

US EPA ARCHIVE DOCUMENT

EPA representatives Kristi Rae and Linda Gumpert arrived on site accompanied by 10 Dorcas Place students (Welfare-to-Work program). OSC Bzenas discussed the site history with the students, and conducted a brief site tour.

The regularly scheduled MAC meeting was held.

Week of 12 July 1999

Both ERRS/WESTON-START sampling teams continued subsurface soil sampling, utilizing hand augers. No Geoprobe sampling was conducted this week. Additional sampling points were located, marked, and sampled in the area north of the Centredale Manor auxiliary parking lot. In addition, several sampling points located on the NEC greenway were sampled. The OSC provided one fragment of pipe sample for asbestos analysis at the EPA New England Regional Laboratory (NERL). The ERRS crew resumed cedar picket fence installation on Centredale Manor property.

WESTON-START member Julie Geissler arrived on site and provided support in the sample management group. One ERRS SC was dedicated to management of data from sampling, at an off-site location.

Rhode Island State Senator John Celona arrived on site and met with local news media.

Week of 19 July 1999

Geoprobe sampling resumed and was completed on the Brook Village property. As of the week of 19 July, all surface and subsurface soil sampling was completed on the Centredale Manor and Brook Village properties. A total of 562 soil and 267 Quality Assurance/Quality Control (QA/QC) samples were collected from this section of the site. In addition, sediment sampling was conducted at the Allendale Dam by an ERRS subcontractor, Geologic, Inc. A total of 24 sediment and 21 QA/QC samples were collected adjacent to the dam. Upon the completion of sampling at Allendale Dam and at Brook Village, both ERRS/WESTON sampling teams began sampling residential properties. OSC Bzenas and SL Wynnyk identified specific soil sampling locations for the sampling teams. The ERRS crew completed cedar picket fence installation on the Centredale Manor property.

WESTON-START member Lincourt arrived on site and added additional sampling points to the GIS/GPS data file.

Two GEC representatives, Julie Boyd and Sam Butcher, arrived on site and met with OSC Bzenas.

EPA Community Involvement Coordinator Bonarrigo arrived on site and met with OSC Bzenas.

EPA representative Kristi Rae, accompanied by 14 Dorcas Place students, arrived on site and met with OSC Bzenas.

The regularly scheduled MAC meeting was held.

Week of 26 July 1999

The ERRS/WESTON-START sample teams continued residential property soil sampling. The ERRS crew began to clear and grub a proposed fence line on residential properties, starting at the northernmost residential property (41 Steere Street), and working southwards toward the Allendale Dam. Cosco, Inc., arrived on site and began the installation of a 5-foot tall chain-link fence on sections of the Centredale Manor property.

EPA Section Chief Steve Novick; Remedial Branch RPM Anna Krasko; and Remedial Branch members Robert Willey, Cornell Rosiu and EPA Team Leader (TL) Dick Boynton arrived on site and met with OSC Bzenas.

Providence Journal photographer, Bob Breidenbach, arrived on site and met with OSC Bzenas.

Week of 2 August 1999

One ERRS/WESTON-START sampling team continued residential property soil sampling. Due to the diminishing number of sampling locations, the second ERRS/WESTON-START sampling team was demobilized from the site. In addition, certain field support personnel involved with sample management and shipping were demobilized from the site. The ERRS crew continued the clearing and grubbing of the proposed fence line. Cosco, Inc., began installing a 5-foot tall chain-link fence on residential properties.

EPA Engineer Peter Kahn arrived on site, and met with OSC Bzenas, SL Wynnyk, and EPA Community Involvement Coordinator Angela Bonarrigo. Indoor air screening was performed in the utility room areas of the Centredale Manor and Brook Village apartment buildings. Four indoor air samples and one soil gas sample were collected by WESTON-START and EPA personnel. WESTON-START members Gayle Gleichauf and Greg Rotondi mobilized a Photovac 10S70 Gas Chromatograph (GC) and provided on-site field screening of indoor air samples.

