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MEMORANDUM

TO: Centredale Manor Site Assessment File, North Providence, Providence County, Rhode Island. TDD No. 98-06-0017, PCS No. 5366-40, DC No. A-3562

cc: John M. Carlson, U. S. Environmental Protection Agency Response Project Officer
Thomas Condon, U. S. Environmental Protection Agency On-Scene Coordinator

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical Assessment and Response Team (START)

DATE: 25 January 1999

SUBJECT: 21 January 1999 Management Action Committee Meeting

On 21 January 1999, a meeting was conducted at the North Providence Town Hall located on Main Street in North Providence, Providence County, Rhode Island. Present at the meeting were the eight members of the Management Action Committee, which consists of the following representatives: U. S. Environmental Protection Agency (EPA) On-Scene Coordinator (OSC) Thomas Condon, Rhode Island State Senator Celona, North Providence Mayor Mollis, Johnston Mayor Macera, Rhode Island Department of Environmental Management RI (DEM) member Terry Grey, Agency for Toxic Substances and Disease Registry (ATSDR) Risk Assessor Louise House, Department of Health representative Bob Vanderslice, and Urban Rivers Coalition member Eugena Marks. Also present at the meeting were EPA Branch Chief David McIntyre, EPA Emergency Response Team (ERT) members Joanne Camacho and Tim Dehaney, EPA Environmental Studies Division (ESD) member Beth Devry, EPA Community Relations member Christie Ray, Health Department member Helen Drew, WESTON Region 2 Response Engineering and Analytical Contract (REAC) members Amanda Daly and Barry Forsythe, WESTON START member Renata Wynnyk, and several private citizens.

The purpose of this meeting was to discuss the dioxin analytical results found in soil and sediment samples collected during the Centredale Manor Expanded Site Inspection (ESI). Additionally, group concerns and ideas would be addressed. The Management Action Committee will be acting as an advisory board to the EPA, in regards to future site activities.

OSC Condon gave a brief history of EPA involvement with the Centredale Manor ESI and what prompted the latest EPA actions in limiting public access to potentially hazardous areas. At the present time, public access is limited by high visibility fencing, caution tape, and aquatic hazard warning signs (i.e. "Do not eat the fish" signs). Additional signs will be installed with hazard translations in Asian languages. The EPA will continue to maintain a 1-800 Hotline (Woonasquatucket River Hotline) for concerned citizens to call. The Woonasquatucket River Hotline had already received an excess of 500 calls, and is averaging 50 to 60 calls per day.

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OSC Condon stressed several times throughout the meeting that the EPA has to follow agency guidelines in determining if a public health threat exists. At this time, there is limited sample data, and the EPA is awaiting the latest round of soil sampling results. The data and corresponding report will be made available by the end of February. OSC Condon explained that it may take several months to complete a number of sampling events, and that the EPA will be focusing on determining the extent of contamination and on locating the potential source of contamination. Although a sum of \$1,000,000 has been dedicated to fund activities, the majority of this funding is to be used for public outreach and awareness programs, and for additional fencing.

EPA Branch Chief McIntyre also reiterated that the EPA must follow certain procedures and guidelines in determining if a public health threat exists.

EPA ERT representative Camacho discussed standard sampling protocols and informed the committee that there are a very limited number of analytical laboratories that would be capable and available to do a large number of dioxin analyses in a timely manner. She also stated that the committee would need to decide which dioxin congener to focus on (2,3,7,8-tetrachlorodibenzo-para-dioxin is the most toxic and is believed to be a potential carcinogen).

EPA ERT member Camacho also stressed the lengthy data validation process that sample results need to undergo after they have been analyzed.

ATSDR member Louise House gave the committee a brief overview of what ATSDR is and what function it performs. ATSDR is basically a federal public health agency that addresses public health concerns. Next week, a team from ATSDR, consisting of a physician, a toxicologist, and an engineer, will visit the Centredale Manor area. Based on the information gathered during the site visit and interviews with private citizens, the ATSDR team will generate a "health consult" detailing their findings. A press release and Web page will be generated and will be updated with any new developments.

Department of Health representative Bob Vanderslice spoke of his concerns regarding the public's fish consumption and the potential of direct contact with the river sediments. He also expressed his opinion that the dioxin levels found were unacceptably high and posed a public health problem. He is also concerned about identifying and isolating the potential source of the contamination.

The future activities of the Management Action Committee will be as follows:

- Generate a telephone/fax list with Action Committee member information
- Receive and review the draft Sampling Plan that will be generated by EPA ERT by 27 January 1999
- Keep the public informed of committee progress via ATSDR Website and press articles
- The second meeting of the committee is scheduled for 27 January 1999.

Public comments made during this meeting were as follows:

Dr. Frank DeLascono, a local medical practitioner, is concerned about the frequent river flooding. He mentioned, in detail, the 1976 dioxin contamination in Seveso, Italy and stressed that the EPA should do immediate soil testing and containment.

An anonymous comment was made regarding the fish kills and bacteria levels found in the Greystone Dam area. The Smithfield Sewage Treatment Plant was also mentioned.

An additional comment was made regarding a local plating plant explosion, adjacent to the Woonasquatucket River, many years ago.

MEMORANDUM

TO: Centredale Manor Site Assessment File, North Providence, Providence County, Rhode Island. TDD No. 98-06-0017, PCS No. 5366-40, DC No. A-3576

cc: John M. Carlson, U. S. Environmental Protection Agency Response Project Officer
Thomas Condon, U. S. Environmental Protection Agency On-Scene Coordinator

FROM: Sean P. Kennedy, Roy F. Weston, Inc. Region I Superfund Technical Assessment and Response Team (START) 

DATE: 29 January 1999

SUBJECT: 27 January 1999 Management Action Committee Meeting

On 27 January 1999, a meeting was conducted by the Management Action Committee (committee) at the North Providence Town Hall located on Main Street in North Providence, Providence County, Rhode Island. The Management Action Committee will be acting as an advisory board to the U. S. Environmental Protection Agency (EPA), in regards to future site activities. Present at the meeting were the eight members of the Management Action Committee, which consists of the following representatives: EPA On-Scene Coordinator (OSC) Thomas Condon, Rhode Island State Senator John Celona, North Providence Mayor Ralph Mollis, Rhode Island Department of Environmental Management (RI DEM) member Terry Grey, Agency for Toxic Substances and Disease Registry (ATSDR) Risk Assessor Louise House, Department of Health (DOH) representative Dr. Robert Vanderslice, Deputy Chief of Staff for the Office of the Governor of Rhode Island Geri Guardino, and Urban Rivers Coalition (URC) member Eugenia Marks.

Also present at the meeting were EPA Emergency Response Team (ERT) members Joanne Camacho and Tim Dehaney, EPA Environmental Studies Division (ESD) member Beth Deabay, EPA Community Relations member Christie Ray, START member Sean P. Kennedy, several ATSDR members, and private citizens.

The agenda of this meeting was to discuss: 1) the communication of findings and results to the public and press; 2) a short-term path for communicating information and outreach programs to the public; and 3) to describe the strategy for the short-term sampling plan at Centredale Manor and surrounding areas. Additionally, group concerns and ideas would be addressed as the meeting proceeds.

The first topic of discussion was how communication between the committee and the public should be addressed. OSC Condon stated that the screening results from the 15 January 1999 sampling event will be available within the next few days. He cautioned that the screening method is not the same type of analytical method from the September 1998 sampling event. OSC Condon explained that the September 1998 dioxin results were an averaged value of multiple dioxin congeners, while the screening results from January 1999 will show preliminary concentrations of the most toxic

dioxin congener 2,3,7,8-tetrachlorodibenzo-para-dioxin. OSC Condon stressed that everyone on the committee should agree with when and what will be released to the public and that the preliminary screening results should not be released by anyone on the committee until the results are deemed accurate.

URC member Eugenia Marks stated that she would like to have the members of the committee that will be involved in the evaluation of the screening data discuss with the committee how the data will be presented to the public. The URC would also like the public to be presented information on the toxicology of dioxin, potential sources of the dioxin contamination, pathway information, and direct contact threat information as soon as the information becomes available to the committee.

Mayor Mollis wants the results issued to the public in a timely manner, however, he feels the initial reports of the dioxin contamination could have been handled better and that they alarmed the public. He would like to see the next phase of press releases be agreed upon by all committee members so it will be portrayed accurately.

The committee members agreed upon a chain of communication when the preliminary screening results arrive. The chain of communication is as follows: when OSC Condon receives the data he will contact the entire committee; selected agencies (on the basis of expertise and interest) will comprise a technical subcommittee that will meet and discuss the results; the entire committee will convene so that all on the committee can understand and discuss the results; the committee will then call a press conference and release information to the public as agreed upon by consensus of all committee members.

The second agenda item of the meeting was to discuss a communications tool for the public. The committee agreed to the generation of a draft public communications outreach brochure by EPA, RI DEM, DOH, and ATSDR officials. The draft brochure will be reviewed and commented on by all committee members and released to the public after revisions have been made (if any) to the brochure. No comments were made by committee members regarding this agenda item.

The third agenda item of the meeting was to discuss the Phase I round of sampling to be conducted on 15 February 1999 at Centredale Manor and vicinity. In order to begin on this date, the committee would need to review, comment on the draft task work plan, and approve the final version by 8 February 1999. The draft task work plan will be given to committee members prior to the next meeting (to be held on 5 February 1999 at 1300 hours).

It was noted that EPA ERT representatives Camacho and Dehaney, along with WESTON Region 2 Response Engineering and Analytical Contract (REAC) members collected five additional samples on 27 January 1999 from locations at the Lee Romano Baseball Field. The samples collected were to be screened for the dioxin congener 2,3,7,8-tetrachlorodibenzo-para-dioxin by a private lab and results are anticipated to be available soon.

EPA ERT representative Camacho discussed the Phase I round of sampling which will begin on 15 February 1999. Discreet soil samples will be collected (an estimated 150 to 200 samples) on the Centredale Manor property and the wooded area just south of Centredale Manor. Approximately

ten "judgmental" sample locations will be determined by ATSDR and DOH to aid in their health assessments.

Centredale Manor property samples will be collected within a 50 foot grid system beginning at a random origin. The soil samples will consist of surficial soil [between 0 to 6 inches below ground surface (bgs)] and subsurface soil (at approximately 18 inches bgs).

RI DEM representative Terry Grey stated that the grid on the Centredale Manor property should possibly be tightened in the area where the previous sample was collected which contained 14.8 parts per billion (unvalidated) of dioxin. It was concluded by EPA ERT member Camacho that the 50 foot grid would be sufficient in that area.

Soil samples from the wooded area will be collected along a 100 foot grid system beginning at a random origin. Soil samples will also be collected across the Woonasquatucket River on the Johnston, Rhode Island side. The Johnston soil samples will be collected along a traverse approximately three feet up from the bank of the river. Soil samples collected within these areas will consist of surficial soil (0 to 6 inches bgs).

Mayor Mollis and Senator Celona stated their concerns regarding the ability of dioxin to be deposited that far up the bank (three feet) of the Woonasquatucket River. Senator Celona proposed that he could show OSC Condon on 28 January 1999 where flood stages have risen to during past flood periods.

EPA ERT member Camacho stated that some of the sampling constraints that EPA will have during the Phase I will include the laboratory's turn around time for sample results and the number of samples which can be handled/analyzed by the laboratory. Also stressed was the fact that data validation will be a somewhat lengthy process.

DOH representative Dr. Vanderslice asked why discreet soil samples are being collected instead of composite samples. EPA ERT member Camacho answered by stating that EPA standard operating procedures for composite sampling is to reduce the action level by dividing it by the number of aliquots collected, whereas for discreet samples, the action level remains as is.

No public comments were made during this meeting.

The future activities of the Management Action Committee will be as follows:

- Receive and review the draft task work plan which will be generated by EPA ERT and REAC prior to 8 February 1999.
- Determine which committee members would comprise the technical subcommittee that will go over screening results from the 15 January 1999 sampling event.
- The third meeting of the committee is scheduled for 5 February 1999 at 1300 hours.

MEMORANDUM

TO: Centredale Manor Site Assessment File, North Providence, Providence County, Rhode Island. TDD No. 98-06-0017, PCS No. 5366-40, DC No. A-3602

cc: John M. Carlson, U. S. Environmental Protection Agency Response Project Officer
Richard Boynton, U. S. Environmental Protection Agency Response Manager
Thomas Condon, U. S. Environmental Protection Agency On-Scene Coordinator

FROM: Sean P. Kennedy, Roy F. Weston, Inc. Region I Superfund Technical Assessment and Response Team (START) 

DATE: 4 February 1999

SUBJECT: 3 February 1999 Management Action Committee Meeting Regarding Contamination of the Woonasquatucket River

On 3 February 1999, a meeting was conducted by the Management Action Committee (committee) at the North Providence Town Hall located on Main Street in North Providence, Providence County, Rhode Island. The committee will be acting as an advisory board to the U. S. Environmental Protection Agency (EPA), in regards to future site activities. Committee members present at the 3 February 1999 meeting included: EPA On-Scene Coordinator (OSC) Thomas Condon. EPA Response Manager (RM) Richard Boynton, Rhode Island State Senator John Celona. North Providence Mayor Ralph Mollis, Rhode Island Department of Environmental Management (RI DEM) member Terry Grey, Agency for Toxic Substances and Disease Registry (ATSDR) Risk Assessor Louise House, Rhode Island Department of Health (RI DOH) representative Dr. Robert Vanderslice, Municipal Affairs member for the Office of the Governor of Rhode Island Toni Phillips, and Urban Rivers Coalition (URC) member Eugenia Marks.

Also present at the meeting were EPA Superfund Program Division Director for Region I Patricia Meaney, EPA Public Affairs and Community Relations member Angela Bonnarigio. EPA Community Relations member Christie Ray, EPA Regional Director for Rhode Island Robert Mendoza, START member Sean P. Kennedy, and private citizens.

EPA Superfund Program Division Director Patricia Meaney introduced the committee members to EPA RM Richard C. Boynton. The role of RM Boynton will be the new EPA contact for committee members. He will address issues and concerns of committee members. It was stated that OSC Condon will still attend the weekly meetings of the committee, however, he will be concentrating more on the field work and related duties in the weeks to come.

The agenda of this meeting was to discuss: 1) the Draft Communication Plan for issuing information and outreach programs to the public; 2) updated information regarding the Draft Task Work Plan; 3) who on the committee will comprise the technical subcommittee that will review the data from the 15 January 1999 sampling event; and 4) issues and concerns that have been raised regarding the

Lee Romano Little League Field. Additionally, group concerns and ideas would be addressed as the meeting proceeds.

The first agenda item of the meeting dealt with the Draft Communication Plan. The plan outlines the types of outreach programs and tools which are available to the committee to inform the public of information regarding the project. The plan was given to committee members and all were asked to review and submit their comments at the meeting to be held on 5 February 1999. No comments were voiced regarding the Draft Communication Plan at this time.

The second agenda item of the meeting dealt with changes to the Draft Task Work Plan. OSC Condon explained that the number of samples discussed at the second meeting of the committee will now have to be reduced due to laboratory limitations. The proposed areas where depth samples were previously planned has been revised and will no longer be addressed this round of sampling. OSC Condon further explained that this round of the Phase I sampling will have to be limited to surficial soil sampling and that subsurface soil sampling can and will take place at a later date, to be determined. Surficial soil sampling results will address direct contact threat issues raised at previous meetings. The subsurface soil sampling event will still be considered under Phase I operations and may take place as soon as a month after surficial soil sampling is complete. OSC Condon reminded the committee members that there needs to be approval of the Draft Task Work Plan by consensus no later than 8 February 1999 if Phase I sampling is to be conducted on schedule (i.e. by 15 February 1999).

Concerns were raised by Mayor Mollis and Senator Celona about the releasing of 15 January 1999 drinking water sample results. The owner of the Yacht Bottling Company has voiced his disapproval of the way his company's name was mentioned in a press release as one of the two locations that had its water tested for dioxin. Mayor Mollis stated that the owner has had a significant decline in sales of his products since the press release. Both Senator Celona and Mayor Mollis stressed they do not want the results from the drinking water samples released to the public until the owners have had a chance to view the results and approve their release.

Dr. Vanderslice stated that, at the request of the United States Food and Drug Administration (FDA), his office sampled water bottling companies in the area of Centredale Manor for dioxin. He stressed that the committee should not release any of the water results until both EPA and RI DOH results can be evaluated and compared to one another.

The third agenda item of the meeting was to determine who on the committee should be a member of the technical subcommittee. The technical subcommittee will consist of committee members with the background needed to interpret data from the 15 January 1999 sampling event. It was agreed to by all members that the technical subcommittee will consist of the following committee members: RM Richard Boynton, ATSDR representative Louise House, RI DEM representative Terry Grey, and RI DOH representative Dr. Robert Vanderslice.

Mayor Mollis reiterated the agreement made by committee members that members should be present at all meeting, including the technical subcommittee meetings; not for their input on how the data will be interpreted, but for a general understanding of what the data means. OSC Condon stated that

due to time constraints, the subcommittee may have to meet by conference calls and instead of formal subcommittee meeting. Whether the technical subcommittee meets in a formal or informal setting will be determined based on the technical subcommittee members' availability.

The fourth agenda item focused on issues which have been raised regarding the Lee Romano Little League Field. Mayor Mollis and Senator Celona have spoken with parents of children slated to play baseball on the field this spring. A group of parents, who had attended a meeting held regarding the ballfield, voted that the field should be closed this season until final reports are issued by EPA, RI DOH, and ATSDR. However, just as many parents at that meeting voted to keep the field open. The parents who attended the meeting want to meet with the committee members on 1 March 1999 and discuss information regarding the ballfield. After some discussion, it was agreed that this meeting should and will take place on the above-mentioned date.

As a side note, Dr. Vanderslice brought to the committees' attention that the General Assembly of Rhode Island approved a Statement of Resolution stating that any and all analytical results and information from the Centredale Manor and Woonasquatucket sampling events be made available to the City Clerk as soon as they become available. Dr. Vanderslice stated that this is in no way a legally binding order, that it is just a respectful request. Anthony Phillips added that there are more of these resolutions being written and voted upon by the General Assembly at this time.

No public comments were made during this meeting.

The future activities of the Management Action Committee will be as follows:

- Attend a pre-meeting at 1200 hours on 5 February to discuss any comments to the Draft Communication Plan.
- Review and discuss the Draft Task Work Plan for the Phase I sampling scheduled to begin on 15 February 1999 at the fourth meeting of the Management Action Committee scheduled for 5 February 1999 at 1300 hours.
- The fifth meeting of the committee is scheduled for 10 February 1999 at 1300 hours.
- Attend the meeting regarding the Lee Romano Little League Field, scheduled for 1 March 1999 at 1900 hours.

MEMORANDUM

TO: Centredale Manor Site Assessment File, North Providence, Providence County, Rhode Island. TDD No. 98-06-0017, PCS No. 5366-40, DC No. A-3625

cc: John M. Carlson, U. S. Environmental Protection Agency Response Project Officer
Richard Boynton, U. S. Environmental Protection Agency Response Manager
Thomas Condon, U. S. Environmental Protection Agency On-Scene Coordinator

FROM: Sean P. Kennedy, Roy F. Weston, Inc. Region I Superfund Technical Assessment and Response Team (START) 

DATE: 8 February 1999

SUBJECT: 5 February 1999 Management Action Committee Meeting - Comments to the Draft Sampling Plan, Phase I Soil Sampling for the Centredale Manor Site, North Providence, Rhode Island.

On 5 February 1999, a meeting was conducted by the Management Action Committee (committee) at the North Providence Town Hall located on Main Street in North Providence, Providence County, Rhode Island. The committee will be acting as an advisory board to the U. S. Environmental Protection Agency (EPA), in regards to future site activities. Committee members present at the 5 February 1999 meeting included: EPA On-Scene Coordinators (OSCs) Thomas Condon and Ted Bzenas, EPA Response Manager (RM) Richard Boynton, Rhode Island State Senator John Celona, North Providence Mayor Ralph Mollis, Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck, Agency for Toxic Substances and Disease Registry (ATSDR) Risk Assessor Louise House, Rhode Island Department of Health (RI DOH) representative Dr. Robert Vanderslice, Municipal Affairs member for the Office of the Governor of Rhode Island Anthony Phillips, and Urban Rivers Coalition (URC) member Eugenia Marks.

Also present at the meeting were EPA Emergency Response Team (ERT) members JoAnn Camacho and Tim Dehaney, START Region I member Sean P. Kennedy, and private citizens.

The agenda of this meeting was to discuss the comments made by the committee to the EPA ERT Draft Sampling Plan, Phase I Soil Sampling for the Centredale Manor Site, North Providence, Rhode Island (Phase I Sample Plan). The following are changes to be made to the draft sampling plan as agreed to by the committee members:

Section 1.0

- ¶ 1 on p. 3 (third sentence) - eliminate the term "PRG", leaving the sentence to read "Results of these samples were received in January 1999, and showed dioxin concentrations in some areas above 1 ppb."

Section 2.0

- ¶ 2 on p. 4 (first sentence) - eliminate the term "PRG", leaving the sentence to read "...the extent of the surface dioxin contamination, above 1 ppb,".
- ¶ 2 on p. 4 (second sentence) - change the spelling of "ephereal" wetlands to "ephemeral" wetlands.

Section 3.0

Subsection 3.1

- ¶ 2 on p. 5 (first sentence) - change to the sentence to read "...and bounded on the south by *the northern boundary of the Allendale Pond.*"
- ¶ 2 on p. 6 (second sentence) - change sentence to read "...to ~~the~~ river bank along the high water mark *based on professional judgement.*"

Subsection 3.2

- ¶ 2 on p. 7 (second sentence) - change the term "global" Information System (GIS) to read "Geographic" Information System (GIS).

Subsection 3.3

- ¶ 5 on p. 7 (first sentence) - change the sentence to read "Surface samples (0 - 3 inches) will be taken with a *clean* stainless steel (SS) trowel...."
- ¶ 2 on p. 8 (second sentence) - change the sentence to read "These implements may include a *clean* pick, hammer and chisel,"
- ¶ 3 on p. 8 (fourth sentence) - sentence stating "Any standing water will be carefully decanted out of the bowl." prompted discussion of the possibility of samplers decanting out fine sediments suspended in the standing water which may contain dioxin. It was determined that decanting in the field will not be necessary and that the subcontracted laboratory will be able to decant any standing water present in the sample jar prior to running the sample for analysis. Statements that refer to decanting water in the field will be stricken throughout the sample plan.

