

Substances Pollution Contingency Plan (40 CFR 300), typically referred to as the National Contingency Plan (NCP). The NCP includes provisions for permanent cleanups, known as remedial actions, and other cleanups referred to as "removals."

The general remediation process under CERCLA is specified by the National Contingency Plan and includes: 1) emergency removal to address immediate environmental problems, 2) a remedial investigation/feasibility study (RI/FS) to determine clean up approaches, 3) a Record of Decision (ROD) to document the approach EPA has selected for clean up, and 4) the design, construction, operation, and maintenance of the final cleanup. A key part of each process is community involvement through public meetings and public comment periods.

Below is a list of documents, found in the Blackwell Zinc Administrative Record, which were developed and implemented during the assessment and remediation of the Blackwell Zinc Site. Many of the documents had a community involvement portion associated with them.

- 1) Consent Agreement and Final Order (December 11, 1992)
- 2) Proposed Phase I Groundwater Investigation Project at Blackwell, Oklahoma (August 1991)
- 3) Results of Phase I Groundwater Investigation at Blackwell, Oklahoma (March 1992)
- 4) Proposed Phase II Activities at Blackwell, Oklahoma (July 1992)
- 5) Soil Consolidation Plan Washington School and Beatty-Rodgers Park (April 1993)
- 6) Phase II Report and Expanded Work Plan (March 1993)
- 7) Blackwell Industrial Authority Site Maintenance Plan (May 1993)
- 8) Expanded Groundwater Investigation (June 1993)
- 9) Results of Phase II Expanded Groundwater Investigation (July 1993)
- 10) Results of Soil Screening Activities (December 1993)
- 11) Memorandum of Understanding (April 1994)
- 12) Community Relations Plan (August 1994)
- 13) Results of Expanded Soil Screening Activities (April 1994)
- 14) Site Investigation Work Plan (October 1994)
- 15) Results of Study Area Investigation and Action Alternatives (May 1995)
- 16) Data Report for: Results of Study Area Investigation and Action Alternatives (undated)
- 17) Proposed Plan for the Blackwell Zinc Site (July 10, 1995)
- 18) Record of Decision Document Soil Remediation Unit (April 4, 1996)
- 19) Final Remedial Design Report (May 1997)
- 20) Final Remedial Design Calculations (May 1997)
- 21) Ecological Remediation Proposed Plan (September 1997)
- 22) Ecological Remediation Proposed Plan Transcript of Proceedings (September 1997)
- 23) Focused Feasibility Study Blackwell Zinc Site Groundwater Remediation Unit (January 1998)
- 24) Revised Consolidation Area Grading Plan and B-2 Channel Design, Addendum No. 2 to The Final Remedial Design Report, Blackwell Zinc Site (BZS) Soil Remediation Unit (SRU) (March 13, 1998)
- 25) Ecological Remediation, Record of Decision (April 24, 1998)
- 26) Groundwater Remediation Proposed Plan (August 6, 1998)
- 27) Railroad Spur Remediation Work (December 22, 1998)
- 28) Consent Order #00-160 (June 21, 2000)
- 29) Consent Order #01-012 (March 7, 2001)
- 30) Consent Order #01-267 (March 27, 2001)
- 31) Consent Order #00-160 Addendum (May 2, 2001)
- 32) Memorandum of Agreement and Consent Order for Site Characterize #02-121 (March 29, 2002)
- 33) Consent Order #01-267 Addendum 2 (April 1, 2002)
- 34) Consent Order #01-267 Addendum 3 (September 4, 2002)
- 35) First Five-Year Review Report for The Blackwell Zinc Site Soil Remediation Unit (April 22, 2003)
- 36) Consent Order #01-267 Addendum 4 (May 22, 2003)
- 37) Revised Proposed Plan for the Groundwater Remediation Unit (June 16, 2003)
- 38) Groundwater Remediation Unit, Record of Decision (August 15, 2003)
- 39) Supplemental Baseline Risk Assessment Groundwater Risk Evaluation (August 6, 2003)

- 40) Shallow Soil Investigation Report, Former Right of Way and 27-Acre Tract (October 15, 2003)
- 41) Shallow Soil Investigation Report, Former Switching Yard (May 22, 2003)
- 42) Supplemental Shallow Soil Investigation Report, Former Right of Way, 27-Acre Tract, and Switching yard (January 27, 2005)
- 43) Final Shallow Soil Remedial Action Work Plan Former Right-of-Way, 27-Acres, and Switching Yard (November 2, 2005)
- 44) Remedial Design Report Groundwater Remediation Unit (April 2006)
- 45) Sampling and Analysis Plan Phase II Environmental Assessment of a 20-Acre Site (April 2007)
- 46) Remedial Action Plan for Two Blackwell Public Schools (November 8, 2007)
- 47) Blackwell Industrial Park/Legion Park Tributary Surface Water and Sediment Sampling and Analysis Plan (March 28, 2008)
- 48) Second Five-Year Review Report for The Blackwell Zinc Site Soil Remediation Unit (April 2008)
- 49) Quality Assurance Project Plan Supplemental Soil Program (July 2008)
- 50) Supplemental Soil Sampling and Analysis Plan Property Sampling (August 2008)
- 51) Remedial Action Work Plan Supplemental Soil Program (August 2008)

Below is a list of the Public Meetings held during the Blackwell Zinc Project. Typically these meeting were held in conjunction with a public notice and/or a public comment period. Additionally, during the current sampling and remediation program Freeport has opened a community outreach center, where individuals can obtain project information.