WESTON-START members Gleichauf and Rotondi analyzed the air samples collected for volatile organic compounds (VOC) (specifically benzene; trichloroethene; toluene; tetrachloroethene; chlorobenzene; ethylbenzene; meta-, ortho-, and para- xylenes; styrene; 1,2-dichlorobenzene; 1,3-dichlorobenzene; and 1,4-dichlorobenzene). Results of the WESTON-START indoor air field screening are located in the site file, and titled *Volatile Organic Compounds Screening Data Memorandum, 23 August 1999*. In addition to the on-site screening, EPA member Kahn collected four indoor air samples for analyses at NERL.

EPA TL Dick Boynton and EPA Community Involvement Coordinator Angela Bonarrigo met with OSC Bzenas. The OSC received the results from NERL regarding asbestos analyses of the pipe fragment. The fragment contained chrysotile (30%) and crocidolite (2%) asbestos. OSC Bzenas reported the results to the NEC environmental engineer, Karen Connor, and they discussed a tentative date for disposal by the NEC asbestos disposal contractor.

Providence Journal reporter, Michael Maynard, arrived on site and met with EPA Community Involvement Coordinator Bonarrigo.

EPA Health and Safety Officer (HSO) Robert Hinten and EPA intern Sylvia Kirsch arrived on site and met with OSC Bzenas.

Dorcas Place counselor, B. Bead, arrived on site with 10 students, and met briefly with OSC Bzenas and SL Wynnyk.

The regularly scheduled MAC meeting was held.

Week of 9 August 1999

On 13 August, residential property soil sampling was completed. A total of 68 soil and 31 QA/QC samples were collected. In addition, a total of eight samples were collected from the decontamination water and wash-water holding tanks for disposal analyses. The ERRS crew continued to clear and grub the proposed fence line in the residential areas. The crew also replaced several warning signs and wooden posts that were previously removed by vandals. All remaining wooden posts were reinforced by placing additional concrete to the base of each post, and each warning sign was covered with "Clear-Coat", a spray-on lacquer, to deter graffiti artists. Cosco, Inc., was not on site this week.

EPA RPM Anna Krasko, EPA members Amy Hoyt and Paul Spina, Tetrattech representatives Tim Dorgan, Steve Parker, and Glen Glennon, and IT representatives Michael Quinlan, Steve McGinn, and Eric Anderson arrived on site and met with OSC Bzenas to discuss data management issues. WESTON-START members Thomas Campbell and SL Wynnyk were also present at this meeting.

EPA Division Director Patricia Meaney arrived on site and met with OSC Bzenas and TL Boynton.

Week of 16 August 1999

The ERRS crew completed reinforcing and restoring all warning signs, and performed maintenance (where needed) on the high visibility fence. WESTON-START member Lincourt arrived on site and added 15 additional residential sampling points to the site GIS/GPS data file. General site housekeeping was performed, and the site was prepared for a partial demobilization, at the request of OSC Bzenas. Cosco, Inc., was not on site this week.

EPA TL Boynton, EPA Community Involvement Coordinator Bonarrigo, and EPA Headquarters Removal Program representative Arthur Johnson arrived on site and met with OSC Bzenas.

The ERRS crew was demobilized from the site on 18 August. Site security coverage was increased to 24 hours per day.

The regularly scheduled MAC meeting was held.

Week of 23 August 1999

On 23 August, the ERRS crew consisting of the RM, one FM, and one RT was remobilized to the site. The crew began clearing all vegetation in the area south of the Centredale Manor apartment

building in preparation for the construction of Interim Cap No. 1. This area is approximately 3 acres, with uneven terrain and heavy vegetative undergrowth. Cosco, Inc., continued with chain-link fence installation on residential properties adjacent to Allendale Pond.

RM Blodgett and IT Professional Engineer (PE) Larry Nesbitt conducted a bid walk for a site engineering survey.

ACOE members Mark Otis and Tim Beauchemin arrived on site and met with OSC Bzenas.