Section 7.0

- ¶ 6 on p. 12 (first sentence) - change sentence to read "The level of protection *for on-site workers* utilized for this sampling event...."
- ¶ 6 on p. 12 (after first sentence) - add sentence "No **specialized** equipment or

respirators will be necessary."

Table 2

- Property owner names will be deleted and called "private residences".

Other agenda items addressed at this meeting included:

RI DOH representative Dr. Vanderslice would eventually like a study conducted to find the source of the dioxin contamination. OSC Condon replied that this Phase I sampling effort may help define a source area after results are received and reviewed by the technical subcommittee.

RI DOH representative Dr. Vanderslice (along with North Providence Mayor Mollis) wanted to know how much each sample costs and how the \$1 million emergency federal grant is being distributed (i.e. regarding site activities and public issues). ERT representative Camacho responded that each sample being analyzed will cost \$1,200 and that this cost does not include the cost for data validation. Additionally, OSC Condon replied that EPA Region I does not have the grant money at this time, so it is unknown how the money will be distributed between site activities and public relation issues. RM Boynton stated that he would try to find out where the grant money is, when it will be officially issued, and report back to the committee.

ATSDR representative Louise House questioned the reason why the deionized (DI) water being used at individual sample locations is not being collected/containerized. Response from OSC Condon was that aside from monetary issues (cost of hauling to an approved facility), the gross contamination (excess soil) on sampling equipment will be rinsed off at the hole where the sample was collected - thereby not adding to the contamination, but minimizing the amount of investigative derived wastes generated.

RI DOH representative Dr. Vanderslice inquired if the sampling data from the Phase I study could be delivered from the laboratory to the committee in groups instead of all at once. RM Boynton explained that validation would not even begin until the whole data package is received.

Municipal Affairs member for the Office of the Governor of Rhode Island Anthony Phillips requested that the number of samples be further explained. ERT member Camacho stated the samples would be broken down in the following manner:

| | | |
|------------------------------------------------------------|---|-----------|
| Environmental Samples | = | 230 |
| Quality Assurance (QA) Samples | = | 50 |
| Additional Analyses (Matrix Spike/Matrix Spike Duplicates) | = | <u>46</u> |
| Total Laboratory Analyses | = | 326 |

OSC Condon stated that the Phase I Sample Plan (with comments addressed) would need to be signed by all committee members at the next Management Action Committee meeting to be held 10 February 1999.

URC member Eugenia Marks and RI DOH representative Dr. Vanderslice requested that Mayor William Macera (Johnston, Rhode Island) should receive copies of the Phase I Sample Plan and of the Management Action Committee meeting minutes. ATSDR member Louise House added that libraries and town/city halls in Johnston and North Providence, Rhode Island should also have copies to be made available for the public. It was agreed by all committee members that Mayor Macera will receive a copy of the Phase I Sample Plan for approval and that distribution of the plan will take place as soon as it has been approved by the committee.

No public comments were made during this meeting.

The future activities of the Management Action Committee will be as follows:

- Address additional comments to the Phase I Sample Plan (if any) and all committee members provide approval via signatures.
- Develop a mechanism deemed suitable by all committee members for the release of the Phase I sampling dates.
- The fifth meeting of the committee is scheduled for 10 February 1999 at 1300 hours.
- Attend town meeting scheduled for 22 February 1999 at 1900 hours.
- Attend the meeting regarding the Lee Romano Little League Field, scheduled for 1 March 1999 at 1900 hours.

MEMORANDUM

TO: Centredale Manor Site Assessment File, North Providence, Providence County, Rhode Island. TDD No. 98-06-0017, PCS No. 5366-40, DC No. A-3674

cc: Richard Boynton, U. S. Environmental Protection Agency Response Manager
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator

FROM: Sean P. Kennedy, Roy F. Weston, Inc. Region I Superfund Technical Assessment and Response Team (START) 

DATE: 3 March 1999

SUBJECT: 10 February 1999 Management Action Committee Meeting Regarding Contamination of the Woonasquatucket River

On 10 February 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Main Street in North Providence, Providence County, Rhode Island. The committee will be acting as an advisory board to the U.S. Environmental Protection Agency (EPA), in regards to future site activities. Committee members present at the 10 February 1999 meeting included: EPA On-Scene Coordinator (OSC) Thomas Condon, EPA Response Manager (RM) Richard Boynton, Rhode Island State Senator John Celona, North Providence Mayor Ralph Mollis, Rhode Island Department of Environmental Management (RI DEM) member Terry Grey, Agency for Toxic Substances and Disease Registry (ATSDR) Risk Assessor Louise House, Urban Rivers Team (URT) representative Eugenia Marks, Rhode Island Department of Health (RI DOH) representative Dr. Robert Vanderslice, Deputy Chief of Staff for the Office of the Governor of Rhode Island Geri Guardino, Municipal Affairs member for the Office of the Governor of Rhode Island Anthony Phillips.

Also present at the meeting were EPA Public Affairs and Community Relations members Angela Bonarrigo and Christie Ray, START member Sean P. Kennedy, and private citizens.

The agenda of this meeting was to discuss: 1) the Draft Mission Statement of the Management Action Committee and the role of the Technical Subcommittee; 2) updated information regarding Phase I sampling activities; 3) the Draft Communication Plan for issuing information and outreach programs to the public; and 4) issues and concerns that have been raised regarding the release of information to the public and to the media. Additionally, group concerns and ideas would be addressed as the meeting proceeds.

The first agenda item of the meeting dealt with the Draft Mission Statement of the Management Action Committee. A copy of the Draft Mission Statement (dated 9 February 1999), created by RM Boynton, was handed out to Committee members at the onset of the meeting and all were

asked to follow along with RM Boynton and comment as necessary. The draft statement outlined the type of issues the Committee will address in the future concerning the investigation of dioxin contamination along the Woonasquatucket River and on the Centredale Manor property.

Ms. Guardino questioned whether a separate mission statement would be released for the Technical Subcommittee and whether someone from EPA could be involved with looking at the problem holistically (i.e. sources of contamination, contamination along the entire Woonasquatucket River, dam replacement issues). She requested that the Committee form a second Technical Subcommittee to consider generating a sampling plan aimed at identifying potential source areas and highlight exposure issues. In addition, Ms. Guardino suggested that this work could be done in conjunction with the U.S. Army Corps of Engineers (ACOE) whom will be addressing issues associated with the dams along the river.

RM Boynton explained the role of the Superfund Program (at this particular site) is to evaluate the dioxin contamination on the Centredale Manor property and in the Woonasquatucket River between Smith Street and the Allendale Dam and to determine an appropriate plan of action. RM Boynton further explained that EPA representatives will be involved with the Technical Subcommittee; however, an EPA representative should not be the chairperson of such a committee. He concluded by stating that the role of EPA does not include looking at the contamination along the entire Woonasquatucket River at this time.

Mr. Grey added that he felt Superfund is there to look at two issues: 1) the source of contamination and 2) the management of contaminants migrating downstream. He added that something has to be done about the dioxin contamination detected in samples collected downstream of the Allendale Dam. He continued by stating although the levels of dioxin detected in those samples are below the EPA Action Level of 1 part per billion (ppb), it is an issue that should be addressed.

RM Boynton reiterated that EPA's involvement (currently) is to focus on the Centredale Manor property and the Woonasquatucket River from of Smith Street to the Allendale Dam where there is a dioxin contamination problem as defined by the available data. Areas downstream of the Allendale Dam do not appear to be an area where EPA would focus, at this time.

Ms. Marks believes that due to fish tissue analysis by RI DEM and EPA, there are other contaminants identified that a Superfund-type project should be evaluating. She stated that there is still a problem of polychlorinated biphenyl (PCB) contamination within fish tissue and sediments, and that the Woonasquatucket River is one (if not the major) contributor of the elevated PCB levels found in Narragansett Bay. She would also like an EPA representative to stay on the Committee or a Technical Subcommittee to look at the other contaminants in the Woonasquatucket River, not just address issues related to dioxin.

RM Boynton stated that the EPA Regional Director for Rhode Island Robert Mendoza should be the one that these issues be directed towards.

Mayor Mollis and Ms. Guardino would like to see a written explanation of what the Technical Subcommittee's purpose and scope is so that everyone on the Committee has the same understanding of what are the roles of this Committee. It was agreed by committee members to write such a document to be presented at a future meeting.

The following are changes to be made to the Draft Management Action Committee Mission Statement, dated 9 February 1999, as agreed to by the committee members:

Opening Paragraph

- (Line three) - change District #27 to District #26.

Second Statement (#2)

- Eliminate the word "locations" and replace with the word "plans".

Third Statement (#3)

- Change statement to read "To coordinate the communication of information...".

Fourth Statement (#4)

- Statement number four will be moved and renumbered as statement number two. Statement number two will moved and renumbered as statement number four.

Fifth Statement (#5)

- (Second sentence) - eliminate the phrase "Whenever possible," leaving the sentence to read "The Management Action Committee will coordinate the release of documents in the following manner:".
- (Fifth bullet) - it was agreed to by all committee members that Ms. Bonarrigo (or someone from her department) would coordinate the release of information from the Management Action Committee to the media.

Sixth Statement (#6)

- Eliminate the phrase "Whenever possible," leaving the sentence to read "The Management Action Committee will coordinate press releases and observe the following protocol:".
- (Third bullet) - change sentence to read "While this protocol will be adopted by the Committee, it will not limit EPAs or DEMs ability to act swiftly to notify the public in the event of an emergency at the site.".

Statements to be Added

- Add the statement "Whenever possible, the committee will agree to an issue at hand by consensus. Issues not resolved during a given meeting will be tabled and resolved before the next Management Action Committee meeting."

The Mission Statement will be revised to reflect these changes as agreed upon by the committee by consensus and will be faxed to all committee members for approval. The Mission Statement will continue to be considered as a draft document until the committee deems it final.

The second agenda item of the meeting dealt with the final version of the Phase I Sample Plan. All committee members present signed the approval page of the plan. The final version of the Phase I Sample Plan will be distributed to the communities of North Providence and Johnston, Rhode Island through each mayoral office represented. OSC Condon described each activity that would be taking place during the Phase I sampling operation.

Dr Vanderslice questioned that if the geophysical survey showed evidence of buried objects (drums, tanks, etc.), would the next step be some type of test-pitting operation and how soon after the geophysical survey was completed would this type of activity take place. OSC Condon responded by stating that if there were anomalies, the next step would be to conduct some sort of exploratory event to determine if it is indeed a source-type object.

The third agenda item of the meeting dealt with issues regarding relaying information and outreach programs to the public; specifically dealing with the proposed Phase I sampling event. Ms. Bonarrigo explained how her department will distribute information to the residents of Centredale Manor and to the general media. It was agreed upon by all committee members that a flyer explaining the Phase I sampling event will be distributed to the Centredale Manor residents before the sampling event takes place.

Ms. Marks wants the flyer to contain a statement saying that the sampling event will not cause a health threat to the residents of Centredale Manor. It was agreed by the Committee that this is a true statement and that it would be included on the flyer.

Ms. Guardino stated that the RI DOH Woonasquatucket River hotline phone number should be included on the flyer. It was agreed by the Committee that both the RI DOH and the ATSDR hotline phone numbers will be included on the flyer. It was also agreed by the Committee that a statement will be added to the flyer stating the Phase I Sample Plan was approved by the Committee.

Mayor Mollis expressed his concern of why EPA would release the flyer to the residents of Centredale Manor on 12 February 1999 (Friday) and then release a press statement on 15 February 1999 (Monday). Mayor Mollis added that each form of release should be done on the same day to head off any suspicion the media may have if they receive the information days after the residents of Centredale Manor had received the information. It was agreed by the committee the release of information will take place on the same day to each party. Additionally, it was decided that a press conference will take place on the Centredale Manor property on 16 February 1999 between 1100 and 1200 hours.

The fourth agenda item of the meeting dealt with issues and concerns that have been raised regarding the release of information to the public and to the media. Concerns were raised by Mayor Mollis and Senator Celona about the releasing of 15 January 1999 drinking water sample results. The owner of the Yacht Club Bottling Works, Inc. was present at the meeting and voiced his disapproval of the way his company's name was mentioned in a press release as one of the two locations that had its water tested for dioxin. The owner stated that his company has had a significant decline in sales of his products since the press release and would like the Committee to issue an updated press release to try to reverse the damage done to his company's sales as a result of the initial press release. The Committee stated that they would do whatever they could to reverse the damage done to his company and would issue a press release after they had received the validated data. Both Senator Celona and Mayor Mollis stressed that they do not want the results from the drinking water samples released to the public until the owners have had a chance to view the results and approve their release.

Dr. Vanderslice stated that the results from the Food and Drug Administration (FDA) sample event from January 1999 will be available at the next Committee meeting. Per FDA request, water samples were collected from all the water bottling companies in Rhode Island. The water samples were analyzed for the dioxin congener 2,3,7,8-tetrachlorodibenzodioxin (2,3,7,8-TCDD).

Public comments made during this meeting are discussed above within the fourth agenda item.

The future activities of the Committee will be as follows:

- Discuss Phase I sampling scheduled to begin on 15 February 1999 during the sixth meeting of the Committee on 17 February 1999 at 1300 hours.
- Discuss changes made to the Draft Management Action Committee Mission Statement.
- Discuss the sample results from the Yacht Club Bottling Works, Inc..
- Attend a community meeting to: 1) update the public regarding the Phase I sampling event; 2) discuss any future activities to be conducted on the Centredale Manor property and the Woonasquatucket River; and 3) address public comments/concerns. The meeting is scheduled for 22 February 1999 at 1900 hours.
- Attend the meeting regarding the Lee Romano Little League Field, scheduled for 1 March 1999 at 1900 hours.

SPK:spk

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site Assessment File, North Providence, Providence County, Rhode Island. TDD No. 98-06-0017, PCS No. 5366-40, DC No. A-3678.

cc: Richard Boynton, U. S. Environmental Protection Agency Response Manager
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and Community Relations

FROM: Sean P. Kennedy, Roy F. Weston, Inc. Region I Superfund Technical Assessment and Response Team (START) 

DATE: 10 March 1999

SUBJECT: 17 February 1999 Management Action Committee Meeting Regarding Contamination of the Centredale Manor Site and the Woonasquatucket River

On 17 February 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Main Street in North Providence, Providence County, Rhode Island. The Committee will be acting as an advisory board to the U.S. Environmental Protection Agency (EPA), in regards to future site activities. Committee members present at the 17 February 1999 meeting included: EPA On-Scene Coordinators (OSC) Ted Bzenas, EPA Response Manager (RM) Richard Boynton, Rhode Island State Senator John Celona, Rhode Island Department of Environmental Management (RI DEM) members Terry Grey and Gary Waldeck, Agency for Toxic Substances and Disease Registry (ATSDR) Risk Assessor Louise House, Rhode Island Department of Health (RI DOH) representative Dr. Robert Vanderslice, Deputy Chief of Staff for the Office of the Governor of Rhode Island Geri Guardino, Administrative Assistant for the North Providence Mayors Office Cheryl Bozzi, and Urban Rivers Team (URT) member Eugenia Marks.

Also present at the meeting were EPA Public Affairs and Community Relations members Angela Bonarrigo and Christie Ray, EPA OSC Desiree Moyer, Emergency Response Team (ERT) member Jo Ann Camacho, START Region I member Joseph O'Malley, and private citizens.

The agenda of this meeting was to discuss: 1) the Phase I field work and sampling plan update; 2) the revised roles and responsibilities of the Committee; 3) the community relations/outreach program update; 4) and upcoming events. Additionally, group concerns and ideas would be addressed as the meeting proceeds.

The first agenda item of the meeting dealt with updating Committee members on field work ongoing at the time of the meeting. The approved Sampling Plan for Phase I Soil Sampling, Centredale Manor Site (Phase I Sampling Plan) was handed out to Committee members at this

time. Subsequent issues raised included: the date when Phase I soil sample validated data would be available for release to the public; how the validated data would be released to the public; and who on the Committee would release the validated data.

OSC Bzenas stated that the Phase I Sampling Plan that was approved by the Committee last week had been implemented, Monday 15 February 1999, when the site trailer was located and equipment was set up at the Centredale Manor property. Global positioning system (GPS) equipment was used to construct a 50 square foot sampling grid which would enable EPA to locate sample collection points within 1.0 meter. Surface soil sample collection began Tuesday 16 February 1999. Verbal access was granted for sample stations along the Johnston side of the Woonasquatucket River (River) on Tuesday, 16 February 1999. It was noted, that at the time of the meeting on Wednesday 17 February 1999, sampling was underway along the Johnston side of the River. OSC Bzenas stated that samples were being shipped to Research Triangle Park in North Carolina and that it would take several months for the data to be delivered to EPA Region I.

Senator Celona asked why it would take several months to receive the data, when preliminary results for the Lee Romano Little League Field (Lee Romano Field) soil samples were available quicker (by March). OSC Bzenas explained that the preliminary results were not qualified data. In addition to time required for analysis, data validation would take approximately 3 to 4 hours per sample. Sending 300 samples to one laboratory is overwhelming and the standard way to receive data back is to wait until it is all available so it can be properly distributed to the validators.

Mr. Grey asked if it would be possible to group the samples into batches so that some data could be sent back and validated, while the remaining samples could continue to be processed by the laboratory. OSC Bzenas stated that this option had previously been given serious consideration, but the best option is to get the results back in one package.

Ms. Marks stated her opinion that there might be more anxiety than necessary created by the public regarding validated data being released in batches. There may be public speculation about what may be found in subsequent batches based on what is found in the first few batches released. Ms. House responded that data interpretation is completed best by viewing the data as a whole instead of in batches. A health call would not be made by ATSDR based on data it received in batches, and would also be better executed with all validated data available. Moreover, if anything extreme were to show up in preliminary data, then some sort of action would be taken.

RM Boynton added that EPA has the validated data from the drinking water samples collected from the Pied Piper Nursery School (Pied Piper) and Yacht Club Bottling Works, Inc. (Yacht Club) and from soil samples collected at the Centredale Manor property, the Lee Romano Field, and the Boys and Girls Club property on 15 January 1999. These validated data will be sent to

ATSDR where a Health Consult will be written, which will be used by EPA OSC Bzenas in writing up a Removal Action Memorandum.

Dr. Vanderslice questioned when sampling data from this week would be ready. RM Boynton and Ms. Camacho explained that 25 business days from the receipt of the last sample, the unvalidated data package will be sent from the laboratory to EPA (on or about 2 April 1999). Data validation will take at least another month, as it takes 4 to 6 hours per sample. It is estimated that a complete data validation package would be delivered to EPA between 15 May and 30 May 1999. OSC Bzenas added that once the validated package is received it is "releaseable data".

Senator Celona asked about the status of five samples that were collected on 27 January 1999 in the area of the concession stand at the Lee Romano Field. RM Boynton stated that EPA Region I, as of yet, had not received the data from the five samples collected in the area of the concession stand, and results might not be ready in the same time frame as the samples collected on 15 January 1999. Mr. Grey stated it was critical that the five samples be ready for the 1 March meeting, as the public attending will be highly interested in data generated from Lee Romano Field. RM Boynton replied that the Lee Romano Field sample results would be ready for the 1 March meeting, but the five samples collected near the concession stand may not.

The second agenda item of the meeting dealt with the continuing evolution of the Draft Management Action Committee Draft Mission Statement (Mission Statement) outlining the Committees roles and responsibilities (Attachment).

Ms. Marks stated that the third and fourth bullet needed clarification, possibly using subjects and verbs so the reader would know who is responsible for doing what activity. RM Boynton suggested it should read "the originator is responsible for getting back the final documents to the Committee." Ms. Marks agreed that this wording made sense. Discussion of exact wording took place, with several Committee members participating.

Ms. Bozzi inquired about the potential correspondence between other government agencies (not currently represented by Committee members) with Committee members. Specifically, should this information be shared or reviewed with other Committee members. Mr. Grey gave a specific example of additional correspondence that the Committee may want to review. The example involved a resolution from the Rhode Island General Assembly that was forwarded to RI DEM asking to investigate the feasibility of building retaining walls along the River. When RI DEM formulates the response to the resolution, the Committee may want to review it to ensure that it is consistent with the whole scope of activities going on at Centredale Manor.

Ms. Guardino requested that all acronyms be spelt out at the beginning of the Mission Statement, since it may be circulated to the public and that information regarding press conferences should be included.

The following are changes to be made to the Draft Management Action Committee Mission Statement, dated 14 February 1999, as agreed to by the Committee members:

Opening Paragraph

- Spell out all acronyms.

Fifth Statement (#5)

- (Third and fourth bullets) - Add the phrase "the originator is responsible for getting back the final documents to the Committee" to each bulleted statement.
- (Seventh bullet) - Change statement to read "...of document to public through press conferences, public meeting,...".

RM Boynton requested that Ms. Bonarrigo revise the Mission Statement to reflect changes agreed upon by the Committee and fax the revised copies to all members.

The third agenda item of the meeting dealt with community relations and outreach programs. A draft copy of the Community Relations Strategy For The Woonasquatucket River packet was handed out.

Ms. Bonarrigo stated that the EPA is working with the Health & Education Subcommittee of the URT to draft an appropriate Community Relations Plan. The plan is still in the development stage and will continue to be developed. The final plan will look different when it is in the actual Superfund model. Members of the Committee agreed to read the current draft of the Community Relations Plan and submit comments before the meeting next week.

The Committee discussed attendance for the Water Data meeting to be held on Friday 19 February 1999 at 1030 hours (to be held at the North Providence Town Hall). In attendance would be RM Boynton, Ms. Guardino, OSC Bzenas, other Committee members, Tom Gibson of Senator Chaffee's Office and member of the Environment and Public Works Committee, acting RI DEM Director George Wellier, Mayor Mollis, and EPA Site Assessment Manager (SAM) for Rhode Island Matthew Audet. A tour and briefing of the Centredale Manor Site will take place at the conclusion the meeting.

Ms. Bozzi inquired about an unclear public announcement message indicating details concerning upcoming meetings, and stated the need for messages going out to the public to be more concise. Ms. Guardino asked if it would be necessary to coordinate before the 1 March 1999 meeting if there are more test results available, so that there is a clear public message going out.

RM Boynton suggested that Deb Szaro (from EPA New England Regional Laboratories) will explain the results, after which, EPA would follow up with a press release.

Mr. Grey emphasized that the Committee should not attend the 1 March 1999 meeting without the validated data from the five samples collected from the Lee Romano Field. Committee members stressed the point that the 1 March 1999 meeting had already been agreed upon and that it was important to attend whether any results were available. Another meeting could be scheduled at later date, but it was important not to cancel this meeting.