Blackwell Zinc Meetings 1994-2009			
* = Public Meetings			
Date	Type of Meeting	Information Sources	Topic/General Overview
1992			
6/18	BIA (Blackwell Industrial Authority)	Blackwell Journal-Tribune (Article)	The BIA looked at the approval to sell 2 properties within the old Smelter site pending environmental survey
6/23	BIA (Blackwell Industrial Authority)	Blackwell Journal-Tribune (Article)	The BIA is closer to the possibility of getting a Enterprise Zone Designation for the Industrial Park
8/20	BIA (Blackwell Industrial Authority)	Blackwell Journal-Tribune (Article)	Weldex signed an indemnification agreement that excluded them from any financial liability, pending the EPA's sampling results, surrounding any current or future need for remediation of property they wanted to purchase
10/20	Public*	Blackwell Journal-Tribune (Article)	State Health Dept., AMAX, residents, and City Commissioners met to discuss sampling result indicating lead contamination at two elementary schools, and the possible remediation activities
11/19	Blackwell City Commission*	Blackwell Journal-Tribune (Article)	(Open to the Public) The City Commission signed a consent agreement with the Oklahoma State Dept. of Health over the investigation of soil contamination at several schools and a park
1993			

8/11	Blackwell Environmental Steering Committee	Blackwell Journal-Tribune (Article) 1993	Update on lead continuation given by Oklahoma State Health Dept., determined zinc had greatest concentration in the Ferguson Area but not in BIA region, and that the contamination was discovered by the presence of elevated levels of cadmium and zinc in the sewer system and ground water.
7/20	Public*	Blackwell Journal (Announcement & Article)	Monty Elder from DEQ explained how 97% of 143 Blackwell School Children tested negative for elevated lead levels, however there was still concern over 4 who tested positive and the elevated lead levels at Washington Grade School and Rodgers Park, which was undergoing remediation.
1994			
1/12	Public*	Blackwell Journal (Announcement & Article)	Monty Elder from DEQ explain how more testing will take place in several 'hot' spots within the city using an XRF (X-ray Florescent Sampler). The hot spots were determined by earlier lead and cadmium testing carried out by Mintech
3/26	Public*	Blackwell Journal-Tribune (Announcement)	A meeting with Mintech, DEQ, the City Commission, and the public
5/4	Public*	Blackwell Journal-Tribune (Announcement)	Discuss EPA decision on the Blackwell zinc smelter project and the remediation time table
1995			
3/24	Public*	Blackwell Journal-Tribune (Announcement)	The DEQ, Cyprus Amax, and Mintech Inc. met with public to discuss the human health risk study that was underway.
7/20	Public*	Blackwell Journal-Tribune (Announcement)	The Blackwell Lead Steering Committee along with DEQ met with citizens to discuss the progress of and the plan in place for the remediation of the Zinc smelter site.
11/15	BIA (Blackwell Industrial Authority)	Blackwell Journal (Article & Announcement)	The BIA met in regular session to discuss plans to move forward with remediation and the possible ways to redevelop the site/ industrial park, pending the approval of the Record of Decision sent in by DEQ to the EPA
1996			

3/13	BIA (Blackwell Industrial Authority)	Blackwell Journal-Tribune (Announcement)	General business meeting including discussions over the reimbursement of Cyprus-Amax for storage cleanup at the smelter site
5/1	Public*	Blackwell Journal (Article)	DEQ held a meeting to present an updated and finalized decision plans for soil remediation in Blackwell with the EPA and Cyprus-Amax attending
5/22	Blackwell City Commission	Blackwell Journal-Tribune (Article)	City leaders met and decided on city issues, including the motion to apply for a grant through the EPA and the Economical Development Association to study and analyze the Blackwell Zinc site and determine its future for industrial use.
7/3	Blackwell City Commission	Blackwell Journal-Tribune (Article)	City Commissioners sought to update their master plan for redevelopment in the industrial park which included possibly taking sections of land already cleaned and building new industry while the rest of the contamination is being removed from surrounding areas. In addition they discussed the use of the rail line that runs along of west side of the smelter site
8/30	BIA (Blackwell Industrial Authority)/City Commission	Blackwell Journal-Tribune (Article)	A joint meeting to review plans for the industrial park including the use of a city wide logo and the building of infrastructure
11/20	Public*	Blackwell Journal-Tribune (Article)	Representatives from DEQ and Cyprus-Amax attended a meeting in which an industrial redevelopment plan was presented to the public, demonstrating guidelines for further development of the industrial park and promoting future industrial land uses and development that protects human health and the environment.
Date	Type of Meeting	Information Sources	Topic/General Overview
1997			