Week of 30 August 1999

The ERRS crew continued clearing the wooded portion of the site where Interim Cap No. 1 would be constructed. A Bandit Model 250 X Wood Chipper, and a Volvo Model ZL 402C Front End Loader were delivered and staged on site. Cosco, Inc., continued fence installation along the residential properties adjacent to Allendale Pond.

WESTON-START Chemist Gleichauf provided OSC Bzenas with the final copy of the *Volatile Organic Compounds Screening Data Memorandum*.

The regularly scheduled MAC meeting was held.

Week of 6 September 1999

The ERRS crew continued clearing the wooded portion of the site where Interim Cap No. 1 would be constructed. The crew expanded to include one FM and five RTs. On 9 and 10 September, site activities were impacted by inclement weather. Cosco, Inc., continued fence installation on residential properties adjacent to Allendale Pond.

The regularly scheduled MAC meeting was held.

For the remainder of the report, site activities will be separated for the EPA Remedial Branch where appropriate.

EPA REMEDIAL BRANCH ACTIVITIES

United States Geologic Survey (USGS) personnel were on site. The USGS prepared and installed approximately 165 vapor diffusion samplers in the Woonasquatucket River and sections of adjacent wetlands.

Week of 13 September 1999

The ERRS crew continued clearing the wooded portion of the site where Interim Cap No. 1 would be constructed. Cosco, Inc., completed installation of a temporary chain-link fence on the Centredale Manor property, adjacent to the proposed location of Interim Cap No. 1. The fence subcontractors began to install chain-link fence on a section of the NEC greenway.

Two surveyors from Guerrier and Halnon, Inc. (G & H), an ERRS subcontractor, began an engineering survey of the site.

On 13 September, an Action Memorandum Addendum was signed by the Director of the Office of Site Remediation and Restoration. The Addendum authorized a change in scope and additional funds for the removal action at the site (see Appendix C).

On 15 and 16 September, the ERRS crew prepared the site to withstand the heavy winds and rains forecast for Hurricane Floyd. Hay bales were staged and anchored in areas that were prone to flooding.

On 14 September, Tod Chase and Bob Ricard, from the WESTON Manchester, New Hampshire (WESTON MNH) Corporate office, conducted an engineering survey of the Interim Cap No. 1 area. This survey would be incorporated into a Design Plan and Scope of Work Plan for Interim Cap No. 1.

EPA RPM Anna Krasko arrived on site and met with OSC Bzenas.

EPA Section Chief Steve Novick, EPA Enforcement Coordinator Sharon Fennelly, EPA Attorney Catherine Garypie, EPA RPM Anna Krasko, and EPA Community Involvement Coordinator Angela Bonarrigo arrived on site and met with OSC Bzenas.

On 16 September, OSC Bzenas, EPA Enforcement Coordinator Sharon Fennelly, and EPA Community Involvement Coordinator Bonarrigo conducted separate meetings with the residents of Brook Village and Centredale Manor.

The regularly scheduled MAC meeting was held.

Week of 20 September 1999

The ERRS crew continued clearing the wooded portion of the site for Interim Cap No. 1 construction. The crew included one FM and five RTs. Cosco, Inc., completed installation of fence gates on the chain-link fences on the Centredale Manor and NEC properties.

EPA TL Boynton and EPA Community Involvement Coordinator Bonarrigo arrived on site, and met with OSC Bzenas.

On 22 September, SL Wynnyk attended the MAC meeting.

EPA REMEDIAL ACTIVITIES

USGS members Forrest Lyford, Peter Church and Pat Craft arrived on site, and retrieved approximately 150 vapor diffusion samplers. Several samples had been swept away during high water levels due to Hurricane Floyd. EPA NERL chemist Scott Clifford staged the EPA Mobile Laboratory on site, and conducted GC analyses on the retrieved samples. Two members from NUS/Tetrattech arrived on site.