OSC Bzenas reminded everyone on the Committee that despite the fact that the validated data would be available in time for the meeting, it will not have been interpreted in relation to the health impact and what should be done as a result. Ms. Guardino stated that this is the primary reason the Committee needs to be well briefed on the data, in order to get a clear, non-alarming message out at the meeting. Ms. Bonarrigo suggested that the Committee should have a "dry run" of the question and answer session to prepare for the meeting.

Ms. House stated that ATSDR needs to have the data well in advance of the 1 March 1999 meeting to interpret and be able to comment on the data at the time of meeting. Ms. Bozzi asked what ATSDR hopes to achieve verbally with the qualified data, and will the person explaining the data relay it in laymen's terms. The comment was made that the Committee needs to be aware that the public is not interested in scientific terminology; rather, they are interested in whether or not the field is safe to use.

Dr. Vanderslice questioned if there was some number that could be used as a cut off point to say there is no problem. Ms. Bozzi asked if such a number existed, could it be said that little league baseball can be played on the field this coming season. RM Boynton stated that 1 part per billion (ppb) is the action level for immediate danger to life and health which is based on a 30-year exposure limit. The 1 ppb action level will be used to determine whether or not the field can be played on in the spring.

Ms. Marks asked how much time ATSDR needed to get the validated data to Atlanta to get a response on the meaning. Ms. House explained that it depends on how the data turns out. If the validated data comes back questionable with several inconsistencies, it will take more time to interpret. That is not expected, but it cannot be said how it will go until the data physically comes back. She also added that if a conclusion is made about one batch of data, then the next batch comes back and a different conclusion has to be drawn rescinding the first, the credibility of the Committee will be affected. The bottom line is that the best possible answer about public health cannot be made without the whole data package.

The fourth agenda item of the meeting dealt with upcoming events and general discussions.

RM Boynton handed out a table taken from the original preliminary data package of the September 1998 sampling event with the validated results written in next to the unvalidated results. This was done to give Committee members a better understanding of what validation means. Mr. Grey suggested that an accurate, updated handout with original and validated data should be available to distribute at future public meetings. Committee members agreed that it should include the validated data and that no press release was necessary to differentiate between previously released, unvalidated data and the updated validated data.

RM Boynton stated that the drinking water samples from Pied Piper and Yacht Club had come back non-detect (validated results would be available on Friday), and that he would be meeting the owners of those businesses to discuss the results and determine how to release that information to the public. Senator Celona stressed the need to assist the owner of the Yacht Club in the attempt to not adversely affect his business.

In regards to the Phase I sampling event, OSC Bazenas explained the difficulty of the electromagnetic survey being conducted in the wetland area at Centredale Manor due to the density of brush. This area is strongly suspected of having contamination, but clearing it of vegetation to facilitate the EM-31 survey is not necessary at this time. Moreover, the collection of soil samples is not being impeded by the brush in this area.

Ms. Camacho commented that using the EM-31 in such an area would possibly miss a stray drum, but would not miss a large group of drums. It would work well enough to register anomalies that could be interpreted by EM-31 technicians as possible indicators of the smaller objects below the ground surface. Ms. Camacho added that low level contamination will need to be weighed against the destruction of wetland areas.

Ms. Marks asked if anyone on the team could accurately estimate the age of trees in the wetland to gain an understanding of when activities might have been conducted on the Centredale Manor property. OSC Bazenas replied that no one on the team was qualified as a botanist and that aerial photographs were being used to determine this information. Ms. Marks agreed this would probably be sufficient.

Ms. Marks asked for a review of the wetland area and the subject of drums. OSC Bazenas explained that evidence, in the form of a report from an RI DEM removal, indicated the conveyor system for the drum reclamation plant had existed in the wetland area. OSC Bazenas added that the area will not be eliminated as a potential source area based solely on the EM-31 results, since soil samples are being collected as well, in addition to the above-mentioned evidence. OSC Bazenas stated that if surface soil contamination is found, the nature of the wetland area will change due to remediation actions.

Ms. Guardino asked that the Committee table the technical committee discussion until next weeks meeting. In addition, the Governor had written to the Rhode Island State Delegation asking that they assist the Army Corps of Engineers in whatever way possible.

No public comments were made during this meeting.

The future activities of the Committee will be as follows:

- Discuss changes made to the Draft Management Action Committee Mission Statement.
- Discuss the request for a technical committee by the Governor's Office.
- Attend a community meeting to: 1) update the public regarding the Phase I sampling event; 2) discuss any future activities to be conducted on the Centredale Manor property and the Woonasquatucket River; and 3) address public comments/concerns. The meeting is scheduled for 22 February 1999 at 1900 hours at St. Thomas Church.
- Attend the meeting regarding the Lee Romano Little League Field, scheduled for 1 March 1999 at 1900 hours at North Providence High School.
- Attend the next Committee meeting scheduled for 24 February 1999 at 1300 hours at North Providence Town Hall.

SPK:spk

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site Assessment File, North Providence, Providence County, Rhode Island. TDD No. 98-06-0017, PCS No. 5366-40, DC No. A-3711

cc: Richard Boynton, U. S. Environmental Protection Agency Response Manager
Ted Bazenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and Community Relations

FROM: Denis F. McGrath, Roy F. Weston, Inc. Region I Superfund Technical Assessment and Response Team (START) 

DATE: 15 March 1999

SUBJECT: 10 March 1999 Management Action Committee Meeting Regarding Contamination of the Centredale Manor Site and the Woonasquatucket River

On 10 March 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Main Street in North Providence, Providence County, Rhode Island. The committee will be acting as an advisory board to the U.S. Environmental Protection Agency (EPA), in regards to future site activities. Committee members present at the 10 March 1999 meeting included: EPA On-Scene Coordinator (OSC) Ted Bazenas, EPA Response Manager (RM) Richard Boynton, North Providence Mayor Ralph Mollis, Rhode Island Department of Environmental Management (RI DEM) member Terry Grey, Urban Rivers Team (URT) representative Eugenia Marks, Municipal Affairs member for the Office of the Governor of Rhode Island Anthony Phillips.

Also present at the meeting were EPA Public Affairs and Community Relations members Angela Bonarrigo and Christie Ray, EPA Removal Project Manager James Brown, RI DEM member Gary Waldeck, EPA OSC Thomas Condon, and EPA Site Evaluation and Response Section Chief Steven Novick, START member Denis F. McGrath, and private citizens.

The agenda of this meeting was to discuss: 1) any communications updates, specifically relating to a Draft Fact Sheet on "Dioxin Background in Urban Areas" for the Little League (Draft Fact Sheet), and the School Education Campaign; 2) updated information regarding the proposed fence at Lee Romano Little League field; 3) updated information regarding background sampling; 4) the Agency for Toxic Substances and Disease Registry (ATSDR) Draft Health Consult; 5) the Army Corps of Engineers (ACOE) site visit to Allendale Dam; 6) and any additional updated information would be presented.

The first agenda item of the meeting dealt with the Draft Fact Sheet which was requested by parents and Little League officials at the Little League meeting held on 1 March 1999. Ms.

Bonarrigo handed the Draft Fact Sheet (Attachment) out to Committee members at this time. Ms. Bonarrigo stated that the Draft Fact Sheet was directed primarily towards parents; however, basic "do's and don'ts" regarding the Woonasquatucket River (the River) were directed towards children. Committee comment on the Draft Fact Sheet were solicited, as well as from the President of the North Providence West Little League (Mr. John Dinancio). The final version of the Fact Sheet will be available by the Opening Day of the Little League Season (approximately 17 April 1999). Additional items raised regarding the Fact Sheet included the possible attachment of an EPA list of background environmental levels and exposure facts regarding dioxin. This information will be faxed to all of the Committee members, with the decision on the inclusion of this information with the fact sheet to be made at a later date. Ms. Bonarrigo had previously reviewed the list, and extracted information which she believed to be relevant to the Fact Sheet. OSC Bzenas stated that the material contained within the list may be too technical for most people to understand.

In response to a request from the Governor's office for the preparation of an Outreach Campaign directed at schools, Ms. Bonarrigo outlined the outreach strategy objectives:

- Target elementary schools and nursery schools in the Providence, North Providence, and Johnston, Rhode Island school systems.
- Draw upon pre-existing local outreach efforts regarding the River.
- Emphasize avoidance of the River, not only due to the presence of dioxin-contaminated sediments, but also due to a variety of additional reasons.
- Recruit volunteers to assist Ms. Ray and Ms. Bonarrigo in the development of in-class presentations to elementary school students.
- Provide information packets to parents.

Ms. Bonarrigo also indicated that any issues or suggestions regarding this outreach strategy by Committee members are invited.

Mr. Phillips expressed that he thought that the target audience should be younger than the grades 3 through 6 age group. He further added that perhaps it would be more effective if the presentations were made prior to the opening of the Little League season. He suggested that, in the interest of time, and with each individual school principal's consent, the outreach presentations be presented in an assembly form, rather than via an in-class format. Ms. Bonarrigo responded that part of the outreach process would include discussion with each school's principal regarding the type of presentation format (i.e., in-class or assembly).

Mr. Phillips and Mayor Mollis indicated that presentations at the following schools should be made a priority: Ritchie Elementary School, Centredale, Gracetown, and Maguire schools. Moreover, the presentations should be conducted prior to April, since these schools comprise the North Providence West Little League.

Ms. Marks questioned whether schools within Johnston would be provided with presentations; currently she knew of no playing fields on the Johnston side of the River; however, access points to the River from Johnston are present. Ms. Bonarrigo stated that the four aforementioned schools would be given priority; however, additional schools would be considered on 17 March 1999 based on additional input from the Committee.

Mayor Mollis stated that he had received calls from the North Providence Boy's and Girls Club regarding the analytical results, and he therefore requested that EPA inform the Boy's and Girls's Club of the actual analytical results. Ms. Bonarrigo responded that she would draft a letter for the Committee's comment. Mayor Mollis suggested that something similar to what was presented to the Little League, accompanied by a short meeting would be sufficient.

The second agenda item of the meeting dealt with the fence at the Lee Romano field.

Mayor Mollis stated that the Board of Directors of Lee Romano field would like a permanent fence erected separating the field from the River. Mayor Mollis announced that a fence would be installed with the assistance of EPA. Mayor Mollis further stated that EPA understands that the need for a fence constitutes an "emergency situation", due to impending Little League opening day. Additionally, he reported it appeared that the fence would be 12 feet in height only at a certain point, and would be graduated downward from that point, resulting in a less-than-expected expense. Mayor Mollis will be meeting with Mr. John Dinancio (President of North Providence West Little League) to review the fence type and construction details and specifications. After the details have been worked out, the specifications will be forwarded to EPA and ultimately to the proper companies for project bids. Additionally, Mayor Mollis indicated that the fence is being installed without having a final version of the Health Consult from ATSDR, and the installation is viewed as "a good-faith measure by EPA and elected officials".

The third agenda item of the meeting dealt with the updating of information relating to background sampling.

RM Boynton made the distinction between site-related background sampling (i.e. upstream locations), and non-site related background sampling (i.e. locations in other industrial/heavily developed areas). He has requested that RI DEM use their Site Assessment Cooperative Agreement with EPA in order to collect non-site related background samples from areas that may not be directly related to the Centredale Site or the River, but may have been impacted by a release from other industrial areas. The analytical results of these samples may assist in documenting

background concentrations of hazardous substances in industrialized and/or heavily developed areas. Additionally, RM Boynton stated that he will speak with EPA Site Assessment personnel, in order to determine how it will occur. RM Boynton further stated that he would assist RI DEM in procuring an analytical laboratory that is capable of conducting the high-resolution dioxin analysis that is required.

Ms. Marks questioned whether the background analysis would be completed for dioxin only, or if there were other parameters of concern. RM Boynton and RI DEM representative Terry Grey responded that there has been no decision as of yet, and it is still an open question. Mr. Grey stated that there are other issues (not related to the River or to dioxin) that require the collection of background samples from industrial/heavily developed areas; however, he stressed that this background sampling project is very preliminary. Ms. Marks inquired as to specifically what areas are to be sampled. Mr. Grey responded that the area of the study has not been discussed as yet, but suggested that it would extend beyond the perimeter of the Centredale site, into industrial and/or highly developed areas. RM Boynton added that as part of additional Centredale site-related sediment or flood plain sampling, EPA personnel would collect a background sample from the study area for comparison purposes.

In response to a question posed by Mayor Mollis regarding the time frame for this project, Mr. Grey stated that this project probably would not be initiated before summer 1999.

The fourth agenda item of the meeting dealt with the ATSDR Draft Health Consult.

OSC Bzenas stated that ATSDR personnel could not attend this Committee meeting, and he would speak for them. OSC Bzenas handed out copies of the ATSDR Draft Health Consult report at this time (Attachment). The Draft Health Consult serves as a summary of ATSDR's interpretation of the analytical results obtained to date. OSC Bzenas stated that this report was being released for a 30-day public-comment period, and had already been released to Congressional personnel in Washington D.C. OSC Bzenas suggested that Committee members should be prepared for questions, since this Draft Health Consult has been made public. ATSDR is completing a press release for 12 March 1999, in order to formally announce the public release of this Draft Health Consult. He was hopeful that ATSDR would allow the Committee to comment on the press release prior to its being released; however, he was not sure if the Committee would be allowed to comment. Mayor Mollis stated that he would like a copy of the ATSDR press release prior to answering any questions regarding the Draft Health Consult.

OSC Bzenas stated that EPA was expecting to receive a number of calls regarding the Draft Health Consult. He further stated that EPA may complete a press release regarding the Draft Health Consult, but he was unsure. He added that EPA would be responding to the questions regarding the Draft Health Consult by stating something such as "We just received the Draft Health Consult and are in the process of evaluating and reviewing it, and based on the first review

of this report, the suggestions are consistent with the actions that are already being taken, which include issuing a fish advisory, restricting public access, and recommending no swimming or fishing in the River". Also, the possibility of buried drums is mentioned in the Draft Health Consult, and while this is not unknown to the Committee, others may not be aware of this, and the Committee members should be prepared for questions relating to the possibility of buried drums. OSC Bzenas stated that the EPA-response to this would be that "we are already aware of rusted-out drums on the surface, and we are investigating the possibility that there are more drums buried beneath the surface".

Ms. Marks questioned when the results of the magnetometer survey would be available. OSC Bzenas responded that he expected to have the results by the end of March 1999. Ms. Marks then questioned whether there would be a public hearing regarding this report at the end of the comment period. OSC Bzenas was unsure of the answer, and Ms. Louise House of ATSDR would be able to more accurately field this question.

The fifth agenda item of the meeting dealt with the ACOE site visit at Allendale Dam.

RM Boynton stated that before the ACOE would conduct any work on the Allendale Dam, ownership of the dam would need to be resolved, permits would need to be obtained, and the sediment contamination in areas likely to be disturbed during dam work would need to be identified. OSC Bzenas added that the ACOE is currently completing a sampling plan in order to better characterize the sediment quality in the areas likely to be disturbed during dam work; however, OSC Bzenas further stated that the ACOE may not be involved in the actual collection of the samples or in the financial issues regarding the collection of these samples.

Mayor Mollis indicated that originally a \$350,000 grant represented partial funding of the dam work, in conjunction with a \$37,500 grant from the Town of North Providence, and additional money from the General Assembly. Money from the Town of North Providence and the General Assembly would cover approximately 25% of the anticipated project cost. However, he further stated that if the project costs increased, the Town of North Providence would be responsible for covering the additional costs. At that time (May/June 1998), North Providence was concerned with the time passing and the project costs increasing, and therefore wanted to start work on the project at that time. Subsequently, ACOE stated that they would not continue work on the project until the contamination problem was addressed and resolved.

Mr. Grey stated that once sampling is completed, and assuming contamination is identified, what happens at that point? Will ACOE withdraw from the project? OSC Bzenas stated that these issues have not been resolved to date. RM Boynton added that between approximately 50 and 100 cubic yards of material may have to be removed. He also stated that he would like to transfer funds to ACOE to have them complete the sampling. In response to that, Ms. Marks questioned whether the money would come from the Superfund budget or not. RM Boynton responded that

he was unsure, but would confer with EPA Site Assessment Manager Matthew Audet.

Mr. Phillips stated that a figure of approximately \$25,000 would be needed in order to conduct the sampling which would be required prior to ACOE initiating work on the Allendale Dam. He further stated that money was not a limiting factor, and that Senator Chafee would work on appropriating additional funds, if needed, so that the project could move forward. Mr. Phillips expressed concern that if the money needed for ACOE-required sampling was taken from the Allendale Dam repair project, this money should somehow be returned to the dam repair project fund.

Ms. Marks requested that the dam project and an ACOE update be included as a running issue on future Committee-meeting agendas.

The sixth agenda item of the meeting dealt with any additional updates and/or issues regarding the project.

Ms. Marks stated that the American Heritage Rivers organization will be interviewing candidate(s) for the position of a "River Navigator" later in March 1999. A portion of the interview process is to provide a tour of the River and the Blackstone River. She further stated that she intended to show the interviewee(s) the Centredale section of the River, and requested any additional information regarding any other sites that would be of interest to the candidate(s). Mr. Grey indicated that the Riverside Mills site may be of interest in Providence. RM Boynton stated that the dams may also be of interest, with Allendale dam having the highest level of sediment contamination, and other subsequent dams exhibiting lesser amounts of sediment contamination. Additionally, OSC Bzenas stated that fencing restrictions on the Centredale property should be respected.

OSC Bzenas inquired as to the status of the Brook Village investigation. Mr. Grey stated that the investigation has yet to commence, but expects it to begin soon. OSC Bzenas expressed concern regarding the Scope of Work for that project, as it appeared that drilling would be completed in areas of possible former drum storage (based on past areal photographs). Thereby possibly creating additional hazards.

RM Boynton stated that he had received a call from Dr. Vanderslice regarding background dioxin figures. Dr. Vanderslice indicated that samples collected at a ball field in Newport, Rhode Island indicated dioxin concentrations at between 17 and 400 parts per trillion (ppt).

Ms. Ray distributed a final copy of the Management Action Committee Mission Statement to the Committee members.

Ms. Marks stated that she would like to have the possibility of a fish ladder system installed during

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the Allendale Dam repair project to be reviewed, even though downstream dams have no fish ladder system installed.

No public comments were aired during this meeting.

The agenda for the 18 March 1999 Committee meeting is as follows:

- ATSDR report and comments associated with it.
- Feedback regarding the Allendale Dam project.
- Fact sheet on "Dioxin Background in Urban Areas" for parties involved in the Little League activities.

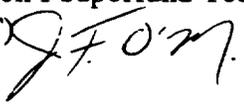
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cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site Assessment File, North Providence, Providence County, Rhode Island. TDD No. 98-06-0017, PCS No. 5366-40, DC No. A-3731

cc: Richard Boynton, U. S. Environmental Protection Agency Response Manager
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and Community Relations

FROM: Joe O'Malley, Roy F. Weston, Inc. Region I Superfund Technical Assessment and Response Team (START) 

DATE: 5 April 1999

SUBJECT: 17 March 1999 Management Action Committee Meeting Regarding Contamination of the Centredale Manor Site and the Woonasquatucket River

On 17 March 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Main Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA), in regards to site activities. Committee members present at the 17 March 1999 meeting included: EPA On-Scene Coordinator (OSC) Ted Bzenas, EPA Response Manager (RM) Richard Boynton, Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck, Agency for Toxic Substances and Disease Registry (ATSDR) Risk Assessor Louise House, Rhode Island State Senator John Celona, Rhode Island Department of Health (RI DOH) representative Dr. Robert Vanderslice, Administrative Assistant for the North Providence Mayors Office Cheryl Bozzi, Urban Rivers Team (URT) representative Eugenia Marks, Municipal Affairs member for the Office of the Governor of Rhode Island Anthony Phillips.

Also present at the meeting were EPA Public Affairs and Community Relations member Angela Bonarrigo, START member Joe O'Malley, and private citizens.

Prior to the beginning of the official agenda for the MAC meeting, the Final Summary Report for Expanded Site Inspection Centredale Manor Site, completed by START, was handed out to Committee members. RM Boynton stated that he would forward any questions or comments to Matt Audet, EPA Site Assessment Manager, who is overseeing site assessment activities. Mr. Waldeck asked whether additional sampling to support the listing package was planned, and stated that the RI DEM had a scope of work for sampling to determine more source or target points. RM Boynton responded that the START contractor would be looking into the need for additional sampling.

The agenda of this meeting was to discuss: 1) the Draft Health Consult completed by the Agency for Toxic Substances and Disease Registry (ATSDR); 2) updated information regarding the proposed fence at Lee Romano Little League Field; 3) a communications update regarding a Draft Fact Sheet for Lee Romano Little League Field, the School Education Campaign, the Boys and Girls Club, and the Yacht Club Bottle Works; 4) updated information regarding Allendale Dam; 5) and any other additional updated information.

The first agenda item of the meeting dealt with the ATSDR, Draft Health Consult Report (Health Consult) which was released to the public, by ATSDR, prior to review by the Committee. Ms. House apologized for this action, and acknowledged that the 30-day public comment period had begun on 12 March 1999, and asked for comments from the Committee anytime during the meeting or the public comment period.

Dr. Vanderslice commented on the conclusion in the Health Consult, that sediment and soil are identified as the source of dioxin at Centredale Manor. Potential off-site sources of dioxin contamination exist and sources have not been definitively identified; therefore, this conclusion may be inaccurate. RM Boynton and OSC Bazenas agreed that absolute data did not exist identifying a specific source at Centredale Manor. Sediment and soil at Centredale Manor were likely secondary sources of dioxin contamination; however, the highest concentration of dioxin was detected in samples collected at Centredale Manor, indicating that sources were located at Centredale Manor.

Ms. Marks stated a concern that the Health Consult relies on available data which provides only circumstantial evidence for determining the location of sources, and that additional sources might be found that could affect plans to address the contamination along the Woonasquatucket River (the river). Ms. Marks referred to a Health Consult, released by ATSDR, which states that there have been higher levels of dioxin detected in sediments at Lymansville Pond compared to Allendale Dam. Ms. Marks stated that while there is a breach at the Allendale Dam that may have caused sediments to wash down from the dam, an uncertainty remains as to other existing sources. Ms. Marks suggested rewording it to say that one of the sources exists at Centredale. Dr. Vanderslice agreed the data suggested other areas could contain sources and referred to sediment data from Riverside Mills. Dr. Vanderslice further stated that the actual number of sources is not known, illegal dumping or a plant on the Johnston Side of the river could have been contributing factors.