2/6	Public*	Blackwell Journal-Tribune (Article)	Monty Elders from DEQ along with environmental engineers discussed the progress of sampling in and around the smelter site which is home to the industrial park. They also discussed notification of businesses and residents in the event there was any danger or there was a need to remove soil from their property. A final draft of the remediation project was to be given some weeks later in further public meetings.
3/20	Public*	Blackwell Journal-Tribune (Article)	A collection of environmentalist along with the BIA, city officials, industrial property owners and citizens conversed over the cleanup and future development of the smelter site and the need for growth within the industrial park and improvements, both aesthetically and functionally, in and around the smelter site/industrial park.
5/21	Blackwell City Commission* 1997	Blackwell Journal-Tribune (Article)	(open to the public) City commissioners approve of a <u>plan</u> of notifying residence of the option to either <u>sell</u> their property or allow for the <u>inspection</u> , and if necessary, the removal and replacement of top soil at no cost.
9/30	Public*	Blackwell Journal (Announcement & Article)	Monty Elder (DEQ) along with others updated citizens on the progress of sampling and presented a 3 part cleanup plan. Further they discussed how lead contamination may or may not affect wildlife on the old smelter site and within/around the Legion Park Tributary that runs through the site to the Chikaskia River.
1998			
1/15	BIA (Blackwell Industrial Authority)	Blackwell Journal-Tribune (Article)	A general business meeting which included the discussion of soil remediation and legalities surrounding access to the site and other arrangements (rail use/access)

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2/19	Public*	Blackwell Journal (Announcement & Article)	Monty Elder (DEQ) updates the public on the Ecological Remediation Plan which was to be implemented that summer and answers question over concerns pertaining to the cleanup of several tributaries in the city and the state of the Chikaskia River.
3/19	Public*	Blackwell Journal-Tribune (Article)	A discussion over the soil remediation unit of the site cleanup plan
5/20	Public*	Blackwell Journal-Tribune (Article)	A discussion led by officials from DEQ over ecological remediation and a groundwater proposal
7/31	Public*	Blackwell Journal-Tribune (Article)	DEQ calls meeting to present proposed plan that will address contaminated shallow groundwater in Blackwell.
1999			
2/17	Blackwell Municipal Authority	City Administration (Agenda)	City officials met on several issues including a motion to convene executive session to discussing settlement negotiations concerning the groundwater remediation unit of the environmental cleanup plan.
2002			
11/7	Public*	DEQ, Blackwell Journal (Outline & Article)	An informational session led by DEQ that included topics on soil remediation, groundwater investigations, and other general matters in relation to the Zinc Smelter site.
2003			
5/29	Public*	Blackwell Journal-Tribune (Article)	A public hearing led by DEQ on ground water issues, specifically the cadmium and zinc contaminated groundwater plume under a large part of Blackwell, and the methods of remediation.
7/11	Public*	Blackwell Journal-Tribune (Article)	DEQ held a public hearing on the contamination plume under Blackwell and the possibility of using a natural method of remediation.
2004			
1/6	Blackwell City Commission*	Blackwell Journal-Tribune (Article)	(open to the public) City officials met to discuss several proposals on methods of groundwater remediation as well as to adopt an ordinance that prohibited groundwater access, including by way of both private and commercial wells.

2005			
1/6	Real Estate Community Luncheon	DEQ (Agenda)	A meeting summarizing history of cleanup in Blackwell and examining the various documents and steps taken or that will be taken to complete the remediation process.
2006			
10/4	Public*	The Ponca City News (Article)	Monty Elder (DEQ) shared some history as well as updated information about the groundwater and soil contamination in Blackwell.
2007			
4/10	Open House*	Sara Downard (DEQ)	Phelps Dodge with DEQ as guest opened their doors to the Blackwell community to discuss their voluntary soil sampling program and to inform property owners how they can be a part of this program. In addition, they provided further information about the Zinc Smelter site, its history, the groundwater remediation, and future development of the site/industrial park.
6/25 & 29	Public*	Sara Downard (DEQ)	DEQ along with the Oklahoma State Dept. of Health held a hearing on issues surrounding the investigation and cleanup of the Zinc Smelter site and to address other questions from residents.
2009			
7/16	Public *	Sara Downard (DEQ)	Freeport and DEQ held a public meeting to discuss the Groundwater Remedy and the beginning of construction
	Total:39, 26 Public	13 Closed Door	