Week of 27 September 1999

The ERRS crew continued clearing and grubbing for construction of Interim Cap No. 1. Clean fill delivery for Interim Cap No. 1 commenced this week. A bulldozer was delivered to the site for construction and grading activities. A total of approximately 407 tons of fill were delivered this week for the base layer of Interim Cap No. 1.

The ERRS crew expanded to include one FM, six RTs, and two SCs. In addition, two WESTON-START members, Mark Neira and Bob Shoemaker, arrived on site. An ERRS/WESTON-START sampling team was assembled to initiate soil/sediment sampling in the Allendale Pond and its floodplain. The sampling team consisted of one SC, two RTs, and the two WESTON-START members. The team surveyed and located 35 sampling points in Allendale Pond and its floodplain. After all the sample points were marked, soil and sediment sampling commenced.

ACOE representatives, Maryellen Iorio and Tim Beauchemin, visited the site and met with OSC Bzenas:

RI DEM representatives Gary Waldeck, Matt DiStefano, and Gary Barder arrived on site, and met with OSC Bzenas.

Week of 4 October 1999

The ERRS crew completed clearing and grubbing the proposed construction area for Interim Cap No. 1. WESTON-MNH submitted a draft design for Interim Cap No. 1 to OSC Bzenas. A replacement bulldozer was mobilized. The bulldozer was equipped with a closed cab and low-tracks designed for use on soft ground areas. This low-track bulldozer replaced the standard bulldozer, which was demobilized from the site. Delivery of clean fill continued, with a total of 2,483 tons delivered to the site this week. The North Providence Police Department provided an officer for traffic control for the duration of fill deliveries.

In addition, the ERRS crew began to clear brush and trees along the eastern riverbank of the Woonasquatucket River in the proposed location of Interim Cap No. 2. The ERRS/WESTON-START sampling team completed all sampling, with a total of 43 soil/sediment and 22 QA/QC samples collected. WESTON-START member Daniel Muzrall arrived on site, and conducted a GIS/GPS survey of the 35 sample points located in Allendale Pond and the floodplain.

WESTON-START SL Wynnyk conducted real time air monitoring in the vicinity of the Brook Village apartment building. This was in response to a request from the building manager, Doreen Glasgow, regarding potential odors generated from a plating facility located on the Johnston, RI side of the Woonasquatucket River. Air monitoring results indicated a few sporadic readings above background, with no sustained elevated levels above background.

The regularly scheduled MAC meeting was held.

Week of 11 October 1999

The ERRS crew continued to clear brush and trees along the eastern riverbank. Delivery of clean fill material for Interim Cap No. 1 continued, with a total of 1,775 tons delivered this week. A tub grinder, used for chipping large tree trunks and branches, was delivered and used on site for one day. All remaining tree trunks and limbs were chipped. The ERRS crew installed a section of high visibility fence adjacent to the footpath to Allendale Dam, to limit trespassing activities.

OSC Bzenas and SL Wynnyk distributed informational flyers, regarding an on-site "Open House" being held on 21 October, to all residences located on the following streets: Steere Avenue; Grover Street; Redfern Street; George Street; Stevens Street; Aldrich Street; Centredale Avenue; and Woonasquatucket Avenue. In addition, flyers were left with Doreen Glasgow, Anne Vaccaro, and James Taylor, for distribution at Brook Village, Centredale Manor, and the Mill at Allendale, respectively.

Three senior regional representatives from ATSDR, Louise House, Bill Sweet, and Juan Reyes, arrived on site and met with OSC Bzenas.

Mr. Nabor, a residential property owner, arrived on site and met with OSC Bzenas.

Week of 18 October 1999

The ERRS crew completed spreading and grading clean fill for the base layer of Interim Cap No. 1. A vibratory drum-roller and second bulldozer were delivered to the site. The crew began installing the geotextile liner and stitching the overlapping edges together. Clean fill for use in covering the geotextile liner was spread and graded this week. A total of 3,627 tons of fill were delivered to the site this week.