Dr. Vanderslice stated that there was an inconsistency of tone in the conclusions in the Health Consult regarding statements that sediments in the river and surface soils at the public ball park aren't a public health problem. Dr. Vanderslice continued by saying conclusions in the Health Consult concerning Centredale Manor are qualified, making several distinctions that do not provide a clear explanation of how conclusions were reached for the various areas of concern along the river. Dr. Vanderslice suggested that recommendations need to be stated more clearly.

Mr. Phillips stated that adding "possible source" might clarify the confusion about Centredale Manor being the sole source of contamination, leaving the possibility of other sources. RM Boynton agreed.

Ms. Marks added that the statement in the report about workers at Allendale Dam being protected from sediments needs to be reworded, due to conclusions in the Health Consult stating that sediments do not pose a public health problem. The issue of workers being protected suggests a possibility that another exposure pathway could exist. OSC Bzenas stated that worker exposures are evaluated differently than public exposures. Ms. House stated that worker exposures are evaluated by the National Institute of Occupational Safety and Health (NIOSH), which are routinely noted in reports by EPA or ATSDR. Ms. Marks proposed that the public reading the Health Consult, which concludes that the sediment is not a public health hazard, might treat the material with less care, increasing their risk of exposure; that as a public document referenced in future reports, the Health Consult should clearly state the risks of exposure.

Ms. Marks raised another exposure pathway issue concerning the possible contamination of food sources from the river other than fish. Ms. Marks reported that a child had told her he routinely caught turtles to bring home for his family to eat; other reported conversations involving town residents indicated that eels, turtles, and other possible food sources from the river were being consumed. Ms. Marks concluded by stating that the conclusions in the Health Consult are confusing and further review of those statement are necessary. Senator Celona agreed and proposed that everything possible should be done so that in the future, it can be said that everything was looked at and the appropriate actions were planned and executed.

Dr. Vanderslice commented that one of the recommendations of the Health Consult should be to definitively identify the source. Dr. Vanderslice stated that he understands that the source may never be known, but it is useful to approach the issue by looking for all aspects of the issue.

Ms. House responded that these comments should be written down; therefore, ensuring they'll be addressed and incorporated in the Final Health Consult.

Ms. Marks expressed concern about the accuracy in which the areas of the river were identified, as they are reported in the Health Consult. Ms. Marks stated that use of the phrase "seven dams along the lower portion of the Woonasquatucket" is very imprecise, as it is referenced in relation to the Lonigan Dam in both the background and site description sections of the Health Consult. Ms. Marks further stated the discussion of fish in the Health Consult, which also uses the phrase "seven dams along the lower river", is confusing. The fish were collected at Smith Street which is located along the northern portion of the river. Ms. Marks summarized by saying that lumping the information all together is not useful for analysis, including location of sources, areas of contamination, and sampling events.

RM Boynton and OSC Bzenas addressed the Committee with a question about the Committee process, and whether the Committee should send a collective list of comments to the DOH. The Committee resolved that the questions and comments being discussed by the Committee would not be forwarded collectively from the Committee, but from individual members of the Committee.

Ms. House restated that the public comment period started on the 12 March 1999, runs for 30 days, and all comments would be collected during that time from the Committee and any other public sources. Then the Health Consult will be revised, incorporating the comments or justifying why the comments are not incorporated in the report. Once the Health Consult is available, there will be a public question and answer session of some sort. Ms. House remarked that a Final Health Consult will be distributed to Committee before the public question and answer session. Dr. Vanderslice requested, for the EPA, that AnnMarie Burke and Duane Winters receive a final copy. Ms. Marks also requested that someone from the Federal Government provide the Code of Federal Regulations (CFR) of the procedure under EPA or the DOH on requirements for public hearings, for the Health Consult document.

The second agenda item of the meeting dealt with the proposed chain-link fence replacement and installation at Lee Romano Little League Field on Woonasquatucket Avenue in North Providence. RM Boynton stated that the measurements and specifications for the fence at Lee Romano Little League Field are being incorporated into the Request For Proposal (RFP) to be put out for bid and that installation would hopefully occur approximately the second week of April 1999; and stated that the present goal for completion is 10 April 1999.

RM Boynton asked if disposal of the old fence was an issue and if the town or other citizens would want it. OSC Bzenas suggested that the disposal be incorporated in the RFP. OSC Bzenas also added that if someone expresses an interest in the old fence, the RFP will need to be changed to limit the cost and that he would need to know this as soon as possible. Ms. Marks requested that a recycling disposal be used instead of a landfill. RM Boynton and OSC Bzenas agreed.

Senator Celona asked when the fencing at Centredale was going to be installed. OSC Bzenas responded that it should begin in early April; and that an Action Memorandum would be completed approximately by the end of March before fence installation.

Ms. Marks asked that consideration for the duration of dioxin contamination be taken in to account when choosing permanent verses non-permanent fencing material. OSC Bzenas responded that all available options for fencing would be reviewed.

Ms. Marks asked how the perimeter of fencing at Centredale was determined, as an inundated low area was observed back in June. OSC Bzenas responded that the fence will follow the present line of temporary snow fence that is currently located outside the flooded low area.

Dr. Vanderslice asked how permanent the fence needs to be based on the fact that we have all the sample results back. OSC Bzenas explained that conflicting pressures were acting on the decision regarding the fence at Centredale. OSC Bzenas added that timing makes it necessary now, and yet there is not enough information currently to determine how permanent the fence needs to be. OSC Bzenas further stated that whatever is possible, with currently existing information will be done, but this will not limit further appropriate action that may be necessary in the future.

Ms. Marks asked that temporary fencing be considered to accomplish both goals. OSC Bazenas stated that the action memo will say physical barrier which will restrict access, and not limit the type of fencing that can be used by requiring a specific type.

The third agenda item of the meeting dealt with communications updates. Ms. Bonarrigo handed out the latest draft version of the Work Plan by the Health and Education Subcommittee for the Committee to review.

Ms. Bonarrigo requested comments be delivered as soon as possible regarding the Draft Fact Sheet for Lee Romano Little League Field, as the Committee would only see it one more time before going final. Ms. Bonarrigo handed out a draft list that the Health and Education Subcommittee drew up of locations along the river considered to be high use areas. Ms. Bonarrigo asked for comments on the list and stated any additional areas would be included in the draft for review by next week.

Ms. Bonarrigo stated that she and the EPA are working on a list of schools in the area to which flyers would be distributed to inform students, parents, and teachers of the situation regarding contamination along the river. The list contained five schools in North Providence and four schools on the Johnston side of the river. Ms. Bonarrigo stated that EPA was presently in contact with the superintendents of public schools in North Providence and Johnston, RI in order to determine the best approach for a speaker to go to the classrooms to explain the circumstances surrounding the river. Ms. Bonarrigo further stated that if other schools exist that need to be visited, a priority system will need to be established since time is limited.

Committee members agreed that the public schools should be on the first priority tier to receive fact sheets and visits from EPA representatives. A strategy is needed which gets all materials produced out to other schools such as the Henry Barnard School.

Ms. Bonarrigo stated that Mayor Mollis wants a fact sheet for parents saying samples collected on the Boys and Girls Club property indicated soil there to be at safe levels. Ms. Bonarrigo further stated that adapting the fact sheet to include both Lee Romano Little league Field and the Boys and Girls Club property will be used without review, if acceptable to the Committee, and the Committee will receive a final version. The Committee agreed.

Ms. Bonarrigo stated the owner of the Yacht Club Beverage Company, Mr. Scambato, requested better visibility for his "free of dioxin" water sign provided by the EPA. Ms. Bonarrigo stated a sign, the approximate size of a banner, with the EPA logo is being provided. Senator Celona expressed concern that people coming from Smithfield won't see it and proposed that a second sign, approximately 4 feet by 4 feet, may be necessary. Ms. Bonarrigo said she will put a bid out, the time frame for both signs will be known next week, and it is understood that the signs are a high priority.

The fourth agenda item of the meeting dealt with Allendale Dam. RM Boynton stated that members of the Committee and additional staff from Committee member's agency offices, met with Army Corps of Engineers (ACOE) staff and staff from other state and municipal government agency

offices at Allendale Dam to determine what the ACOE needed to go ahead with work on the dam. RM Boynton summarized that a sample plan is needed to identify the area of contamination, in order to develop a plan to remove sediments so that the ACOE can do the work of repairing the Allendale Dam. RM Boynton added that a letter had been sent to the ACOE requesting a sample plan to be delivered to the Committee with a costs estimate, and that the ACOE will be called next week to check on the progress of the sampling plan. RM Boynton further stated that this is the preliminary step to initiating work on the dam reconstruction.

RM Boynton stated that Senator Chafee appropriated approximately \$350,000 with 25% to be matched by sponsor or the owner, for the determination and removal of contamination from the area around the dam to allow for the actual repair of the dam. Generally, it is understood that the entire process will cost much more than the initial \$350,000. OSC Bzenas added that once the ACOE is allowed to proceed, the actual dam restoration can be done in one season.

Mr. Phillips stated that the condominium association, which has ownership of the dam, wished to be relieved of the responsibility for the dam, and that there may be some additional funds that Senator Chafee could get from Congress. Ms. Bozzi stated that nothing can happen at the Allendale Dam until ownership is cleared up, but that the city may take ownership and assume 25 % liability. Committee members asked if the town is now responsible for clarifying ownership of the dam. Mr. Phillips stated that he would work on verifying ownership of Allendale Dam by contacting Janet Coit, a staff member for RI State Senator Chafee, for next weeks meeting.

The fifth agenda item of the meeting dealt with any other updates needing discussion.

Ms. Marks restated the issue with Lymanville Pond, that previous knowledge and documentation in the Health Consult suggest that dioxin levels are higher at Lymanville Dam than at Allendale Dam, and asked how further characterization of sediments will be done at Lymanville. RM Boynton stated that September 1998 data from the Expanded Site Inspection (ESI) completed by START, indicated that dioxin concentrations are higher at Allendale Dam than at Lymanville Dam.

Ms. Marks stated that comparison of the data was impossible due to inaccurate identification of sample collection locations upstream of Lymanville Dam. Ms. Marks referred to the bottom paragraph on page two of the Health Consult, where the premise that "concentrations are higher at Lymanville Dam than at Allendale Dam" is supported. Ms. Marks stated that this was not an anomaly and that these data were from samples collected earlier in the summer of 1998.

OSC Bzenas stated that deviations of approximately 1 or 2 parts per billion in the data are not significant, and that the data are relatively consistent overall. OSC Bzenas maintained that contamination concentrations are significant at both of the dams. Ms. Marks agreed, and asked whether further sampling is possible to characterize sediments at Lymanville Dam. RM Boynton stated that more sampling will probably be done, as this was initial sampling in order to identify extent of contamination and not to precisely identify areas of contamination, which is more of a future long term remedial action.

Ms. Marks restated the question of the abundance and distribution of concentrations of dioxin in the range of 8.2 ppb, as reported on page two of the Health Consult, to better understand how that represents sediments in the area of Lymansville Dam. Ms. Marks further requested the Committee to not forget that there are potential areas of concern to be considered for cleanup at Lymansville Pond, and they need to be better understood as public health risks. RM Boynton agreed, and stated that the analysis of the data might need to be rewritten to clarify the issues concerning it.

OSC Bzenas stated that copies of the meeting minutes, all handouts and draft comments that are out for public comment, and all final documents are being compiled at two repository sites so there will be a complete public record of all the Committee meetings. OSC Bzenas stated that a trip report will be distributed at the next meeting, along with sampling information from February and a report on the electromagnetic survey at Centredale.

Ms. Bonarrigo stated that all comments regarding the Draft Work Plan Document by the Health and Education Subcommittee should now be sent directly to Christie Ray of EPA. Christie Ray will no longer be facilitating the Committee meetings, unless specifically needed by the Committee.

RM Boynton requested everyone's e-mail address so he can send information to all Committee members more quickly.

OSC Bazena stated that comments on appropriate locations for placement of the new "do not eat the fish signs" are needed from the Committee. Ms. Marks stated that fishing season opens the first Saturday in April. OSC Bzenas responded that the new signs were ready, they need to pick them up and get the appropriate hardware for installation.

The agenda for the next Committee meeting, to be held on 31 March 1999, are as follows:

1. Lee Romano Fence
2. Centredale Fence
3. Signs
4. Money/Ownership research of Allendale Dam
5. Allendale Dam Army ACOE Sampling Plan
6. School Outreach Update

JFO:jfo

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site Assessment File, North Providence, Providence County, Rhode Island. TDD No. 98-06-0017, PCS No. 5366-40, DC No. A-3786

cc: Richard Boynton, U. S. Environmental Protection Agency Response Manager;
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator;
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical Assessment and Response Team (START) *REW*

DATE: 13 April 1999

SUBJECT: 31 March 1999 Management Action Committee Meeting Regarding Contamination of the Centredale Manor Site and the Woonasquatucket River

On 31 March 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Main Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA), in regards to site activities. Committee members present at the 31 March 1999 meeting included: EPA On-Scene Coordinator (OSC) Ted Bzenas, EPA Response Manager (RM) Richard Boynton, Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck, Agency for Toxic Substances and Disease Registry (ATSDR) Risk Assessor Louise House, Janet Coit staff member for Rhode Island State Senator Chaffee, Rhode Island Department of Health (RI DOH) representative Dr. Robert Vanderslice, Administrative Assistant for the North Providence Mayors Office Cheryl Bozzi, Urban Rivers Team (URT) representative Eugenia Marks, Municipal Affairs member for the Office of the Governor of Rhode Island Anthony Phillips.

Also present at the meeting were EPA Public Affairs and Community Relations member Angela Bonarrigo, START member Renata E. Wynnyk, and private citizens.

The agenda of this meeting was to discuss: 1) the field work update, including geophysical survey work, preliminary Phase I sampling results and the EPA Action Memorandum (Memo); 2) updated information regarding the proposed fence at Lee Romano Little League Field and the fence at Centredale Manor; 3) community outreach update, including a fact sheet for the Little League and Boys & Girls Club, school outreach program, a banner for the Yacht Club Bottle Works, and "Fish Contaminated" signs; 4) updated information regarding the reconstruction of Allendale Dam; 5) and any other additional updated information.

Due to Ms. Coit's early departure, Mr. Philips requested that she update the Committee on the Allendale Dam, the fourth agenda, first.

The fourth agenda item concerned the proposed repairs of the Allendale Dam. Ms. Coit gave a brief update regarding the US Army Corps of Engineers (ACOE) program for technical assistance in addressing the integrity, safety and flood control issues of local dams. The ACOE has reserved a maximum of \$50,000 for technical assistance, requiring a 50/50 state match of \$50,000 (or a lesser sum) on the amount of money needed, before implementing any programs. The Allendale Dam is excluded from this reserve, due to private ownership. Actual ownership of the dam creates an issue with the ACOE moving forward with reconstruction on Allendale Dam. Then ACOE cannot move forward with any type of construction on the Allendale Dam until the ownership issue is resolved. Although if necessary, the court has the federal authority to grant access to the property.

Ms. Coit concluded her update on the Allendale Dam, and turned the meeting back to the original agenda.

The first agenda item of the meeting dealt with the geophysical survey work performed by Emergency Response Team (ERT)/Response Engineering and Analytical Contract (REAC). OSC Bzenas discussed that a number of unidentified anomalies were found, and that on 6 April 1999, ERT/REAC will continue the geophysical survey, focusing on the anomalies. Two different types of survey equipment will be used: a magnetometer and a ground penetrating radar (GPR) unit. The GPR will assist in identifying the depth of the anomalies as well as providing additional details of the anomalies. The turnaround time on the interpretation and plotting of the geophysical data will take approximately 1 to 2 months. A draft copy of the original geophysical work was presented to the Committee, and final copies will be made available to each member by the next Committee meeting.

OSC Bzenas discussed the Action Memo that Region I EPA has prepared for the Removal Action. In particular, the following items are included in the Action Memo: 1) a definition of site boundaries, which include the Brook Village and Centredale Manor properties, as well as the 100-year floodplain as it extends from Rt. 44 to the Allendale Dam (approximately 36 acres); 2) restricting public access to contaminated soils in excess of 1 ppb dioxin; 3) providing site security; 4) determining the extent of contamination; 5) locating and mitigating source areas, including sampling and other exploratory actions; and 6) identifying and implementing a technically and financially feasible long term solution in addressing the contamination. OSC Bzenas mentioned that the Action Memo will be reviewed by EPA Headquarters and has approximate funding of 1.6 million dollars. Additional Action Memos will be generated as deemed necessary by the EPA. OSC Bzenas emphasized that the Removal Program will address the immediate contamination problem at hand.

Dr. Vanderslice questioned the early release of the preliminary Phase I sampling data, as results were not supposed to be released until they were validated. OSC Bzenas explained that it was not a release per say, but a precautionary reaction to the data, as residential properties were involved. After some discussion by Committee members, RM Boyton suggested that EPA would make a proposal for the committee to consider a process for how the data is presented to property owners, concerned citizens and the media.

Dr. Vanderslice inquired if EPA and ATSDR can and would set an "acute level" for dioxins to prevent this precautionary reaction from occurring again. In addition, he suggested that if sampling is to be conducted on residential properties in the future, snow fences be installed at all residential backyards along the river or at all residential sampling locations.

RM Boynton commented about Committee members sending a consistent message out to the public. Specifically, with warmer weather approaching, they need to discuss if all river activities (i.e., boating, swimming, and fishing) should be restricted or just the consumption of fish.

The second agenda item of the meeting dealt with the fences at Lee Romano Little League Field and at Centredale Manor. OSC Bzenas informed the Committee that a subcontract for fence installation has been awarded, and that work will commence the week of 5 April 1999. The fence situation at the Centredale Manor property will be addressed in the Action Memo.

The third agenda item dealt with several community outreach programs. Ms. Bonarrigo handed out copies of a fact sheet for the Little League and Boys & Girls Club, and discussed the school outreach program. Four elementary schools in North Providence have expressed an interest in acquiring additional information. This information will be presented either in a classroom format, or as a school assembly (with possible EPA participation). Moreover, information is expected to be distributed by the health educator or by the school's principal. Each school will be allowed to utilize their own particular format. Ms. Bonarrigo mentioned that Johnston schools have not expressed much interest in an outreach program, and that she will look into contacting the private schools in the area next. The Yacht Club Bottle Works has received and posted a banner that states "Yacht Club Bottled Water contains no Dioxin". A total of 12 permanent "Fish are Contaminated" signs have been installed in numerous areas along the river, with additional locations and signs to follow. Also, high-visibility fencing and warning signs has been installed at the following three locations: 500 Woonasquatucket Avenue (along the raceway); 41 Stevens Street (adjacent the stream); and the vacant lot (along a portion of the Allendale Pond shoreline) that is located across from the Allendale Baptist Church at 494 Woonasquatucket Avenue.

The last agenda item dealt with various miscellaneous updates, and included the following questions and comments below.

Ms. Bozzi commented that the Mayor's office has received many letters and calls from concerned citizens, asking for their property to be sampled. Concerns were raised below the Allendale Dam location. She requested some feedback on how to address their concerns. It was mentioned by EPA and DOH that if citizens had specific requests (i.e. for specific contaminants due to prior knowledge of chemical contamination, not hearsay or newspaper articles), that it may be discussed at a future date. At the present time, sample locations will be selected by greatest contact and exposure risk, as specified by the EPA.

In addition, Ms. Marks questioned if Canada Pond should be sampled, since it is heavily used for fishing. This question prompted a discussion regarding urban rivers in Rhode Island, and any background analytical data. At present, there is no data available on urban rivers in Rhode Island. RI DEM and EPA have future plans in regards to river sampling, but they are tentative at best. The DOH has a limited sampling proposal (nine samples), but they are experiencing budget limitations.

Ms. House reminded the Committee that the 30-day public comment period, regarding the Draft Health Consult, began on 12 March 1999, and ends on 12 April 1999. She provided a handout on requirements for public hearing guidelines and several copies of the Draft ATSDR Health Consult. Copies of the Final ATSDR Health Consult will be distributed to selected repositories in North Providence and Johnston, RI for public review; a press release will be put in local newspapers informing the public on the location of these repositories.

Ms. House informed the Committee that Ms. Allison Walsch, who works for EPA Rhode Island Team Leader Mr. Robert Mendoza, had called and mentioned that approximately 75 members of the URT are requesting copies of any pertinent documents generated by the Committee, specifically the ATSDR Report. A discussion proceeded regarding the most efficient way of handling this request. It was decided by the Committee to channel information to the URT through Ms. Walsch and utilize Ms. Marks presence on the Committee as the URT representative as well.

Ms. Bonarrigo questioned if the Providence Library should be added to the list of current repositories, as citizens in Providence are concerned and asking questions regarding potential exposure. OSC Bazenas informed the Committee that EPA would be establishing Administrative Record repositories in the towns of North Providence and Johnston. The Committee concluded that the repositories for their documents should be consistent with EPA repositories, and the two libraries would be sufficient.

The next Committee meeting will be held on 7 April 1999. The agenda for the next meeting was not discussed.

REW:rew

cc: J. Carlson

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P. Connell

MEMORANDUM

TO: Centredale Manor Site Assessment File, North Providence, Providence County, Rhode Island. TDD No. 98-06-0017, PCS No. 5366-40, DC No. A-3793

cc: Richard Boynton, U. S. Environmental Protection Agency Response Manager
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical Assessment and Response Team (START) *REW*

DATE: 13 April 1999

SUBJECT: 7 April 1999 Management Action Committee Meeting Regarding Contamination of the Centredale Manor Site and the Woonasquatucket River

On 7 April 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Main Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA), in regards to site activities. Committee members present at the 7 April 1999 meeting included: EPA On-Scene Coordinator (OSC) Ted Bzenas, EPA Response Manager (RM) Richard Boynton, Senator John Celona, Rhode Island Department of Environmental Management (RI DEM) members Gary Waldeck and Terry Grey, Rhode Island Department of Health (RI DOH) representative Dr. Robert Vanderslice, Urban Rivers Team (URT) representative Eugenia Marks, and Municipal Affairs member for the Office of the Governor of Rhode Island Anthony Phillips.

Also present at the meeting were EPA Public Affairs and Community Relations member Angela Bonarrigo, START member Renata E. Wynnyk, and private citizens.

The agenda of this meeting was to discuss: 1) the Allendale Dam update; 2) the progress of fence installation at Lee Romano Little League Field and Centredale Manor; 3) the Community outreach update, including school outreach and Americorps Service Day; 4) the field work update, including geophysical survey work, the EPA Emergency Response Team (ERT) Trip Report (Trip Report), and the Action Memorandum (Memo); and 5) other items. Additionally, group comments and concerns would be addressed as the meeting proceeds.

