chicago, IL 60604-3590

Prepared For: General Public

Date Published: December 8, 2000

Key Words and Phrases:

Reference Type: B

ReferenceID: 516

Title: *Solutia Must Test, Clean Up Contamination at Sauget Site*

Location: AEM

Category: Site Update

Prepared by/Author: US EPA Region V

Preparer/Author Address: 77 West Jackson Boulevard
Chicago, IL 60604-3590

Prepared For: General Public

Date Published: May 19, 2000

Key Words and Phrases:

Reference Type: B

ReferenceID: 517

Title: *Memo re: Information for Removal Action Memorandum for Sauget Area 2, Site Q, Sauget, St. Clair County, Illinois*

Location: AEM

Category: Risk Assessment

Prepared by/Author: Brenda Jones

Preparer/Author Address: US EPA Region V
77 West Jackson Boulevard
Chicago, IL 60604-3590

Prepared For: Michael McAteer, RPM

Date Published: October 15, 1998

Key Words and Phrases:

REFERENCES

Project Name SAUGET AREA 1 (Dead Creek)

ProjectID: 05-35

Reference Type: B

ReferenceID: 741

Title: *e-mail re: EPA Awards \$50,000 Technical Assistance Grants to Illinois, Michigan Community Groups*

Location: AEM

Category: Site Update

Prepared by/Author: US EPA Region V

**Preparer/Author
Address:**

Prepared For: General Public

Date Published: September 30, 2002

**Key Words and
Phrases:**

Reference Type: B

ReferenceID: 1140

Title: *NPL Fact Sheet for Illinois: Sauget Area 1*

Location: AEM

Category: Site Update

Prepared by/Author: US EPA Region V

**Preparer/Author
Address:**

Prepared For: General Public

Date Published: September 10, 2003

**Key Words and
Phrases:**

Reference Type: B

ReferenceID: 1141

Title: *EPA Orders Cleanup of Sauget Area 1 Dead Creek Site; Work at Sauget Area 2 Site Q Recently Completed*

Location: AEM

Category: Site Update

Prepared by/Author: US EPA Region V

**Preparer/Author
Address:**

Prepared For: General Public

Date Published: June 1, 2000

**Key Words and
Phrases:**

REFERENCES

Project Name SAUGET AREA 1 (Dead Creek)

ProjectID: 05-35

Reference Type: C

ReferenceID: 686

Title: *Sauget 1 PRPs Will Excavate Sediments From Dead Creek Within Months*

Location: AEM

Category: Site Update

Prepared by/Author:

**Preparer/Author
Address:**

Prepared For: Superfund Week

Date Published: June 9, 2000

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 687

Title: *Miscellaneous News – Monsanto and Solutia, Inc.*

Location: AEM

Category: Site Update

Prepared by/Author:

**Preparer/Author
Address:**

Prepared For: HazTECH News

Date Published: June 29, 2000

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 688

Title: *20 Companies Agree to Study Sauget Area 2 Site in Illinois*

Location: AEM

Category: Site Update

Prepared by/Author:

**Preparer/Author
Address:**

Prepared For: Superfund Week

Date Published: December 22, 2000

**Key Words and
Phrases:**

REFERENCES

Project Name SAUGET AREA 1 (Dead Creek)

ProjectID: 05-35

Reference Type: C

ReferenceID: 775

Title: *Site Name: Sauget Area 1*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: September 17, 2001

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 1059

Title: *Consent Decree*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: December 8, 2003

**Key Words and
Phrases:**

Reference Type: P

ReferenceID: 16

Title: *EE/CA and RI/FS Support Sampling Plan – Data Report, Sauget Area 1, Sauget and Cahokia, Illinois*

Location: AEM

Category: Analytical Data

Prepared by/Author: Solutia, Inc.

Preparer/Author St. Louis, MO

Address:

Prepared For: US EPA Region V

Date Published: January 2000

**Key Words and
Phrases:**