Fifty bilingual "Caution" signs, in English and Spanish, were delivered to the site. These signs were to be installed on sections of the chain-link and cedar fencing at a time specified by OSC Bzenas.

RI DEM representative Jill Eastman arrived on site, and met with OSC Bzenas. Also, RI DEM member Bob Fortiche visited the site to investigate a sewage odor complaint, and met with the OSC.

EPA Section Chief Steve Novick and EPA OSC Frank Gardner visited the site and met with OSC Bzenas.

RPM Krasko and NUS/Tetrattech representative Steve Parker arrived on site and met with OSC Bzenas.

Mrs. Jacqueline Rehel, a local property owner, visited the site and spoke with the OSC.

OSC Bzenas initiated and held an "Open House" at the site. Attending and presenting information were EPA OSC Ted Bzenas, EPA Community Involvement Coordinator Angela Bonarrigo, EPA Enforcement Attorney Catherine Garypie, ATSDR representative Louise House, North Providence Mayor Ralph Mollis, Rhode Island State Senator John Celona, RI DEM representative Gary

Waldeck, URT representative Eugenia Marks, and RI DOH representative Dr. Bob Vanderslice. Approximately 15 to 20 residents attended the "Open House", in addition to media from television stations Channel 6 and 12.

The regularly scheduled MAC meeting was held.

EPA REMEDIAL ACTIVITIES

NUS/Tetrattech, Inc. initiated field activities. Sediment and groundwater sampling was conducted from Allendale Pond to Lymansville Pond over the next several weeks.

Week of 25 October 1999

The ERRS crew completed the installation of the geotextile liner on Interim Cap No 1. Final soil cover deliveries continued, with a total of 6,522 tons of fill delivered to the site this week. The total amount of fill delivered and used in Cap No. 1 was approximately 15,000 tons. The ERRS crew began preparing the perimeter of Interim Cap No. 1 for the installation of erosion matting, and rip-rap stone. In addition, ERRS crew members began clearing small trees and brush from the eastern riverbank adjacent to the command post trailers, in preparation for geotextile liner installation.

EPA RPM Krasko and EPA representative Cornell Rosiu arrived on site, and met with OSC Bzenas.

EPA REMEDIAL ACTIVITIES

NUS/Tetrattech personnel continued field activities.

Week of 1 November 1999

The ERRS crew continued to prepare the perimeter of Interim Cap No. 1 for the installation of erosion matting. Loam (topsoil) deliveries commenced this week, with a total of 702 tons delivered for use on Interim Cap No. 1. The crew began receiving and distributing clean fill for Interim Cap No. 2. The amount of fill delivered for Cap No. 2 was 1,517 tons this week. In addition, ERRS personnel began to install geotextile liner along the eastern riverbank, west of the command post office trailers. An ERRS/WESTON-START sampling crew, consisting of one SC, two RTs, and SL Wynnyk, collected 18 soil and 10 QA/QC samples from a section of riverbank on the Brook Village property.

Cyn Environmental Inc. arrived on site, and pumped and transported approximately 700 gallons of site decontamination water to the EPA-approved disposal facility, Northland Environmental Facility, located in Providence, RI.

EPA TL Boynton visited the site.

The regularly scheduled MAC meeting was held.

EPA REMEDIAL ACTIVITIES

NUS/Tetratech personnel continued field activities. EPA RPM Krasko and NUS/Tetratech representatives Parker and Guzman visited the site.

Week of 8 November 1999

The ERRS crew completed the installation of erosion matting along the perimeter of Interim Cap No. 1. The distribution of loam in Interim Cap No. 1 was also completed. A total of 1,920 tons of loam was used for Interim Cap No. 1. The RM conducted a site bid walk for hydroseeding. A yolk rake was delivered to the site, and was used to groom the loam prior to hydroseeding. The ERRS crew began to install rip-rap stone along the eastern riverbank, extending north from Interim Cap No. 1 to the existing rip-rap at the Brook Village apartment building. The crew continued the distribution and compaction of base fill in Interim Cap No. 2, with 400 tons delivered this week. In addition, bilingual warning signs were installed on the chain-link fencing located on the NEC greenway and along fencing adjacent to Allendale Pond.