The first agenda item dealt with an update regarding the Allendale Dam. RM Boynton stated that the EPA has received a Draft Sampling Plan from the Army Corps of Engineers (ACOE). This sample plan involves a series of four borings (three located upstream of Allendale Dam, and one downstream of Allendale Dam), and possibly four samples per boring. Tentative sample locations

per boring will include a surface sample (0-4 inches depth), a sample located 8-10 feet below the sediment surface, and a sample located 1 foot above the bedrock layer; the last sample location remains to be identified. Possible analytical parameters would include polychlorinated biphenyls (PCBs), metals, and dioxin analyses. The ACOE Final Sampling Plan is currently under review by the EPA, and will be incorporated, if possible, within the EPA Removal Sampling Plan.

The second agenda dealt with the progress of fence installation at the Lee Romano Little League Field and Centredale Manor. OSC Bzenas briefly updated the Committee regarding fence installation activities at Lee Romano Little League Field. Dismantling of the existing fence began on 5 April 1999, and the installation of the new fence should be completed by 9 April 1999. The fencing to be installed at Centredale Manor was discussed momentarily by the Committee. Specifically, Senator Celona at this time commented that the Centredale Manor Management Office is requesting EPA replace the temporary high-visibility fencing with white picket fencing during removal activities, as opposed to chain-link or stockade type fencing. The Committee will discuss this topic at later date. OSC Bzenas reiterated that the Centredale Manor fence is addressed as an element in the Action Memo.

The third agenda item addressed an update on Community outreach. Ms. Bonarrigo stated that two North Providence schools have been scheduled for school presentations about the Woonasquatucket River. The format will be decided at a later date. In addition, on 13 April 1999 (the designated Americorps Service Day), volunteers will drop off materials consisting of a flyer and a contact list to individual houses located along the Woonasquatucket River in Johnston, North Providence, and Providence, Rhode Island. Approximately 8,000 to 10,000 flyers and contact lists will be dropped off to residents in these towns. Additionally, local businesses, churches, and community centers will receive an informational poster to display.

The fourth agenda item concerned the field work update. OSC Bzenas informed the Committee that geophysical survey activities began at the Centredale Manor and Brook Village properties on 6 April 1999. A completion date for the field work will depend on several factors, for example weather conditions and availability of personnel. A tentative completion date for geophysical survey activities is scheduled for 9 April 1999. A copy of the Trip Report, generated by EPA/ERT for the Phase I Sampling conducted in February 1999, was handed out to Committee members. OSC Bzenas presented a brief overview of the Trip Report, with emphasis on the sample location and geophysical anomalies maps. OSC Bzenas added that the Action Memo has been delivered to EPA Headquarters for review.

The last agenda item dealt with various miscellaneous updates, and included the following questions and comments below.

Ms. Marks handed out a draft copy of a letter containing comments on the ATSDR Health Consult Report. The public 30-day comment period still remains open. In addition, Ms. Marks was in

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contact with a professor at Johnson and Wales University who, with several students, produced a local report entitled "Along the Woonasquatucket". This report contains several maps of the Woonasquatucket River. Copies of the pertinent maps were distributed to OSC Bzenas.

Concerns of the people living downstream of Allendale Dam were mentioned by Ms. Marks. Ms. Marks questioned if their river activities are being impacted and if there are other contaminated sites along the river. This comment was not addressed.

The next Committee meeting will be held on 14 April 1999. The agenda for the next Committee meeting was not discussed.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site Removal File, North Providence, Providence County, Rhode Island. TDD No. 99-05-0206, PCS No. 7046, DC No. R-1883

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical Assessment and Response Team (START) *REW*

DATE: 5 May 1999

SUBJECT: 28 April 1999 Management Action Committee Meeting Regarding Contamination of the Centredale Manor Site and the Woonasquatucket River

On 28 April 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Main Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regard to site activities. Committee members present at the 28 April 1999 meeting included the following: EPA Response Manager (RM) Richard Boynton, Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck, Senator John Celona, North Providence Mayor Ralph Mollis, Urban Rivers Team (URT) representative Eugenia Marks, and Municipal Affairs member for the Office of the Governor of Rhode Island, Anthony Phillips.

Also present at the meeting were EPA Public Affairs and Community Relations member Angela Bonarrigo, START member Renata E. Wynnyk, and private citizens.

The agenda of this meeting was to discuss: 1) the Health Consultation update; 2) field work and Action Memorandum (Memo) update; 3) Allendale Dam update; and 4) other items. Additionally, group comments and concerns were addressed as the meeting proceeded.

The first agenda item dealt with an update regarding the Agency for Toxic Substances and Disease Registry (ATSDR) Health Consultation. Ms. Bonarriga distributed packets of draft comments received during the public comment period. Also, a draft fact sheet was distributed, and Ms. Bonarriga asked that any Committee comments be returned by the next Committee meeting.

The second agenda item dealt with an update on field work and on the status of the Action Memo. EPA RM Boynton informed the Committee that, prior to the day's meeting, the high visibility fence across from the Allendale Baptist Church had had some minor repairs made to it. The Action Memo is under review by the EPA Dioxin Work group at EPA Headquarters.

The third agenda item dealt with an update regarding Allendale Dam. EPA RM Boynton attended the 19 April 1999 meeting held by the Office of Congressman Patrick Kennedy and the Army Corps of Engineers (ACOE). At this particular meeting, it was stated that three out of five dams along the Woonasquatucket need repairs. The dams seem to be the only structures holding back sediments, and the amount of sediment at the base of the Allendale Dam is unknown.

A discussion ensued among the Committee members regarding dioxin-containing sediments, hazardous wastes, and solid wastes. No regulatory decision has been resolved on dioxin sediments.

The final agenda item dealt with general items. Specifically, the following questions were put forth:

- When will the ground-penetrating radar (GPR) survey report be complete?
- When will RI DEM receive the report from GEC (a consulting firm) regarding the soil borings that were done in March 1999?
- When will the dioxin data results from the February sampling event be available?

The next Committee meeting will be held on 5 May 1999. The agenda will include progress reports on general items.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site Removal File, North Providence, Providence County, Rhode Island. TDD No. 99-05-0206, PCS No. 7046, DC No. R-1884

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical Assessment and Response Team (START) *REW*

DATE: 10 May 1999

SUBJECT: 5 May 1999 Management Action Committee Meeting Regarding Contamination of the Centredale Manor Site and the Woonasquatucket River

On 5 May 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Main Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 5 May 1999 meeting included the following: EPA On-Scene Coordinator (OSC) Ted Bzenas, EPA Response Manager (RM) Richard Boynton, Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck, Agency for Toxic Substance Disease Registry (ATSDR) Risk Assessor Louise House, Senator Celona, North Providence Mayor's Office representative Cheryl Bozzi, Urban Rivers Team (URT) representative Eugenia Marks, and Municipal Affairs member for the Office of the Governor of Rhode Island, Anthony Phillips.

Also present at the meeting were EPA Public Affairs and Community Relations member Angela Bonarrigo, START member Renata E. Wynnyk, and private citizens.

The agenda of this meeting was to discuss: 1) the Field Work update; 2) the Action Memorandum (Memo) update; 3) National Priorities List - Listing update; 4) the Health Consultation update; 5) the Community Outreach update; and 6) other items. Additionally, group comments and concerns were addressed as the meeting proceeded.

The first agenda item dealt with an update regarding field work. OSC Bzenas informed the Committee that the field work being conducted at the present time is basic monitoring of the temporary fences for any necessary repairs. However, the upcoming work carried out under the Action Memo may be more disruptive (i.e., more personnel, vehicular traffic, and visual distractions).

The second agenda item dealt with an update regarding the Action Memo. OSC Bzenas informed the Committee that the Action Memo has been approved in Region I and it is awaiting EPA

Headquarters approval. Approximately \$1.6 million dollars has been secured through the Action Memo to begin the removal work.

Senator Celona brought up the fact that many of his constituents have been asking about when site cleanup work will actually begin, and how long it will take. The senator stated that EPA's credibility may have been impacted by the "perceived delay" in any observable work being performed. OSC Bazenas and Ms. Bonarriga both replied that the EPA has worked very quickly in addressing potential contamination issues, and in issuing an Action Memo. In addition, OSC Bazenas stated that EPA is there to remedy the problem and that there will be a lot of on-going site activities during the summer months.

The third agenda item dealt with the listing status of the Centredale Manor Site onto the National Priorities List (NPL). EPA RM Boynton informed Committee members that a draft Hazardous Ranking System Package (HRS) may be generated by August 1999. At that point, RI DEM will need to generate a letter to the RI Governor in regards to listing the site on the NPL. EPA Headquarters will review and comment on the draft listing package, possibly by December 1999. After a final listing package is generated and approved, the Centredale Manor Site may be included on the NPL.

Senator Celona asked the Committee what were the benefits (if any) of being listed on the NPL (also known as "Superfund List"). He is very concerned about community impact and public perception, etc. RM Boynton replied that sites listed on the NPL have more funding available, in addition to a more timely cleanup. In addition, Ms. Bonarrigo suggested to the Committee that they may start thinking about a positive press campaign to be utilized in the future, to offset any negative aspects to being included on the NPL.

The fourth agenda item dealt with the Health Consultation update. Ms. House informed the Committee that the ATSDR member working on finalizing the Health Consultation has requested some additional documents from other agencies prior to completion. Ms. House believes that the final Health Consultation will be completed 4 to 5 weeks after ATSDR has had the opportunity to receive and review the additional documents. Copies of the final Health Consultation will be sent out to committee members, Congressional staff, and other interested parties on the same day.

The fifth agenda item dealt with the Community Outreach update. Two North Providence schools are considering scheduling assemblies prior to the summer break.

The sixth agenda item included the following questions and comments:

- *Is there any further Community Outreach being planned during the summer months?*

Yes, additional warning signs will be installed in the near future, and a two-page update will be made available to the community.

- *When will the results of the February sampling survey be available?*

All of the dioxin data packages should be received by EPA by 1 June 1999. The data packages will then undergo a lengthy data validation process prior to any results being released.

The next Committee meeting will be held on 19 May 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site File, North Providence. Providence County, Rhode Island. TDD No. 99-05-0206, PCS No. 7046, DC No. R-1909

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical Assessment and Response Team (START) *(RW)*

DATE: 14 June 1999

SUBJECT: 19 May 1999 Management Action Committee Meeting Regarding Contamination of the Centredale Manor Site and the Woonasquatucket River

On 19 May 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Main Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 19 May 1999 meeting included the following: EPA On-Scene Coordinator (OSC) Ted Bzenas; EPA Team Leader (TL) Richard Boynton; Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck; Agency for Toxic Substance Disease Registry (ATSDR) Senior Regional representative Louise House; Rhode Island Department of Health (RI DOH) representative Dr. Robert Venderslice; Rhode Island State Senator John Celona; North Providence Mayor's Office representative Cheryl Bozzi; Urban Rivers Team (URT) representative Eugenia Marks; and Municipal Affairs member for the Office of the Governor of Rhode Island, Anthony Phillips.

Also present at the meeting were EPA Public Affairs and Community Relations member Angela Bonarrigo, START member Renata E. Wynnyk, and the Region I Emergency Rapid Response Services (ERRS) contractor representative Michael Blodgett.

The agenda of this meeting was to discuss the following: 1) the field work update; 2) the Action Memorandum (Memo) update; 3) the Health Consultation update; 4) the Community Outreach update; and 5) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item dealt with an update regarding field work. OSC Bzenas informed the Committee that an office trailer has been mobilized to the southern parking lot of the Centredale Manor property and that the ERRS contractor is awaiting power and telephone service. The OSC introduced ERRS Response Manager Michael Blodgett to the Committee and briefly explained the scope of work that ERRS would be performing. In addition, the Committee was informed that

the linear footage for fencing at Brook Village, Centredale Manor, and residential properties has been measured. Currently, types of fencing and installation costs are being evaluated. A brief discussion was held regarding the longevity of fencing, aesthetic concerns, and maintenance. OSC Bzenas briefly discussed the Region I Soil Sampling Quality Assurance Protocol Plan (QAPP). A draft version of the QAPP will be available to the Committee on 4 June 1999, and comments from Committee members regarding the contents of the QAPP were requested before 9 June 1999 for incorporation. A final version of the QAPP is anticipated by 16 June 1999.

The second agenda item dealt with an update regarding the Action Memo. OSC Bzenas informed the Committee that the Action Memo has been approved, and Committee members have each received a copy. The OSC briefly discussed Potentially Responsible Party (PRP) investigations and how they might impact removal sites.

The third agenda item dealt with the Health Consultation update. ATSDR representative House informed the Committee that the final Health Consultation will be out in several weeks. She suggested holding a public meeting to discuss the findings and recommendations of the Health Consultation, since it can be difficult for the average person to understand.

The fourth agenda item dealt with a Community Outreach update. OSC Bzenas and EPA Community Relations representative Bonarrigo successfully conducted an assembly for the first and second grades at the Barnes School, Johnston. An assembly for fourth and fifth graders is being scheduled before the summer break.

TL Boynton informed the Committee that the results of the February sampling survey (Phase I) should be received by EPA by mid-June 1999.

The next Committee meeting will be held on 26 May 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site File, North Providence, Providence County,
Rhode Island. TDD No. 99-05-0206, PCS No. 7046, DC No. R-1910

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bazen, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical
Assessment and Response Team (START) 

DATE: 14 June 1999

SUBJECT: 26 May 1999 Management Action Committee Meeting Regarding Contamination
of the Centredale Manor Site and the Woonasquatucket River

On 26 May 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Main Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 26 May 1999 meeting included the following: EPA On-Scene Coordinator (OSC) Ted Bazen, EPA Team Leader (TL) Richard Boynton, Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck, Agency for Toxic Substance Disease Registry (ATSDR) Senior Regional representative Louise House, Rhode Island State Senator John Celona, North Providence Mayor's Office representative Cheryl Bozzi, and Municipal Affairs member for the Office of the Governor of Rhode Island, Anthony Phillips.

Also present at the meeting were EPA Public Affairs and Community Relations member Angela Bonarrigo, START member Renata E. Wynnyk, and members of the public.

The agenda of this meeting was to discuss: 1) the field work update; 2) the Health Consultation update; 3) the Community Outreach update and 4) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item dealt with an update regarding field work. On 27 May 1999, four fence contractors will be at the site for a bid walk. OSC Bazen is still investigating fencing options, prices and other related costs. On 1 June 1999, the Emergency Rapid Response Serviss (ERRS) contractor will begin brush clearing certain areas of the site. OSC Bazen briefly discussed the Region I Soil Sampling Quality Assurance Protocol Plan (QAPP). A draft version of the QAPP will be available to the Committee on 4 June 1999, and comments from the Committee are due to OSC Bazen by 9 June 1999. A final version of the QAPP is anticipated by 16 June 1999. OSC Bazen has received a copy of the geophysical report from the EPA Emergency Response Team

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(ERT); however, the report is very technical in nature. As a result, OSC Bzenas has requested that it be revised for easier comprehension. The OSC briefly discussed the findings of the geophysical report. He informed the Committee that a section of property adjacent to the southern and eastern edge of the Centredale Manor south parking lot showed a very large anomaly. In addition, 11 smaller-sized anomalies were located throughout the property.

The second agenda item dealt with an update regarding the Health Consultation. ATSDR member House informed the Committee that the Health Consultation has been approved and that copies will be mailed out next week. A draft copy of a site-specific Fact Sheet was handed out to the Committee, with their final comments to be returned to Ms. House by 1 June 1999. This Fact Sheet will be utilized to explain the Health Consultation. In addition, on 16 June 1999, a press conference has been scheduled (at 11:00 am) and a poster session (from 3:00 to 6:00 pm) at the North Providence Town Hall to explain the findings of the Health Consultation to the public and media members. Two additional poster sessions will be held on 17 June 1999 at the same location.

The third agenda item dealt with the Community Outreach update. Ms. Bonarrigo provided the Committee with an information package about Superfund programs and listing criteria. In addition, EPA TL Boynton handed out a draft copy of a cost summary and a chronology of site activities. He briefly explained to the Committee that the prior costs incurred do not include the Phase I dioxin soil sampling and analytical costs.

The next Committee meeting will be held on 2 June 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site File, North Providence, Providence County,
Rhode Island. TDD No. 99-05-0206, PCS No. 7046, DC No. R-1915

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bazenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical
Assessment and Response Team (START) *(REW)*

DATE: 9 July 1999

SUBJECT: 2 June 1999 Management Action Committee Meeting Regarding Contamination of
the Centredale Manor Site and the Woonasquatucket River

On 2 June 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 2 June 1999 meeting included the following: EPA On-Scene Coordinator (OSC) Ted Bazenas; EPA Team Leader (TL) Richard Boynton; Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck; Agency for Toxic Substance Disease Registry (ATSDR) Senior Regional Representative Louise House; Rhode Island Department of Health (RI DOH) representative Dr. Robert Vanderslice; Rhode Island State Senator John Celona; North Providence Mayor's Office representative Cheryl Bozzi; Urban Rivers Team (URT) representative Eugenia Marks; and Municipal Affairs member for the Office of the Governor of Rhode Island, Anthony Phillips.

Also present at the meeting were EPA Public Affairs and Community Relations member Angela Bonarrigo, START member Renata E. Wynnyk, and members of the public.

The agenda of this meeting was to discuss: 1) the field work update; 2) the Health Consultation update; 3) the Community Outreach update and 4) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item dealt with an update regarding field work. OSC Bazenas informed the Committee that the Emergency Rapid Response Services (ERRS) contractor has begun brush clearing along the existing and proposed fence line areas at the Centredale Manor and Brook Village properties. In addition, a small trench was dug in the outflow stormwater pipe area, located between Brook Village and the Cumberland Farms property. Previously, this area contained large amounts of sand and runoff debris. This small trench will direct the flow of

stormwater more efficiently into the former spillway area behind the Centredale Manor building. A Request for Proposal (RFP) package will be sent to fence installation subcontractors on 3 June 1999. In addition, OSC Bazenas briefly discussed the type of fencing available; these included either 5-foot tall chain-link fence or 4-foot tall cedar picket fence. A draft version of the Quality Assurance Project Plan (QAPP) will be available to the Committee by 7 June 1999, and comments from the Committee are due to OSC Bazenas by 16 June 1999. A final version of the QAPP is anticipated by 18 June 1999.

The second agenda item dealt with an update regarding the Health Consultation. ATSDR member House received EPA comments regarding the draft copy of the Fact Sheet; however, not all Committee members initially received the draft Fact Sheet. As a result, Ms. House is still awaiting comments from the remaining Committee members. On 9 June 1999, a press release will be issued by the EPA Community Relations Office, announcing the 16 June 1999 press conference and related poster sessions at the North Providence Town Hall. Also, several hundred information flyers will be mailed or posted in public buildings, announcing the press conference and poster sessions. Two additional poster sessions will be held on 17 June 1999 at the same location. Media notification and the format for the press conference was briefly discussed.

The third agenda item dealt with the Community Outreach update. On 2 June 1999, OSC Bazenas participated in a school assembly for third and fourth graders held at the Barnes School in North Providence, RI.

Other items discussed by the Committee were as follows:

The EPA Enforcement Branch is following up on information provided by former employees that were employed by the defunct companies previously located at the Brook Village and Centredale Manor properties. The search for information will be reiterated at the 16 June press conference. It was suggested that more information might be obtained from local citizens by placing posters in public buildings and senior community centers.

RI DOH representative Dr. Vanderslice informed the Committee that RI DOH will be collecting a total of eight fish samples (three from the Woonasquatucket River) for a state-wide survey. The samples will be analyzed for polychlorinated biphenyls (PCBs) and dioxin congeners. In regards to the Woonasquatucket River sampling, two samples will be collected above Esmond Dam, and the third sample will be collected 14 June 1999, in the vicinity of Brook Village.

The next Committee meeting will be held at 9:30 am on 16 June 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site File, North Providence, Providence County,
Rhode Island. TDD No. 99-05-0206, PCS No. 7046, DC No. R-1978

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical
Assessment and Response Team (START) *RW*

DATE: 20 July 1999

SUBJECT: 16 June 1999 Management Action Committee Meeting Regarding Contamination of
the Centredale Manor Site and the Woonasquatucket River

On 16 June 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 16 June 1999 meeting included the following: EPA Team Leader (TL) Richard Boynton; Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck; Agency for Toxic Substance Disease Registry (ATSDR) Senior Regional representative Louise House; Rhode Island Department of Health (RI DOH) representative Dr. Robert Vanderslice; Rhode Island State Senator John Celona; North Providence Mayor's Office representative Cheryl Bozzi; Urban Rivers Team (URT) representative Eugenia Marks; and Municipal Affairs member for the Office of the Governor of Rhode Island, Anthony Phillips.

Also present at the meeting were EPA Public Affairs and Community Relations member Angela Bonarrigo, START member Renata E. Wynnyk, and the following staff members from the ATSDR Office in Atlanta: Dr. Kate McKinney, Dr. David Hewitt, Dr. Ken Orloff, Grant Baldwin, and Robert Knowles.

The agenda of this meeting was to discuss the following: 1) the Health Consultation and corresponding press conference and poster session; 2) the field work update; and 3) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item dealt with a discussion regarding the Health Consultation and the upcoming press conference scheduled for 11:00 am (on 16 June 1999). ATSDR representative House introduced the five staff members from the ATSDR Atlanta, Georgia office and explained what their responsibilities would be during the press conference. An informal poster session was planned (after the press conference) for 2:00 pm to 4:00 pm. Dr. Kate McKinney briefly reviewed the agenda for the press conference and poster sessions.

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The second agenda item dealt with an update regarding field work activities. EPA TL Boynton informed the Committee that sections of cedar fence are being installed on site, and that sampling (following the Army Corp of Engineers specifications) at the Allendale Dam is being scheduled. In addition, TL Boynton solicited comments from the Committee regarding the contents of the draft Quality Assurance Project Plan (QAPP).

Other items discussed by the Committee were as follows:

The EPA Enforcement Branch is interested in talking to any former employees of the defunct companies which were previously located at the Brook Village and Centredale Manor property. The search for information will be reiterated at the 16 June 1999 press conference.

The next Committee meeting will be held at 1:00 pm on 23 June 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site File, North Providence, Providence County,
Rhode Island. TDD No. 99-05-0206, PCS No. 7046, DC No. R-1979

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical
Assessment and Response Team (START) *REW*

DATE: 20 July 1999

SUBJECT: 23 June 1999 Management Action Committee Meeting Regarding Contamination of
the Centredale Manor Site and the Woonasquatucket River

On 23 June 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 23 June 1999 meeting included the following: EPA On-Scene Coordinator (OSC) Ted Bzenas; EPA Team Leader (TL) Richard Boynton; Rhode Island Department of Environmental Management (RI DEM) members Gary Waldeck and Terry Grey; Agency for Toxic Substance Disease Registry (ATSDR) Senior Regional representative Louise House; Rhode Island State Senator John Celona; North Providence Mayor's Office representative Cheryl Bozzi; Urban Rivers Team (URT) representative Eugenia Marks; and Municipal Affairs member for the Office of the Governor of Rhode Island, Anthony Phillips.

Also present at the meeting were EPA Public Affairs and Community Relations member Angela Bonarrigo, START member Renata E. Wynnyk, staff representative Anna Batista (from Senator John Chafee's office), and a member of the general public.

The agenda of this meeting was to discuss: 1) the field work update, including Phase I sampling results; 2) an update regarding the listing of the site on the National Priorities List (NPL); and 3) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item dealt with a discussion regarding the Phase I soil sampling results [which were collected in February 1999 by representatives of the Environmental Response Team/Response Engineering and Analytical Contract (ERT/REAC)]. OSC Bzenas displayed a sampling location map which depicted the sample locations as well as the associated dioxin results. Results greater

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than 1 part per billion (ppb) were highlighted. OSC Bzenas informed the Committee that the soil sample results were typical of former industrial sites, and that historical photographs show several drum storage areas. Copies of the map will be made available to the Committee, and may also be displayed at the Town Hall and/or with local libraries. OSC Bzenas also informed the Committee that additional fencing will be installed at a future date, along certain sections of the Woonasquatucket River that are currently owned by Narragansett Electric Company.

The second agenda item dealt with an update regarding the listing of the site on the NPL. RI DEM representative Grey stated that RI DEM will recommend, via a letter, that the site be listed on the NPL. A discussion ensued as to the most appropriate manner in which to proceed with generating a letter from the Governor's Office to support listing the site. ATSDR representative House stressed to the Committee that any implications (of listing the site on the NPL) should be identified and addressed at Committee meetings and during Town Council sessions.

Other items discussed by the Committee were as follows:

A discussion ensued among members in regards to changing the site name to better reflect past historical use of the site (i.e., Crown Chemical, Metro Chemical), as opposed to the continued use of "Centredale Manor". Exposed sediments (around the Allendale Dam) will be sampled by a qualified subcontractor procured through the Emergency Rapid Response Services (ERRS) contractor.

The next Committee meeting will be held at 1:00 pm on 30 June 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site File, North Providence, Providence County,
Rhode Island. TDD No. 99-05-0206. PCS No. 7046. DC No. R-1980

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bazenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical
Assessment and Response Team (START) 

DATE: 20 July 1999

SUBJECT: 30 June 1999 Management Action Committee Meeting Regarding Contamination of
the Centredale Manor Site and the Woonasquatucket River

On 30 June 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 30 June 1999 meeting included the following: EPA On-Scene Coordinator (OSC) Ted Bazenas; Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck; Agency for Toxic Substance Disease Registry (ATSDR) Senior Regional representative Louise House; Rhode Island Department of Health (RI DOH) representative Dr. Bob Vanderslice; North Providence Mayor Ralph Mollis; Urban Rivers Team (URT) representative Eugenia Marks; and Municipal Affairs member for the Office of the Governor of Rhode Island, Anthony Phillips.

Also present at the meeting were EPA Community Relations representative Angela Bonarrigo, START member Renata Wynnyk, staff representative Anna Batista (from Senator John Chaffee's office), and a member of the general public.

The agenda of this meeting was to discuss: 1) the field work update; 2) the Community Outreach update; 3) an update regarding the listing of the site on the National Priorities List (NPL); and 4) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item involved a discussion regarding on-going field work activities. OSC Bazenas informed the Committee that 235 soil samples (including quality control samples) have been collected and submitted for analysis since the start of the Removal Action (i.e., 29 June 1999). In addition, over 600 samples have been analyzed (to date) for dioxins since project inception. Prior to initiating the collection of any residential soil samples, OSC Bazenas stated that he would like to

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20 July 1999

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obtain access to all of the proposed residential properties. In addition, temporary high-visibility fencing is currently being installed in the floodplain area. OSC Bzenas has remained in contact with representatives of Narragansett Electric Company (NEC) to discuss collecting samples from NE property along the western bank of the Woonasquatucket River, as well as erecting high-visibility fencing along this portion of the river. OSC Bzenas proceeded to distribute draft copies of the soil sampling results with a corresponding sample location map to the Committee. A brief discussion ensued regarding the location of several sampling points and their respective results.

The second agenda item dealt with an update regarding the Community Outreach update. Ms. Bonarrigo informed the Committee that access letters were going out to the residences abutting Allendale Pond.

The third agenda item dealt with an update regarding listing the site on the NPL. RI DEM member Grey informed the Committee that RI DEM will be drafting a letter of support (to the Committee) in regards to listing the site on the NPL. A question was raised regarding whether the Town of Johnston has shown any interest in listing the site on the NPL (no definitive answer was offered). ATSDR representative House explained their role in the proposed listing process. Basically, ATSDR would conduct a Health Assessment to evaluate all possible exposure pathways. The Health Assessment is more comprehensive than a Health Consult.

Other items discussed by the Committee were as follows:

RI DOH representative Dr. Vanderslice asked if soil sampling could be extended beyond the current boundaries at specific locations (for example, at Lee Romano ballfield). Also, he raised concerns regarding historical downstream exposures, especially after the Allendale Dam had been breached. OSC Bzenas explained that an EPA Remedial Project Manager (RPM) has been assigned to the site. The RPM is currently developing a workplan that may encompass sampling in other areas.

A discussion ensued regarding testing another urban ballfield, and comparing the results to the results obtained at Lee Romano. This scope of sampling may be undertaken at some point in the future by RI DEM or other state agencies. At the present time, EPA is focusing on the scope of work outlined in the approved Action Memorandum.

The next Committee meeting will be held at 1:00 pm on 7 July 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site File, North Providence, Providence County,
Rhode Island. TDD No. 99-05-0206, PCS No. 7046, DC No. R-2005

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator (OSC)
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical
Assessment and Response Team (START) 

DATE: 12 July 1999

SUBJECT: 7 July 1999 Management Action Committee Meeting Regarding Contamination of
the Centredale Manor Site and the Woonasquatucket River

On 7 July 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 7 July 1999 meeting included the following: EPA OSC Ted Bzenas; Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck; Agency for Toxic Substance Disease Registry (ATSDR) Senior Regional Representative Louise House; Rhode Island Department of Health representative Dr. Bob Vanderslice; Urban Rivers Team (URT) representative Eugenia Marks; and Municipal Affairs member for the Office of the Governor of Rhode Island. Anthony Phillips.

Also present at the meeting were EPA Community Relations representative Angela Bonarrigo, and START member Renata E. Wynnyk.

The agenda of this meeting was to discuss: 1) the field work update; 2) the Community Outreach update; 3) the National Priorities List (NPL) update; and 4) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item dealt with a discussion regarding field work activities. OSC Bzenas informed the Committee that subsurface soil sampling is continuing. In addition, OSC Bzenas informed the committee that some of preliminary analytical data (from samples collected as part of the Removal Action) have been received and that it is currently being reviewed. He briefly discussed some of the preliminary results and informed the Committee that (in some locations) elevated concentrations of polychlorinated biphenyls (PCBs) as well as volatile organic compounds (VOC) were detected. OSC

Bazenas also informed the Committee that the incoming Dioxin results have not exceeded any of the Phase I sampling results (to date). OSC Bazenas informed the Committee that additional samples (including possibly groundwater samples) may be collected in anomalous areas identified in the previously completed geophysical survey, and that sediment sampling at Allendale Dam area is tentatively scheduled for the week of 12 July 1999. A brief discussion ensued regarding dam ownership and liability issues. OSC Bazenas also informed the Committee that, in the event of excavation activities (or test pitting), site personnel are currently evaluating methods to minimize the creation of potentially contaminated dust and/or vapors. The final issue discussed (by OSC Bazenas) was the installation of permanent fencing at Centredale Manor. OSC Bazenas informed the Committee that subcontracting issues, and health and safety concerns have delayed fence installation

The second agenda item dealt with an update regarding the Community Outreach update. Ms. Bonarrigo distributed copies of a draft Press Release to the Committee and requested comments by 8 July 1999. The Press Release is scheduled for release later this week. Also distributed were copies of the Committee Meeting minutes (for meetings held in March through April 1999). Ms. Bonarrigo informed the Committee that she and OSC Bazenas participated in meeting with the residents of Brook Village and Centredale Manor. The manager of Brook Village expressed some concerns regarding the displacement of cars during sampling activities as well as the accessibility of handicapped parking slots to handicapped residents.

The third agenda item dealt with an update regarding the NPL. RIDEM member Waldeck informed the Committee that (to date) there is no new information regarding local and state support for listing the site on the NPL.

Other items discussed by the Committee were as follows:

OSC Bazenas informed the Committee that EPA Remedial Project Manager (RPM), Anna Krasko, visited the site on 6 July 1999.

The next Committee meeting will be held at 1:00 pm on 14 July 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site File, North Providence, Providence County,
Rhode Island. TDD No. 99-05-0206, PCS No. 7046, DC No. R-2021

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator (OSC)
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical
Assessment and Response Team (START) 

DATE: 2 August 1999

SUBJECT: 21 July 1999 Management Action Committee Meeting Regarding Contamination
of the Centredale Manor Site and the Woonasquatucket River

On 21 July 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 21 July 1999 meeting included the following: EPA OSC Ted Bzenas; EPA Team Leader (TL) Richard Boynton; Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck; Agency for Toxic Substance Disease Registry (ATSDR) Senior Regional Representative Louise House; Rhode Island Department of Health (RI DOH) representative Dr. Bob Vanderslice; Urban Rivers Team (URT) representative Eugenia Marks; and Municipal Affairs member for the Office of the Governor of Rhode Island, Anthony Phillips.

Also present at the meeting were EPA Community Relations representative Angela Bonarrigo, EPA State of Rhode Island Ecosystems Protection Team Leader Robert Mendoza, and START member Renata E. Wynnyk.

The agenda of this meeting was to discuss: 1) the field work update; 2) the Community Outreach update; and 3) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item involved a discussion regarding field work activities. OSC Bzenas informed the Committee that subsurface soil sampling is continuing, and that 530 soil samples have been collected (to date) and shipped off site for analyses. Some of the 530 samples (approximately 160) have been submitted for Quality Assurance/Quality Control (QA/QC) purposes.

OSC Bzenas informed the Committee that analytical data are being received continuously. In regards to some of the preliminary data, he informed the Committee that some isolated locations of polychlorinated biphenyls (PCB) contamination as well as various volatile organic compounds (VOCs) have been identified. OSC Bzenas also informed the Committee that the subsurface soil sampling survey is nearing completion and that sediment sampling adjacent to Allendale Dam should be completed this week. In addition, sampling of residential properties is tentatively scheduled to begin on 23 July 1999. Two surface soil samples were collected on the Johnston side of the Woonasquatucket River, along the greenway which is owned by Narragansett Electric Company (NEC). OSC Bzenas updated the Committee on the status of fencing. Specifically, cedar fencing is currently being installed on portions of the Centredale Manor property, and a chain-link fence subcontractor will be available to EPA after 23 July 1999. In addition, all the residential properties located adjacent to Allendale Pond will be encouraged to allow EPA to install permanent fencing.

The second agenda item dealt with an update regarding the Community Outreach update. Ms. Bonarrigo handed out copies of a Press Release to committee members. The purpose of the Press Release was to remind the local community of the hazards associated with the Woonasquatucket River, and to review the precautions to take in avoiding contamination during certain recreational activities. Ms. Bonarrigo was satisfied with the coverage provided by the local newspapers of the Press Release. Ms. Bonarrigo also informed the Committee that the EPA Website page has been updated with additional information related to the Centredale Manor site. In addition, Ms. House informed the Committee that ATSDR would be sending out an informational packet to approximately 55 family practice physicians in North Providence and Johnston. A Committee member suggested that local Health Management Organizations (HMOs) be included in the informational packet mailing.

The third agenda item dealt with other items discussed by the Committee. EPA TL Boynton briefly discussed some items pertaining to an EPA Remedial Program Scope of Work. The EPA Remedial Project Manager (RPM), Anna Krasko, has submitted a Remedial Scope of Work to the EPA Contracting Office. EPA TL Boynton has also invited Ms. Krasko to attend the Committee meetings.

Dr. Vanderslice informed the Committee that the analytical results of the RI DOH fish sampling survey are expected the week of 7 August 1999.

The next Committee meeting will be held at 1:00 pm on 4 August 1999.

REW: rew

cc: J. Carlson
P. Connell

R: 99050206\MEET22.wpd

MEMORANDUM

TO: Centredale Manor Site File, North Providence, Providence County,
Rhode Island. TDD No. 99-05-0206, PCS No. 7046, DC No. R-2036

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical
Assessment and Response Team (START) *(RW)*

DATE: 31 August 1999

SUBJECT: 4 August 1999 Management Action Committee Meeting Regarding Contamination
of the Centredale Manor Site and the Woonasquatucket River

On 4 August 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 4 August 1999 meeting included the following: EPA On-Scene Coordinator (OSC) Ted Bzenas; EPA Team Leader Richard Boynton; Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck; Urban Rivers Team (URT) representative Eugenia Marks; and North Providence Mayor's Office representative Cheryl Bozzi.

Also present at the meeting were EPA Community Relations representative Angela Bonarrigo, and START member Renata E. Wynnyk.

The agenda of this meeting was to discuss: 1) the community outreach update; 2) the field work update; and 3) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item dealt with a discussion regarding a community outreach update. Ms. Bonarrigo handed out a proposed list of local physicians and Health Maintenance Organizations (HMOs) which was prepared by Ms. Louise House (Senior Regional representative for the Agency for Toxic Substance and Disease Registry [ATSDR]). This list included physicians from the Johnston, North Providence, and Smithfield areas, to which ATSDR will be sending out dioxin information packet. Also, Ms. Bonarrigo briefly discussed the EPA Community Relations Plan (the Plan) for the site. The Plan includes recommended activities (i.e., newsletters, press releases) to increase public awareness/public outreach. An anticipated draft version of the Plan will be available to the Committee by 18 August 1999.

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The second agenda item involved a discussion regarding field work activities. OSC Bzenas informed the Committee that soil sampling at the Brook Village and Centredale Manor properties has been completed (at least for this phase of the Removal Action). Moreover, soil sampling at the majority of the residential properties adjacent to the Woonasquatucket floodplain has been completed. OSC Bzenas is awaiting signed access agreements (from the various owners) prior to proceeding with sampling of the remaining residential properties.

OSC Bzenas also updated the Committee on the status of permanent fencing. Cosco Fence Company (Cosco) was subcontracted by the Emergency Rapid Response Service (ERRS) subcontractor. Cosco has installed sections of chain-link fencing on the Centredale Manor property. In addition, Cosco is proceeding with installation of chain-link fencing at residential properties located adjacent to the drainage swale on the site. A section of chain link fencing will be installed on the NEC property, located on the Johnston side of the Woonasquatucket River. A brief discussion ensued regarding appropriate warning signs for the permanent fences.

The third agenda item dealt with other items discussed by the Committee. RI DEM representative Waldeck informed the Committee that the Director of RI DEM is reviewing a draft letter recommending listing of the site onto the National Priorities List (i.e., Superfund).

The next Committee meeting is scheduled for 1:00 pm on 18 August 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site File, North Providence, Providence County,
Rhode Island. TDD No. 99-05-0206, PCS No. 7046, DC No. R-2040

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bazenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical
Assessment and Response Team (START) *REW*

DATE: 10 September 1999

SUBJECT: 18 August 1999 Management Action Committee Meeting Regarding Contamination
of the Centredale Manor Site and the Woonasquatucket River

On 18 August 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 18 August 1999 meeting included the following: EPA On-Scene Coordinator (OSC) Ted Bazenas; EPA Team Leader (TL) Richard Boynton; Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck; Rhode Island Department Of Health (RI DOH) representative Dr. Robert Vanderslice; State Senator John Celona; North Providence Mayor Ralph Mollis; Urban Rivers Team (URT) representative Eugenia Marks; North Providence Mayor's Office representative Cheryl Bozzi; and Municipal Affairs member for the Office of the Governor of Rhode Island, Anthony Phillips.

Also present at the meeting were EPA Community Relations representative Angela Bonarrigo, EPA Headquarters Removal Coordinator Art Johnson, Rhode Island River Navigator Johanna Hunter, START member Renata E. Wynnyk, and a photographer and reporter from the Providence Journal.

The agenda of this meeting was to discuss: 1) the field work update; 2) the American Heritage River update; and 3) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item involved a discussion regarding field work activities. OSC Bazenas distributed a copy of a Pollution Report (POLREP #1) to the Committee, and briefly discussed its contents. Special attention was given to the cost information section of the POLREP. In addition, OSC Bazenas informed the Committee that soil sampling (for this phase of the Removal Action)

has been completed; this included the collection of soil samples at residential properties adjacent to Allendale Pond. Preliminary analytical data are being received on a daily basis. OSC Bzenas explained that the data validation is on-going, and that the dioxin results remain consistently in the low parts per billion (ppb) range. OSC Bzenas informed the Committee that EPA's Remedial Program is preparing to become involved in site activities; as part of their involvement, sediment and surface water samples may be collected. In addition, OSC Bzenas informed the Committee that chain-link fencing will extend from the Cumberland Farms property (located north of the site) down to the Allendale Dam. Most property owners opted for a chain-link fence, with one property owner opting for a cedar picket fence.

The second agenda item involved a brief presentation regarding the American Heritage River update. Ms. Hunter, the designated Rhode Island River Navigator, introduced herself and gave a brief overview of the Heritage River Program. Ms. Hunter also distributed a draft copy of an action item list. This list includes cultural, economic, and historical interest projects that may be developed along the Woonasquatucket River in the future. Ms. Hunter also stated that she is interested in any community-specific issues as they relate to the future uses and development of the Woonasquatucket River.

The third agenda item dealt with other items discussed by the Committee. EPA TL Boynton informed the Committee that a draft copy of the Hazardous Ranking System (HRS) listing package is awaiting a letter of support from the Governor of Rhode Island. He strongly urged that this letter be prepared (in a timely manner) so that the HRS listing package can be sent to EPA Headquarters by September 1999. TL Boynton also presented a proposed new site name, "Centredale Manor Restoration Superfund Site", to be used in the future. Mayor Mollis informed the Committee that after several weeks of researching other community's experiences with the Superfund listing process, the Town of North Providence supports a Superfund listing for the site. Mayor Mollis was in concurrence with the renaming of the site, as proposed by TL Boynton. Mayor Mollis will be drafting a letter this week to the Governor of Rhode Island, restating the Town's position and support for a Superfund listing.

State Senator Celona asked about how the Superfund monies are prioritized. TL Boynton replied that generally speaking, Superfund monies are prioritized by need.

The next Committee meeting is scheduled for 1:00 pm on 1 September 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site File, North Providence, Providence County,
Rhode Island. TDD No. 99-05-0206, PCS No. 7046, DC No. R-2073

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical
Assessment and Response Team (START) *RE*

DATE: 15 September 1999

SUBJECT: 1 September 1999 Management Action Committee Meeting Regarding
Contamination of the Centredale Manor Site and the Woonasquatucket River

On 1 September 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 1 September 1999 meeting included the following: EPA On-Scene Coordinator (OSC) Ted Bzenas; EPA Team Leader (TL) Richard Boynton; Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck; Agency for Toxic Substance Disease Registry (ATSDR) Senior Regional Representative Louise House; State Senator John Celona; Urban Rivers Team (URT) representative Eugenia Marks; North Providence Mayor's Office representative Cheryl Bozzi; and Municipal Affairs member for the Office of the Governor of Rhode Island, Anthony Phillips.

Also present at the meeting were EPA Community Relations representative Angela Bonarrigo, EPA Remedial Project Manager (RPM) Anna Krasko, and START member Renata E. Wynnyk.

The agenda of this meeting was to discuss: 1) the field work update; and 2) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item involved a discussion regarding field work activities. OSC Bzenas informed the Committee that the installation of fencing in residential areas is continuing, and that EPA's contractor has begun clearing trees and underbrush on portions of the Centredale Manor and Brook Village properties. OSC Bzenas also mentioned that an engineering survey (of the site) will be completed. This survey will locate manmade structures, will denote site elevations, and will incorporate a profile (i.e. cross-section) of the Woonasquatucket River. OSC Bzenas distributed a copy of unvalidated (i.e. draft) sample results. The draft results were tabulated alphabetically (by analyte), and then listed from highest to lowest concentrations. A discussion ensued among the

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Committee members regarding the best methods to use in presenting the sample results; this issue will be revisited in subsequent meetings. OSC Bzenas reiterated that the data is still being validated, and that approximately one-third of the data packages have been validated to date. The draft results were returned to the OSC at the conclusion of the meeting.

The second agenda item dealt with other items discussed by the Committee. EPA TL Boynton introduced RPM Anna Krasko to the Committee. RPM Krasko discussed the role of EPA's Remedial Program, and informed the Committee that remedial activities will be initiated in conjunction with the ongoing removal activities. Moreover, Ms. Krasko stated that their contractor (TetraTech) is planning to collect between 150 and 300 sediment and surface water samples. This sampling is anticipated to begin in October or November 1999, and will extend from the Rt. 44 Bridge down to Lymansville Dam. In addition, possible soil gas sampling and the installation of groundwater monitoring wells is being considered. Ms. Krasko explained to the Committee that the Remedial Program will be looking at the long-term issues, including health assessments and the ecological impact that contaminants at the site may pose.

Anthony Phillips distributed a copy of a letter from Rhode Island Governor Lincoln Almond to EPA Regional Administrator John DeVillars, which conveyed his support for the inclusion of the Centredale Manor Site on the Federal National Priorities List.

The next Committee meeting is scheduled for 1:00 pm on 15 September 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site File, North Providence, Providence County,
Rhode Island. TDD No. 99-05-0206, PCS No. 7046, DC No. R-2074

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical
Assessment and Response Team (START) *(Signature)*

DATE: 15 September 1999

SUBJECT: 8 September 1999 Management Action Committee Meeting Regarding
Contamination of the Centredale Manor Site and the Woonasquatucket River

On 8 September 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 8 September 1999 meeting included the following: EPA On-Scene Coordinator (OSC) Ted Bzenas; EPA Team Leader (TL) Richard Boynton; Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck; North Providence Mayor's Office representative Cheryl Bozzi; and Municipal Affairs member for the Office of the Governor of Rhode Island, Anthony Phillips. Members not attending were Agency for Toxic Substances and Disease Registry (ATSDR) Senior Regional Representative Louise House, State Senator John Celona, and Rhode Island Department of Health (RI DOH) Dr. Robert Vanderslice.