EPA REMEDIAL ACTIVITIES

NUS/Tetratech personnel continued field activities.

Week of 15 November 1999

The ERRS crew continued to install geotextile liner and rip-rap stone along the eastern riverbank of the Woonasquatucket River. Shalvey Landscaping crew hydroseeded Interim Cap No. 1. The hydroseeding activity completed the scope of work for Interim Cap No. 1. The crew continued the distribution of base fill in Interim Cap No. 2, with 1,097 tons delivered this week. The soil base layer was compacted on an as-needed basis. Cosco, Inc. began to install chain-link fencing adjacent to Allendale Dam, to restrict trespassing at the dam. WESTON-START member Daniel Muzrall visited the site, and added additional soil sampling points to the GIS/GPS data file.

EPA Community Involvement Coordinator Bonarrigo visited the site, and met with interim OSC Gardner who was substituting for OSC Bzenas.

Narragansett Bay Commission (NBC) representative Steve Lallo visited the site, and met with SL Wynnyk and RM Blodgett.

EPA REMEDIAL ACTIVITIES

NUS/Tetratech personnel continued field activities.

Week of 22 November 1999

The ERRS crew continued to install geotextile liner and rip-rap stone along the eastern riverbank. ERRS Engineer Steve McGinn arrived on site, and surveyed grade elevations in Interim Cap No. 2. The crew began installing geotextile liner after the grade elevations in Interim Cap No. 2 were surveyed.

EPA Community Involvement Coordinator Bonarrigo arrived on site, and met with OSC Bzenas.

Week of 29 November 1999

The ERRS crew cleared several trees that were impeding the placement of rip-rap stone on the eastern riverbank, and continued with the installation of geotextile liner and rip-rap stone on the riverbank and in the Interim Cap No. 2 area. In addition, the crew began constructing a drainage channel to control stormwater runoff in Interim Cap No. 2. This drainage channel is approximately 4 feet wide and 250 feet long. Silt fence and hay bales were delivered to the site, for use in securing Interim Cap No. 2 for the winter months. Also, approximately 1,100 gallons of wash-water were pumped and discharged to a storm sewer under the direct supervision of NBC representative Gary Smith.

G & H submitted a draft version of the final site engineering survey to RM Blodgett.

EPA Community Involvement Coordinator Bonarrigo, and ACOE members Beauchemin and Lampara, arrived on site and met with OSC Bzenas.

The regularly scheduled MAC meeting was held.

Week of 6 December 1999

The ERRS crew continued constructing the drainage channel in Interim Cap No. 2., and completed installing geotextile liner in the Interim Cap No. 2 area. Additional clean fill for winter cover was distributed and compacted in the area of Interim Cap No. 2. The total amount of fill used in the partial construction of Interim Cap No. 2 was approximately 3,520 tons. The crew installed and anchored silt fence and hay bales along the eastern riverbank located in Interim Cap No. 2. Minor maintenance was performed on the existing sections of cedar fence on the Brook Village property. The ERRS crew installed sections of cedar fence on the eastern riverbank (at Brook Village), and also in the drainage swale area (Centredale Manor property). This additional cedar fencing was placed in order to restrict public access to portions of Interim Cap Nos. 1 and 2.

A wood chipper, Model 65 Brush Bandit, was delivered and staged on site. The ERRS crew chipped tree branches and tree trunks in Interim Cap No. 2.

Three pieces of equipment, the wood chipper, vibratory drum roller, and the low-track bulldozer, were cleaned and demobilized from the site. The RM began to stage and demobilize field equipment and supplies from the site. Dico Container Company arrived on site and removed one empty rental storage container.

General Chemical Transport Company delivered one 20-yard roll-off container to the site. The ERRS crew loaded all bagged PPE in the roll-off, and the filled container was transported off site to General Chemical, located in Framingham, Massachusetts, for disposal.

A Cosco, Inc. representative visited the site and met with RM Blodgett.

EPA ERT representative Joanne Camacho visited the site and met with OSC Bzenas.

Bill Sgambato, owner of the Yacht Club Beverage Company, visited the site and met with OSC Bzenas.

Week of 13 December 1999

The ERRS crew completed construction of the drainage channel, and secured Interim Cap No. 2 for the winter months. The crew also reinforced several areas of chain-link fencing at the Allendale Dam and at the vacant lot at 550 Woonasquatucket Avenue.

The crew completed demobilizing all site equipment and field supplies. SL Wynnyk demobilized WESTON-START air monitoring equipment, office, and field supplies. The command post and decontamination trailers were packed and demobilized from the site. After several of the on-site trailers were demobilized, the RM and a crew member completed the placement of rip-rap stone on the portion of the eastern riverbank that was previously inaccessible.

The excavator and front-end loader were cleaned and demobilized from the site.

Electrical power and telephone service was discontinued at the site, with the exception of the small office trailer. OSC Bzenas requested that the small office trailer, complete with power and telephone service, remain on site during the winter months. All rental equipment was demobilized, and security service for the site was discontinued.

Dico Container Company arrived on site and removed the remaining rental storage container.

On 15 December, OSC Bzenas, EPA Community Involvement Coordinator Bonariggo, and North Providence Mayor Mollis met with approximately 50 residents of Centredale Manor to discuss recent site activities, including the demobilization. Later that morning, they also met with about 35 residents of Brook Village for the same purpose. That afternoon they attended the MAC meeting.

SL Wynnyk, RM Blodgett, and the remaining ERRS crew departed the site.

The small office trailer was left on site for use during future removal and remedial site activities.

Week of 3 January 2000

On 5 January, OSC Bzenas attended the MAC meeting.

Week of 10 January 2000

U.S. Senator Lincoln Chaffee visited the site with EPA Regional Administrator Mindy Lubber.

Week of 17 January 2000

On 19 January, OSC Bzenas attended the MAC meeting.

OSC Bzenas met with the Centredale Manor and Brook Village building managers.

Week of 7 February 2000

OSC Bzenas visited the site to monitor conditions. No problems were noted.

Week of 14 February 2000

On 16 February, OSC Bzenas attended the MAC meeting.

Week of 28 February 2000

On 1 March, OSC Bzenas attended the MAC meeting. A Channel 12 news reporter with a television camera attended the meeting.

Week of 6 March 2000

OSC Bzenas visited the site to monitor conditions. No problems were noted.

Week of 13 March 2000

On 15 March, OSC Bzenas attended the MAC meeting.

Week of 20 March 2000

OSC Bzenas and North Providence Mayor Mollis met with residents of Centredale Manor and Brook Village to discuss recent site activities.

Week of 27 March 2000

On 29 March, OSC Bzenas attended the MAC meeting and visited the site to monitor conditions. He noted that the fence at the Allendale Dam Bridge needed repair and contacted ERRS to fix it.

Week of 3 April 2000

ERRS mobilized to the site to repair the fence at the Allendale Dam Bridge. ERRS also performed minor maintenance on Interim Soil Cap No. 1 and arranged for Interim Soil Cap No. 1 to be reseeded.

Week of 10 April 2000

On 12 April, EPA issued the Unilateral Administrative Order (UAO) for Removal Action to the responsible parties (RPs) for completion of Interim Soil Cap No. 2 (see Appendix C).

Week of 17 April 2000

OSC Bzenas provided documentation from ACOE to Loureiro Engineering Associated, Inc (LEA), the contractor for the RPs in compliance to the UAO. Documentation included copies of a preliminary plan for the construction of Interim Soil Cap No. 2 as designed by ACOE and a set of specifications for use as guidance to complete the construction.

Week of 24 April 2000

On 26 April, OSC Bzenas attended the MAC meeting and visited the site to monitor site conditions. No problems were noted.