Also present at the meeting were EPA Community Relations representative Angela Bonarrigo, and START member Renata E. Wynnyk.

The agenda of this meeting was to discuss: 1) the field work update; 2) recent community outreach activities; and 3) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item involved a discussion regarding field work activities. OSC Bzenas discussed the detection of volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and polychlorinated biphenyls (PCBs) in subsurface soil samples. In addition, OSC Bzenas presented a draft sample location map; the map also contained preliminary sample results for VOCs and dioxin. A discussion ensued regarding the major source areas (i.e., areas of contamination) as depicted on the map. OSC Bzenas informed the Committee that, under the Removal Program, there

were limited available options to address these source areas. OSC Bzenas then discussed the following three options: 1) excavation and off-site disposal of the material, 2) capping of the material in conjunction with providing additional site security (such as additional fencing), and 3) complete fencing, with no further Removal Program actions. In regards to excavation of the material (the first option), OSC Bzenas conveyed the following concerns: the potential for uncontrolled vapor releases and/or explosions; the logistical requirements for excavating, stockpiling, and loading the material; and the potential temporary relocation of residents. In regards to capping (the second option), OSC Bzenas informed the Committee that this would entail placing a protective soil cap (i.e., an interim cap) on top of the three highly contaminated areas to prevent access to contaminated surface soil and to prevent the erosion of contaminated soil. Attending Committee members agreed that the second option (i.e., capping) was the preferred option.

OSC Bzenas next discussed the revised Action Memorandum (Memo) that is being prepared for the property. The revised Action Memo will include the following: 1) an Inter-Agency Agreement between EPA and the Army Corps of Engineers (ACOE) to complete a Flood Evaluation Study; 2) the placement of an interim protective cap (Cap No. 1) over the (formerly) wooded area immediately south of the Centredale Manor parking lot; 3) the placement of an interim protective cap (Cap No. 2) over the grass-covered area between the Woonasquatucket River and the Centredale Manor building (i.e., the "oxbow" area); 4) the placement of an interim protective cap (Cap No. 3) at the northern edge of Allendale Pond, which will require additional sampling to determine the horizontal extent of contamination and thus the area requiring a cap; 5) the installation of flood control devices/structures as deemed necessary by the ACOE; and 6) the reconstruction of the former tailrace along the eastern portion of the site.

The OSC discussed the proposed timetable for the interim cap construction, and mentioned that the EPA's Emergency Rapid Response Service (ERRS) contractor has already begun clearing the wooded area, and that an engineering survey of the entire site is tentatively scheduled to begin next week. Construction of the interim cap is expected to be continue throughout the fall and winter months, weather permitting.

The second agenda item dealt with community outreach activities. EPA Community Relations representative Bonarrigo proposed a meeting with the residents of Brook Village and Centredale Manor to update them on present and future site activities. In addition, the possibility of having an "open house" on site during construction activities was mentioned. Ms. Bonarrigo informed the Committee that a draft Press Release and a draft Fact Sheet will be provided at the next Committee meeting.

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The next Committee meeting is scheduled for 1:00 pm on 15 September 1999.

Note: The members of the Committee who were not present were contacted by phone by Ms. Bonarrigo and informed of the outcome of this meeting.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site File, North Providence, Providence County,
Rhode Island. TDD No. 99-05-0206, PCS No. 7046, DC No. R-2080

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bazenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical
Assessment and Response Team (START) *(RW)*

DATE: 19 October 1999

SUBJECT: 15 September 1999 Management Action Committee Meeting Regarding
Contamination of the Centredale Manor Site and the Woonasquatucket River

On 15 September 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 15 September 1999 meeting included the following: EPA On-Scene Coordinator (OSC) Ted Bazenas; Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck; Agency for Toxic Substance Disease Registry (ATSDR) Senior Regional Representative Louise House; Rhode Island Department of Health (RI DOH) representative Dr. Bob Vanderslice; State Senator John Celona; and Municipal Affairs member for the Office of the Governor of Rhode Island, Anthony Phillips.

Also present at the meeting were EPA Section Chief Steve Novick, EPA Remedial Project Manager (RPM) Anna Krasko, EPA Case Attorney Catherine Garypie, EPA Enforcement Coordinator Sharon Fennelly, EPA Community Relations representative Angela Bonarrigo, Brook Village Residence Manager Doreen Glasgow, Centredale Manor Residence Manager Anne Vaccaro, and START member Renata E. Wynnyk.

The agenda of this meeting was to discuss: 1) the field work update; 2) community outreach activities; and 3) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item involved a discussion regarding recent field work activities. EPA Community Relations representative Bonarrigo reviewed the various removal options, which were discussed in the 8 September 1999 Committee meeting. Ms. Bonarrigo emphasized that the direction of site activities has shifted from potentially excavating the material to the placement of

an interim protective cap. OSC Bzenas distributed a copy of the Action Memorandum (Memo) Addendum to the Committee. Provisions of the Action Memo Addendum include the following: 1) EPA will enter into an Inter-Agency Agreement with the Army Corps of Engineers (ACOE) to complete a Flood Evaluation Study of the site; included in this study will be flood control options and designs; 2) an interim protective cap (Interim Cap No. 1) will be installed over the (formerly) wooded area immediately south of the Centredale Manor parking lot; 3) an interim protective cap (Interim Cap No. 2) will be installed over the grassy area between the Woonasquatucket River and the Centredale Manor building (i.e., the oxbow area); the proximity of Interim Cap No. 2 to the river may necessitate the construction of a sizable flood control berm to control erosion of the cap; 4) an interim protective cap (Interim Cap No. 3) may be installed at the northern edge of Allendale Pond; additional sample collection will be necessary to complete the characterization of this area; 5) the need for flood control structures will be evaluated by the ACOE; 6) the former tailrace at the eastern edge of the site may be reconstructed. During this review of the Action Memo Addendum, OSC Bzenas reviewed with the Committee where these activities will take place using a draft sampling plan map. OSC Bzenas discussed the proposed timetable for the interim cap construction, mentioning that the EPA's Emergency Rapid Response Services (ERRS) contractor has already begun clearing the wooded area, and that an engineering survey of the entire site is tentatively scheduled to begin next week. Construction is expected to be ongoing throughout the fall and winter months, weather permitting.

The second agenda item dealt with community outreach activities. Ms Bonnarigo distributed a draft copy of the Press Release and the Fact Sheet to the Committee for their review and comment. Ms. Bonnarigo informed the Committee that on 16 September 1999, OSC Bzenas, State Senator Celona, EPA Enforcement Coordinator Fennelly, and North Providence Mayor's Office Representative Cheryl Bozzi would be sponsoring a meeting with the residents of Brook Village and Centredale Manor to update them on present and future site activities. It is anticipated that the Press Release will be distributed on 16 September 1999, sometime during the afternoon. In addition, OSC Bzenas discussed the possibility of having an "open house" on site during construction activities.

Other items discussed during the meeting included EPA Case Attorney Catherine Garypie's update regarding enforcement activities. Ms. Garypie informed the Committee that since January 1999, the Enforcement Section has continued to collect information regarding past site activities. In addition, Ms. Garypie explained that it is difficult to document liability going back 30 to 40 years and through several company mergers. She explained that there are four categories of potentially responsible parties (PRPs). These categories are as follows: 1) current owner/operators; 2) past owner/operators; 3) transporters of waste; and 4) generators of waste. Moreover, EPA has issued Notice Letters to the following three parties: the Centredale Manor Associates Limited Partnership, the Brook Village, and the New England Container Company, Inc. Ms. Garypie

reiterated to the Committee that Notice Letters open a line of communication to EPA, and provide an opportunity to participate in cleanup activities.

In closing, several questions were raised by various participants in the meeting. Specifically, the differences between a permanent soil containment cap versus an interim soil containment cap were reviewed. It was explained that basically, a permanent cap would incorporate a more complex engineering design, in addition to utilizing permanent flood control measures.

Below (in italics) are the questions raised during the Committee meeting:

- 1) *If there is extensive flooding, will the EPA resample surface soils?*
Resampling of the soils should not be necessary, but will be evaluated as needed. Procedures will be implemented to inhibit the likelihood of flooding.
- 2) *When will the Allandale Dam be repaired?*
The ACOE will be researching and preparing a Flood Control Study of the site. Recommendations regarding the fate of the Dam will be addressed in this Study.
- 3) *Why would the current owners of Brook Village and Centredale Manor be responsible for past practices at the site?* As current owners, they fall into one category of PRPs. Notice Letters sent out by EPA are an opportunity to open up a line of communication, and to collect further information regarding past site practices. The letters are an attempt to determine liability; they are (themselves) not a confirmation of liability.

The next Committee meeting is scheduled for 1:00 pm on 22 September 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site File, North Providence, Providence County,
Rhode Island. TDD No. 99-05-0206, PCS No. 7046, DC No. R-2087

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region I Superfund Technical
Assessment and Response Team (START) *(RW)*

DATE: 19 October 1999

SUBJECT: 22 September 1999 Management Action Committee Meeting Regarding
Contamination of the Centredale Manor Site and the Woonasquatucket River

On 22 September 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 22 September 1999 meeting included the following: EPA On-Scene Coordinator (OSC) Ted Bzenas; Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck; EPA Team Leader (TL) Richard Boynton; Agency for Toxic Substance Disease Registry (ATSDR) Senior Regional Representative Louise House; Rhode Island Department of Health (RI DOH) representative Dr. Bob Vanderslice; State Senator John Celona; Urban Rivers Team representative Eugenia Marks; and North Providence Mayor's Office representative Cheryl Bozzi.

Also present at the meeting were EPA Community Relations representative Angela Bonarrigo; START member Renata E. Wynnyk; and members of the public.

The agenda of this meeting was to discuss: 1) the field work update; and 2) community outreach activities. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item involved a discussion regarding recent field work activities. OSC Bzenas informed the Committee that tree and brush clearing in one of the areas proposed to receive an interim cap (Interim Cap No. 1) was almost complete. Moreover, OSC Bzenas stated that he anticipated that the delivery of clean fill will begin next week for the construction of the interim cap. A discussion ensued among Committee members regarding the various types of vegetation to cultivate in this capped area. OSC Bzenas informed the Committee that sampling of the Woonasquatucket River floodplain in the vicinity of the Allendale Dam is proposed to begin next week, and that these sample locations are currently being identified. The majority of the samples will be analyzed for polychlorinated biphenyls (PCBs) and dioxins; however, some of the samples will also be submitted for more comprehensive analyses. The more comprehensive analyses will

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include volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and metals, in addition to PCBs and dioxins. In regards to limiting access to the river and contaminated areas, OSC Bazenas informed the Committee that the installation of chain-link fencing has been completed, and that two residential properties along Woonasquatucket Avenue are awaiting the installation of cedar fencing. OSC Bazenas also discussed fencing off a footpath that allows public access to Allendale Dam. If additional fencing is installed, a gate will be incorporated into the fence. Additionally, OSC Bazenas distributed to the Committee a copy of the second Pollution Report (i.e, POLREP No. 2).

Also as part of the field work update, OSC Bazenas briefly updated the Committee regarding activities being conducted by EPA's Remedial Program. Specifically, United States Geological Services (USGS) personnel have retrieved numerous (over 100) vapor-diffusion samples from the Woonasquatucket River and drainage tributaries. These samples are being analyzed on site by the EPA New England Regional Laboratory (NERL) mobile field laboratory. A brief discussion regarding where these samples were located ensued among the Committee. Additionally, TL Boynton distributed a copy of the Remedial Program's Sampling and Analyses Plan to the Committee. RI DEM representative Waldeck informed OSC Bazenas (and members of the Committee) that issues regarding the wetlands of the site have been raised with RI DEM Director Terry Grey, and that a meeting is planned for 23 September 1999 to discuss these issues. RI DEM is aware of future site activities, specifically the construction of an interim cap(s). RI DEM representative Waldeck indicated that wetland permit issues are not anticipated.

The second agenda item dealt with community outreach activities. EPA Community Relations representative Bonarrigo distributed a copy of the most recent Community Update (Vol. 1, No. 1) to the Committee. This Update will be distributed to those on the mailing list, and will also be made available to the residents at Brook Village and Centredale Manor. Ms. Bonarrigo informed the Committee that the meetings held at Brook Village and at Centredale Manor on 16 September 1999 were well attended. The residents were updated on present and future site activities. An "Open House" has been proposed for 21 October 1999 (with a rain date of 28 October 1999); more information to follow in subsequent Committee meetings.

The next Committee meeting is scheduled for 1:00 pm on 6 October 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Site File, North Providence, Providence County,
Rhode Island. TDD No. 99-05-0206, PCS No. 7046, DC No. R-2104

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bazenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc., Region I Superfund Technical
Assessment and Response Team (START) 

DATE: 19 October 1999

SUBJECT: 6 October 1999 Management Action Committee Meeting Regarding Contamination
of the Centredale Manor Site and the Woonasquatucket River

On 6 October 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 6 October 1999 meeting included the following: EPA On-Scene Coordinator (OSC) Ted Bazenas; Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck; Agency for Toxic Substance Disease Registry (ATSDR) Senior Regional Representative Louise House; Rhode Island Department of Health (RI DOH) representative Dr. Bob Vanderslice; Urban Rivers Team representative Eugenia Marks; North Providence Mayor's Office representative Cheryl Bozzi; and Municipal Affairs member for the Office of the Governor of Rhode Island, Anthony Phillips.

Also present at the meeting were EPA Community Relations representative Angela Bonarrigo, START member Renata E. Wynnyk, and RI DEM member Matt Destefano.

The agenda of this meeting was to discuss: 1) the field work update; 2) community outreach activities; and 3) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item involved a discussion regarding recent field work activities. OSC Bazenas informed the Committee that tree and brush clearing along the banks of the Woonasquatucket River has been initiated. In addition, fill material (to be used as the base layer of Interim Cap No. 1) is arriving on-site daily, and distribution of this material, using heavy equipment, has begun. The anticipated completion date for Interim Cap No. 1 is 29 October 1999. OSC Bazenas informed the Committee that soil and sediment sampling activities have been completed in the lower portion of Allendale Pond. A total of 47 samples [with an additional 11 quality control (QC) samples], have been shipped to the laboratory for dioxin and polychlorinated biphenyl (PCBs) analyses. The majority of these samples were collected at a depth of 0 to 6 inches, with three locations sampled

at depths greater than 6 inches. OSC Bzenas displayed a draft copy of a site map, which depicted dioxin and PCB sample results. In order to make the map more understandable to the general public, only the highest results per sample location were displayed. In addition, OSC Bzenas stated that the final validated data packages (from the soil sampling effort completed in August 1999) are anticipated to be delivered by 17 October 1999. OSC Bzenas informed the Committee that the installation of fencing (including the cedar fencing at two residential properties) has been completed. In addition, the OSC has been in contact with Mr. James Taylor, owner of The Mill Apartment Complex adjacent to the Allendale Dam, regarding the possibility of installing a fence in the vicinity of Allendale Dam.

The second agenda item dealt with community outreach activities. EPA Community Relations representative Bonarrigo and Committee members discussed several ideas for the "Open House", which has been rescheduled to 21 October 1999 with a rain date of 28 October 1999. The following hand-outs were proposed for distribution: copies of the Fact Sheets (prepared previously by ATSDR), a Centredale Manor Restoration Site Update Sheet, and the Woonasquatucket River "Do's and Don'ts". The material will be distributed as a "information packet" to allow the public to review the materials in their own homes. Subsequently, the Committee discussed potential media coverage of the event.

RI DEM member Waldeck introduced RI DEM representative Destefano to the Committee. Representative Destefano will be attending future Committee meetings, on Mr. Waldeck's behalf.

RI DOH representative Dr. Vanderslice distributed a draft bar graph depicting preliminary fish tissue sample results. Fish samples were collected in June 1999 by U.S. Fish & Wildlife. No dioxin congeners were detected in samples collected above Esmond Dam, which is located north of the Brook Village and Centredale Manor properties; however, these samples did contain relatively high concentrations of coplanar PCBs. Dr. Vanderslice explained that coplanar PCBs can exhibit dioxin-like characteristics (i.e. toxicity and molecular structure), and that they are typically present in industrial areas. The preliminary fish tissue results may indicate that an upstream source of coplanar PCBs exists. Committee members discussed these results and associated implications.

The next Committee meeting is scheduled for 1:00 pm on 13 October 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Restoration Project Site File, North Providence, Rhode Island.
TDD No. 99-05-0206, PCS No. 7046, DC No. R-2145

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc., Region I Superfund Technical
Assessment and Response Team (START) 

DATE: 4 December 1999

SUBJECT: 13 October 1999 Management Action Committee Meeting Regarding
Contamination of the Centredale Manor Site and the Woonasquatucket River

On 13 October 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 13 October 1999 meeting included the following: EPA On-Scene Coordinator (OSC) Ted Bzenas; Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck; Agency for Toxic Substance Disease Registry (ATSDR) Senior Regional Representative Louise House; Rhode Island Department of Health (RI DOH) Dr. Bob Vanderslice; Urban Rivers Team (URT) representative Eugenia Marks; North Providence Mayor's Office representative Cheryl Bozzi; North Providence Mayor Ralph Mollis; and Municipal Affairs member for the Office of the Governor of Rhode Island, Anthony Phillips.

Also present at the meeting were EPA Community Relations representative Angela Bonarrigo; START member Renata E. Wynnyk; and ATSDR representatives Bill Sweet and Juan Reyes.

The agenda of this meeting was to discuss: 1) the field work update; and 2) the "Open House" activities; and 3) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item involved a discussion regarding field work activities. OSC Bzenas informed the Committee that EPA contractors are continuing to receive and distribute fill material for use as the base layer of Interim Cap No. 1. In addition, 39 rolls of geotextile fabric have been received; the fabric will be used as a liner and its installation (as part of Interim Cap No.1) is scheduled to begin this week. OSC Bzenas also informed the Committee that he expects preliminary data results next week for soil/sediment samples collected in the vicinity of Allendale Pond. OSC Bzenas displayed a draft copy of the following site maps: 1) soil sample location map; 2) a map depicting volatile organic compound (VOC) results exceeding the RI DEM

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residential standard; 3) a map depicting semivolatile organic compound (SVOC) results exceeding the RI DEM residential standard; 4) total VOC distribution map; 5) total SVOC distribution map; 6) metals distribution map; 7) polychlorinated biphenyls (PCBs) distribution map; and 8) a dioxin distribution map. A discussion ensued among the Committee regarding the distribution pattern of on-site contaminants, including the vertical distributions of contaminants.

The second agenda item dealt with proposed "Open House" activities (tentatively scheduled for 21 October 1999). EPA representative Bonarrigo distributed a draft copy of 1999 Community Education and Outreach Activities summary sheet and requested that the Committee review and comment on the draft copy. Committee comments need to be received by 15 October 1999 for inclusion into the final copy. The Committee discussed the following items that will be displayed during the "Open House": 1) a detailed site map; 2) various posterboards showcasing site photographs; and 3) draft sample result maps. In addition, an information packet will be available to the members of the public. The Committee also discussed a media advisory and event coverage for the "Open House".

Other items discussed by the Committee include the approval and anticipated use of the new site name (e.g., Centredale Manor Restoration Project); it will be used on future site documents, and other applicable paperwork. ATSDR representative House introduced Juan Reyes and Bill Sweet, ATSDR representative Sweet will be attending the Committee meetings in lieu of Ms. House.

RI DOH member Dr. Vanderslice distributed copies of the laboratory results revealing the concentrations of PCBs and dioxin/furan compounds in fish tissue samples collected by U.S. Fish and Wildlife. Dr. Vanderslice discussed posting a Fish Advisory for affected communities. The Committee discussed the potential timing of releasing a Fish Advisory, its contents, and implications for the "Open House". Dr. Vanderslice will be presenting the fish tissue data at the URT meeting later this week. In addition, RI DOH representatives are awaiting the data evaluation and subsequent recommendations from RI DEM and the EPA prior to making any final determination on a Fish Advisory. The Committee discussed the fish tissue results, and acknowledged that the Fish Advisory (once issued) may become a part of the URT Initiative.

A question was raised regarding the use of hay bales in certain portions of the site. Specifically, the question concerned whether hay bales could be placed to divert stormwater runoff away from contaminated areas. OSC Bzenas will forward this inquiry to representatives of the Army Corps of Engineers (ACOE), who are working on a flood control design for the site.

The next Committee meeting is scheduled for 1:00 p.m. on 20 October 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Restoration Project Site File, North Providence, Rhode Island.
TDD No. 99-05-0206, PCS No. 7046, DC No. R-2146

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc., Region I Superfund Technical
Assessment and Response Team (START) 

DATE: 4 December 1999

SUBJECT: 20 October 1999 Management Action Committee Meeting Regarding
Contamination of the Centredale Manor Site and the Woonasquatucket River

On 20 October 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 20 October 1999 meeting included the following: EPA Team Leader (TL) Richard Boynton; On-Scene Coordinator (OSC) Ted Bzenas; Rhode Island Department of Environmental Management (RI DEM) member Gary Waldeck; State Senator John Celona; Rhode Island Department of Health (RI DOH) Dr. Bob Vanderslice; Urban Rivers Team (URT) representative Eugenia Marks; and North Providence Mayor's Office representative Cheryl Bozzi.

Also present at the meeting were EPA Remedial Project Manager (RPM) Anna Krasko; EPA Community Relations representative Angela Bonarrigo; and START member Renata E. Wynnyk.

The agenda of this meeting was to discuss: 1) the field work update; 2) the "Open House" activities; and 3) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item involved a discussion regarding field work activities. OSC Bzenas informed the Committee that EPA contractors have completed the distribution of fill material to be used as the base layer of Interim Cap No. 1. Current field activities consist of installing geotextile fabric over the base layer; after which, a final cover material is being placed on top of the geotextile fabric. OSC Bzenas anticipates the construction of Interim Cap No. 1 to be completed by the end of October. The Army Corps of Engineers (ACOE) will begin analysis of the Woonasquatucket River floodplain; the analysis is necessary prior to initiating the construction of Interim Cap No. 2. The validation of dioxin data continues (for residential samples and

Allendale Pond sediment/samples); OSC Bzenas informed the Committee that he anticipates receiving data summary tables next month.

RPM Krasko briefly discussed Remedial activities at the site. The Remedial Branch's contractor, NUS/Tetrattech, will begin collecting sediment and surface water samples this week. These samples will be collected from Allendale Pond down to Lymanville Pond. RPM Krasko also indicated that she is waiting to receive signed access letter agreements to some of the properties and that the anticipated duration of fieldwork would be 6 to 8 weeks.