Week of 8 May 2000

OSC Bzenas received a telephone call from the Brook Village building manager concerning leaks in the lawn sprinkler system that may have resulted from the use of heavy equipment at the site. OSC Bzenas made arrangements to have ERRS repair it.

OSC Bzenas and representatives from LEA walked the site and discussed completion of Interim Soil Cap No. 2.

Week of 15 May 2000

LEA mobilized to the site and commenced installation of the Interim Soil Cap No. 2. LEA began construction of a berm that was installed on the western perimeter of the site to prevent erosion of the new cap due to high flood waters. The berm was staked out. Grades for the berm and the drainage swale were surveyed.

Channel 10 TV filmed construction activities.

OSC Bzenas and State Senator Celona met with Brook Village and Centredale Manor residents to discuss current site activities.

RI DEM representative DiStefano visited the site.

Channel 12 television reporters and cameras were on site to interview Centredale Manor residents about the EPA Dioxin Reassessment Report.

Week of 22 May 2000

LEA removed two trees from the site and began constructing the berm using fill. The cap was graded to the designated elevations, and topsoil was placed over a portion of the cap. Heavy rain from Wednesday through Friday prevented further construction activities.

On 24 May, OSC Bzenas attended the MAC meeting and inspected the condition of the fences on site.

Week of 29 May 2000

LEA completed construction of the berm. Layers of stone and rip-rap were placed along the edge of the berm that faced the river. Additional topsoil was placed on the cap.

Week of 5 June 2000

LEA spread and graded topsoil over the cap. Installation of stone in the drainage swale and on top of the berm was initiated. Heavy rain prevented construction activities on Tuesday and Wednesday.

ERRS mobilized to the site with three crew members to repair the damaged lawn sprinkler system and to make minor repairs to the fencing.

On 7 June, OSC Bzenas attended the MAC meeting. OSC Bzenas and RPM Krasko met with residents of Brook Village and Centredale Manor.

Week of 12 June 2000

LEA completed installation of stone in the drainage swale and on top of the berm. LEA completed grading topsoil on the cap, and the topsoil was hydroseeded. At the request of OSC Bzenas, the silt fence was removed, two double swing gates were installed in the fence that surrounds the site, and one additional section of fence was installed at the upstream end of the fence, perpendicular to the river, to restrict access to Interim Soil Cap No. 2.

ACOE member Beauchemin walked the site and inspected LEA construction to date.

OSC Bzenas extended the completion date for LEA construction activities to 21 June 2000 to accommodate delays due to rainy weather.

Week of 19 June 2000

Construction of Interim Soil Cap No. 2 was completed by LEA. OSC Bzenas inspected the completed construction with LEA.

Week of 10 July 2000

The as-built survey of the soil cap was completed. Driveway repairs were completed by a subcontractor to ERRS.

Week of 17 July 2000

The soil cap was hydroseeded again.

Week of 14 August 2000

OSC Bazenias received the final report from LEA, entitled *Completion of Work Report, Centredale Manor Restoration Project Superfund Site, Interim Removal Action, North Providence, Rhode Island (Comm. No. 15RP001)*. The report detailed construction of Interim Soil Cap No. 2.

4.0 FINAL COSTS OF THE REMOVAL ACTION

EPA resources committed under this Removal Action, conducted from 3 May 1999 to 30 September 2000, are summarized below:

Extramural Costs:

ERRS Contractor (through 8/4/00)	\$	1,442,000.00
WESTON-START (5/99 - 4/00)	\$	151,000.00
WESTON-START (5/00 - 9/00)	\$	10,000.00
Total Extramural Costs	\$	1,603,000.00

Intramural Costs:

EPA Regional Personnel	\$	150,000.00
TOTAL REMOVAL PROJECT COSTS	\$	1,753,000.00

Removal Project Ceiling:

Initial Action Memorandum Ceiling	\$	1,602,000.00
Addendum Action Memorandum	\$	2,350,000.00
TOTAL REMOVAL PROJECT CEILING	\$	3,952,000.00