The second agenda item dealt with the upcoming "Open House" (currently scheduled for 21 October 1999). Community Relations representative Bonarrigo displayed two posterboards and a large site map for the Committee to review. In addition, two "information packets" were provided to the Committee for review. A discussion ensued among the Committee regarding certain details which were not depicted on the site map. Specifically, some Committee members felt it may be helpful (to the public) to show fence line locations, and the locations of contamination and protective soil caps. OSC Bzenas stated that the locations of the protective caps and contamination will be verbally communicated at the "Open House". Due to the likelihood of inclement weather (which was forecast for 21 October 1999), OSC Bzenas stated that he will make a determination by 1:00 p.m. regarding the possible rescheduling of the "Open House". Committee members planning on attending the "Open House" include: North Providence Mayor Mollis; State Senator Celona; RI DOH representative Dr. Vanderslice; RI DEM representative Waldeck; URT member Marks; OSC Bzenas; and EPA Community Relations representative Bonarrigo. Members of the media will have an opportunity for interviews, and to preview the "Open House" from 3:30 p.m. to 4:00 p.m.

Other issues discussed at the meeting are as follows:

The Committee discussed a letter which was forwarded from Senator Chaffee's office regarding a local citizen's concerns with property value and mortgage refinancing issues.

EPA TL Boynton updated the Committee regarding the listing of the site on the National Priorities List (NPL). On 22 October 1999, the listing package (i.e., the Hazardous Ranking System evaluation) will be available (for 60 days) for review by the public.

RI DOH member Dr. Vanderslice commented that there has been no update regarding the fish tissue results. A discussion ensued amongst the Committee as to whether or not dioxin immunoassay kits could be of use to further delineate contamination along the Woonasquatucket River and other local environs. OSC Bzenas provided Dr. Vanderslice with the telephone number for Mr. Andy Beliveau, EPA Quality Assurance/Quality Control (QA/QC) Officer, to

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discuss issues associated with the use of immunoassay test kits.

The next Committee meeting is scheduled for 1:00 p.m. on 3 November 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Restoration Project Site File, North Providence, Providence County, Rhode Island. TDD No. 99-05-0206, PCS No. 7046, DC No. R-2178

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bazenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc. Region 1 Superfund Technical Assessment and Response Team (START) *(RW)*

DATE: 3 December 1999

SUBJECT: 3 November 1999 Management Action Committee Meeting Regarding Contamination of the Centredale Manor Site and the Woonasquatucket River

On 3 November 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) in regards to site activities. Committee members present at the 3 November 1999 meeting included the following: EPA Team Leader (TL) Richard Boynton; Rhode Island Department of Environmental Management (RI DEM) representative Gary Waldeck; State Senator John Celona; Agency for Toxic Substance Disease Registry (ATSDR) Senior Regional Representative Bill Sweet; Urban Rivers Team representative Eugenia Marks; North Providence Mayor's Office representative Cheryl Bozzi; and Municipal Affairs member for the Office of the Governor of Rhode Island, Anthony Phillips.

Also present at the meeting were EPA Site Assessment Manager (SAM) Nancy Smith, and START member Renata E. Wynnyk.

The agenda of this meeting was to discuss: 1) the field work update; 2) an update regarding listing of the site onto the National Priorities List (NPL); and 3) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item involved a discussion regarding field work activities. EPA TL Boynton informed the Committee that On-Scene Coordinator (OSC) Frank Gardner will be substituting for OSC Bazenas until 22 November 1999. TL Boynton proceeded to update the Committee regarding on-site field activities. The final grading and hydroseeding of Interim Cap No. 1 is anticipated to be completed by 12 November 1999. In addition, the construction of the base layer of Interim Cap No. 2 has been initiated. TL Boynton informed the Committee that the Flood Control Plan [which is being prepared by the Army Corps of Engineers (ACOE)] is on-going, and that its

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completion should coincide with the completion of Interim Cap No. 2. This Flood Control Plan will address erosion control issues (specifically as it relates to Interim Cap No. 2). TL Boynton anticipates receiving the validated residential soil sampling results by 10 November 1999. Specific sample results will be shared with each respective property owner in a letter format; these letters will be distributed at a future date.

Additional "Request for Access" letters were sent to residents in the area between Allendale Pond and Lymansville Pond. Property access is needed by EPA's Remedial Program to allow for the collection of samples as part of the Remedial Program evaluation, which is on-going.

The second agenda item dealt with an update regarding the listing of this site onto the NPL. TL Boynton distributed a draft Press Release to the Committee regarding the formal NPL comment period. He requested that any revisions to the draft Press Release be forwarded to Ms. Bonarrigo by noon, 4 November 1999. TL Boynton informed the Committee that the Hazard Ranking System (HRS) documents were delivered to each local repository for public review. In addition, he specified that the public comment period regarding the HRS documents expires on 22 December 1999. TL Boynton proceeded to introduce Nancy Smith, EPA SAM, to the Committee. Ms. Smith gave a brief review of the Centredale Manor Restoration Project HRS package and the evaluation process used for proposing sites onto the NPL. Ms. Smith also discussed the public comment period. Where warranted, EPA may address the technical comments and re-evaluate the HRS package. Depending on the nature and complexity of the public comments, the site potentially could be included on the NPL by the end of January 2000.

The next Committee meeting is scheduled for 1:00 pm on 1 December 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Restoration Project Site File, North Providence, Rhode Island.
TDD No. 99-05-0206, PCS No. 7046, DC No. R-2176

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc., Region I Superfund Technical
Assessment and Response Team (START) *(REW)*

DATE: 19 January 2000

SUBJECT: 1 December 1999 Management Action Committee Meeting Regarding
Contamination of the Centredale Manor Site and the Woonasquatucket River

On 1 December 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) with regard to site activities. Committee members present at the 1 December 1999 meeting included EPA Team Leader (TL) Richard Boynton; On-Scene Coordinator (OSC) Ted Bzenas; Rhode Island Department of Environmental Management (RI DEM) members Gary Waldeck and Matt DiStephano; State Senator John Celona; North Providence Mayor Ralph Mollis; Urban Rivers Team (URT) representative Eugenia Marks; and the Office of the Governor of Rhode Island representative Tony Phillips.

Also present at the meeting were EPA Community Involvement Coordinator Angela Bonarrigo; Janet Coit, a staff member from Senator Chaffee's office, and START member Renata E. Wynnyk.

The agenda of this meeting was to discuss: 1) the field work update; 2) outreach activities; and 3) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item involved a discussion regarding recent field work activities. OSC Bzenas informed the Committee that EPA contractors have completed the construction (including hydroseeding) of Interim Cap No. 1. Currently, field activities consist of securing Interim Cap No. 2 for the winter months; this has consisted of covering the eastern bank of the Woonasquatucket River with Geotextile liner and rip-rap (4-inch stones). The rip-rap cover will extend up the riverbank from Interim Cap No. 1 to the existing rip-rap located behind the Brook Village apartment building. The final design for Interim Cap No. 2 will be provided by the US

Army Corps of Engineers (ACOE), and will be completed in Spring 2000. EPA Removal Branch personnel, in conjunction with the ACOE, are currently determining the feasibility of constructing Interim Cap No. 3, which would encompass areas in Allendale Pond as well as its floodplain. Due to the impending winter weather, OSC Bzenas discussed the temporary demobilization of site personnel, office trailers and heavy equipment. OSC Bzenas anticipates that the demobilization will be completed during the week of 20 December 1999. OSC Bzenas reassured the Committee that there will be weekly visits by EPA or contractors to inspect the conditions of the installed fences and warning signs. Moreover, any required maintenance of fences and/or signs will be addressed, as necessary. In addition, EPA contractors will assist with the removal of snow during the winter months, particularly in areas adjacent to newly installed fences and/or the interim caps.

TL Boynton briefly discussed activities at the site by EPA's Remedial Program. The Remedial Program's contractor, NUS/TetraTech, has completed sediment and surface water sampling; results are anticipated in either February or March 2000. Future Remedial Program activities will have to incorporate the findings (and address any issues) resulting from the flood impact study which is currently being prepared by ACOE.

The second agenda item dealt with community outreach activities, specifically meeting and discussing residential sampling results with the respective property owners. Community Relations representative Bonarrigo informed the Committee that either she or OSC Bzenas had met with 17 out of 20 property owners whose properties were sampled. The owners were presented with an EPA cover letter, soil sample results, and a property sketch depicting sample locations. Overall, the owners were satisfied with the installed fences and with the construction of the various interim caps. At this time, no health concerns were raised by any of the owners; however, there were some issues raised regarding the following: 1) property values; and 2) increased sightings of rodents (skunks, racoons, muskrats, etc..) in the area. The remaining three property owners (who were not contacted in person) were informed by letters as to their sampling results.

Other issues discussed at the meeting are as follows:

The Committee discussed a meeting schedule for the upcoming winter months. It was proposed, and accepted, to meet twice per month. The following dates were agreed upon for future Committee meetings: 15 December 1999, 5 January and 19 January 2000, 2 February and 16 February 2000, and 1 March 2000.

Mayor Mollis and Senator Celona informed the Committee that their constituents have concerns regarding the effect a Superfund site designation may have on their property values and the real estate market. The Committee discussed the need to address financial concerns of the property

Centredale Manor Restoration Project Site File

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owners. It was suggested that an information session between EPA representatives, local officials, local realtors, and financial institutions might be helpful. This would assist with the education of these institutions in regards to the Superfund Program as well as keep these institutions updated on current site activities. The Committee also discussed using an upper-level approach to educating various financial institutions, from Governor Almond's and Senator Celona's respective offices. These issues will be further discussed at the next Committee meeting, scheduled for 1:00 p.m. on 15 December 1999.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Restoration Project Site File, North Providence, Rhode Island.
TDD No. 99-05-0206, PCS No. 7046, DC No. R-2190

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc., Region I Superfund Technical
Assessment and Response Team (START) *(RW)*

DATE: 19 January 2000

SUBJECT: 15 December 1999 Management Action Committee Meeting Regarding
Contamination of the Centredale Manor Site and the Woonasquatucket River

On 15 December 1999, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) with regard to site activities. Committee members present at the 15 December 1999 meeting included EPA Team Leader (TL) Richard Boynton; On-Scene Coordinator (OSC) Ted Bzenas; Rhode Island Department of Environmental Management (RI DEM) member Matt DiStephano; Agency for Toxic Substance Disease Registry (ATSDR) Senior Regional Representative Bill Sweet; Rhode Island Department of Health (RI DOH) representative Dr. Bob Vanderslice; North Providence Mayor's Office representative Cheryl Bozzi; Urban Rivers Team (URT) representative Eugenia Marks; and the Office of the Governor of Rhode Island representative Tony Phillips.

Also present at the meeting were EPA Community Involvement Coordinator Angela Bonarrigo; staff member Janet Coit from Senator Chaffee's office; and START member Renata E. Wynnyk.

The agenda of this meeting was to discuss: 1) the field work update; 2) outreach activities; and 3) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item involved a discussion regarding recent field work activities. OSC Bzenas informed the Committee that EPA contractors have secured Interim Cap No. 2 for the winter months. This consisted of grading the cap material and constructing a 250-foot long drainage channel (to divert stormwater runoff). In addition, the eastern bank of the Woonasquatucket River, in the area adjacent to Interim Cap No. 2, has been covered with rip-rap (4-inch stone). This area will not receive loam and hydroseed until Spring 2000. OSC Bzenas also informed the

Committee that EPA contractors secured weak spots in the chain-link fencing at Allendale Dam and at the vacant lot at 550 Woonasquatucket Avenue. OSC Bzenas proceeded to discuss the temporary demobilization of site personnel, office trailers, and heavy equipment. OSC Bzenas stated that the demobilization should be completed by the end of the week (i.e., 17 December 1999) and that a small storage trailer will remain on site during the winter months. OSC Bzenas reassured the Committee that there will be weekly visits by him or by an EPA contractor to inspect the conditions of the fences and warning signs. Moreover, any required maintenance of fences and/or signs will be addressed, as necessary. In addition, EPA contractors will assist with the removal of snow during the winter months, particularly in areas adjacent to newly installed fences and/or the interim caps.

The second agenda item dealt with community outreach activities. Meetings were held between representatives of EPA, the Mayor's Office, and the residents of Brook Village and Centredale Manor. The residents were updated on the demobilization and winter schedule. The OSC answered questions at the end of the meetings.

Other issues discussed at the meeting are as follows:

Janet Coit, staff member for Senator Chaffee, informed the Committee that Senator Chaffee is concerned about real estate issues facing his constituents who reside along the Woonasquatucket River. Moreover, Ms. Coit informed the Committee that Senator Chaffee expressed interest in a meeting with members of the Committee to discuss a strategy for resolving real estate and property value issues. The Committee discussed possible solutions/ideas. One possible solution was the generation (by EPA) of a list of contacts which could be sent to individual property owners. The individuals (on the list) would be capable of assisting home owners with questions regarding real estate transactions and liability issues.

The next Committee meeting is scheduled for 1:00 PM on 5 January 2000.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Restoration Project Site File, North Providence, Rhode Island.
TDD No. 99-05-0206, PCS No. 7046, DC No. R-2203

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bazen, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc., Region I Superfund Technical
Assessment and Response Team (START) *(RW)*

DATE: 17 February 2000

SUBJECT: 5 January 2000 Management Action Committee Meeting Regarding
Contamination of the Centredale Manor Site and the Woonasquatucket River

On 5 January 2000, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) with regard to site activities. Committee members present at the 5 January 2000 meeting included On-Scene Coordinator (OSC) Ted Bazen; EPA Team Leader (TL) Richard Boynton; Rhode Island Department of Environmental Management (RI DEM) member Matt DeStefano; Rhode Island State Senator John Celona; Rhode Island Department of Health (RI DOH) representative Dr. Bob Vanderslice; North Providence Mayor's Office representative Cheryl Bozzi; and the Office of the Governor of Rhode Island representative Tony Phillips.

Also present at the meeting were EPA Community Involvement Coordinator Angela Bonarrigo, staff member Janet Coit from Senator Chaffee's office, and START member Renata E. Wynnyk.

The agenda of this meeting was to discuss: 1) the field work update; 2) outreach activities; and 3) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item involved a discussion regarding recent field work activities. OSC Bazen informed the Committee that the U.S. Army Corps of Engineers (ACOE) is currently working on the preliminary (i.e., draft) design plans for the construction of Interim Cap No. 2. OSC Bazen further stated that he expects to receive these plans by 7 January 2000. The ACOE is also working on a flood mitigation study for the site, with an anticipated delivery date of late January 2000. A meeting between OSC Bazen and ACOE representatives to discuss the design plans and the mitigation study is anticipated in the near future. The OSC informed the Committee that the vegetative cover (i.e., grass) planted as part of Interim Cap No. 1 continues to grow. OSC

Bazenas reviewed with the Committee the underground storage tank (UST) issue that surfaced in late December 1999. Specifically, Centredale Manor Associates Limited Partnership (CMALP) had hired a contractor to remove an empty diesel fuel UST located adjacent to the apartment building. Upon learning of the proposed UST removal, OSC Bazenas discussed various health and safety issues with a representative of CMALP ; it was subsequently decided that the empty UST would not be excavated and would remain in situ. Due to mitigating circumstances, a new diesel backup tank may be installed above ground, on a concrete pad.

The second agenda item dealt with community outreach activities. EPA community relations representative Bonarrigo distributed a draft copy of the most recent version (Volume II, No. 1) of the Centredale Manor Restoration Project Site Update (Site Update) to the Committee. Committee members reviewed and discussed portions of the Site Update, particularly the section dealing with residential real estate transactions. Several minor edits were proposed and will be incorporated in the final version of the Site Update. Ms. Bonarrigo requested that all comments be submitted to her by 7 January 2000. Also, Ms. Bonarrigo is awaiting comments from the Committee regarding the draft Community Relations Plan. The Committee also discussed whether or not to include local Realtors on the mailing list for future Site Updates.

Other issues discussed at the meeting are as follows:

Senator Chaffee's Office staff member, Janet Coit, informed the Committee that the Senator is interested in meeting with EPA representatives (OSC Bazenas and TL Boynton), North Providence Mayor Ralph Mollis, and State Senator John Celona. In addition, Senator Chaffee would like to visit the site and observe the activities completed to date.

TL Boynton provided a brief update to the Committee regarding cost recovery efforts. EPA representatives have identified and discussed potential liability with the three Potentially Responsible Parties (PRPs), all of whom have declined to participate in any cleanup activities when asked by EPA. In addition, TL Boynton informed the Committee that EPA anticipates the site to be included on the National Priorities List by 20 January 2000. A brief discussion ensued regarding the levels of funding for site removal and site remedial activities. TL Boynton stated to the Committee that EPA Remedial Project Manager (RPM) Anna Krasko is submitting a draft proposal to EPA Headquarters, requesting that an Engineering Evaluation/Cost Analysis (EE/CA) be performed. The EE/CA will identify several potential long-term solutions for the site, specifically focusing on the Woonasquatucket River, residential properties along Allendale Pond, and the Allendale Dam.

The next Committee meeting is scheduled for 1:00 PM on 19 January 2000.

REW: rew
cc: J. Carlson
P. Connell
R:\99050206mect35f.wpd

M E M O R A N D U M

TO: Centredale Manor Restoration Project Site File, North Providence, Rhode Island.
TDD No. 99-05-0206, PCS No. 7046, DC No. R-2213

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc., Region I Superfund Technical
Assessment and Response Team (START) *REW*

DATE: 17 February 2000

SUBJECT: 19 January 2000 Management Action Committee Meeting Regarding
Contamination of the Centredale Manor Site and the Woonasquatucket River

On 19 January 2000, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) with regard to site activities. Committee members present at the 19 January 2000 meeting included EPA Team Leader (TL) Richard Boynton; On-Scene Coordinator (OSC) Ted Bzenas; Rhode Island Department of Environmental Management (RI DEM) member Matt DiStephano; Agency for Toxic Substances and Disease Registry (ATSDR) Senior Regional Representative Bill Sweet; North Providence Mayor's Office representative Cheryl Bozzi; and Urban Rivers Team (URT) representative Eugenia Marks.

Also present at the meeting were EPA Community Involvement Coordinator Angela Bonarrigo; staff member Janet Coit from Senator Chaffee's office; and START member Renata E. Wynnyk.

The agenda of this meeting was to discuss: 1) the field work update; 2) outreach activities; and 3) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item involved a discussion regarding recent field work activities. OSC Bzenas briefly discussed the site visit on 14 January 2000 by U.S. Senator John Chaffee. OSC Bzenas distributed copies of the *Providence Journal* covering the Senator's visit. OSC Bzenas also reviewed the highlights of a meeting between EPA and the U. S. Army Corps of Engineers (ACOE), which was held on 18 January 2000. The highlights included a discussion of financial appropriations (federal versus non-federal dollars) for the potential Allendale Dam reconstruction, and the construction of a temporary/permanent dam structure for controlling water levels in Allendale Pond. OSC Bzenas also requested the ACOE provide the EPA with a preliminary dam

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17 February 2000

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design and a reconstruction schedule. OSC Bzenas received a 25-year inundation (i.e., flood) map; other maps being generated by the ACOE include the 10-, 50-, and 100-year flood maps. OSC Bzenas received the final versions of the site engineering survey, from Guerriere and Halnon, Inc. OSC Bzenas displayed the survey maps and answered questions regarding the survey. Copies of the final engineering survey will be provided to all interested committee members.

A discussion ensued among the Committee regarding the condition of the Lymansville Dam. TL Boynton informed the Committee that analytical results from the Lymansville Pond sampling effort, (which was completed by the EPA's Remedial Program contractor) are anticipated to be received by March 2000. TL Boynton also stated that EPA Remedial Project Manager (RPM) Anna Krasko has submitted two draft Engineering Evaluation/Cost Analysis (EE/CA) proposals to EPA Headquarters. One proposal addressed the sediment contamination in Allendale Pond, and the second proposal addressed the contaminated soil located between the recently installed (barrier) fences and the perimeter of the pond.

The second agenda item dealt with community outreach activities. EPA Community Involvement Coordinator Bonarrigo distributed the final version (Volume II, No. 1) of the Centredale Manor Restoration Project Site Update (Site Update) to the Committee. This Site Update will be distributed to the individuals on the site mailing list. In addition, copies of the Site Update will also be available at the North Providence Town Hall, and at the Centredale Manor and Brook Village apartment buildings. The North Providence Mayor's Office has agreed to address real estate and/or property value issues as they are raised by local property owners.

Other issues discussed at the meeting are as follows:

URT representative Marks informed the Committee that she will be attending an upcoming URT meeting (currently scheduled for 27 January 2000), and offered to present any issues or questions generated by the Committee.

The next Committee meeting is scheduled for 1:00 PM on 2 February 2000.

REW: rew

cc: J. Carlson
P. Connell

MEMORANDUM

TO: Centredale Manor Restoration Project Site File, North Providence, Rhode Island.
TDD No. 99-05-0206, PCS No. 7046, DC No. R-2225

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: Renata E. Wynnyk, Roy F. Weston, Inc., Region I Superfund Technical
Assessment and Response Team (START) (RAW)

DATE: 17 February 2000

SUBJECT: 2 February 2000 Management Action Committee Meeting Regarding
Contamination of the Centredale Manor Site and the Woonasquatucket River

On 2 February 2000, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) with regard to site activities. Committee members present at the 2 February 2000 meeting included EPA Team Leader (TL) Richard Boynton; Rhode Island Department of Environmental Management (RI DEM) member Matt DeStephano; North Providence Mayor's Office representative Cheryl Bozzi; and Urban Rivers Team (URT) representative Eugenia Marks.

Also present at the meeting were EPA Community Involvement Coordinator Angela Bonarrigo; staff member Janet Coit from Senator Chaffee's office; Goldman Environmental Consulting (GEC) representative Sam Butcher; and START member Renata E. Wynnyk.

The agenda of this meeting was to discuss: 1) the field work update; 2) outreach activities; and 3) other items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

The first agenda item involved a discussion regarding recent field work activities. TL Boynton distributed copies of the final Engineering Survey to the Committee. Copies of the Engineering Survey will also be distributed to the two Site Repositories (e.g., the Mohr Library in Johnston and at the North Providence Library in North Providence). EPA is awaiting the requested reconstruction schedule from the U.S. Army Corps of Engineers (ACOE). TL Boynton informed the Committee that EPA Remedial Project Manager (RPM) Anna Krasko has submitted an Approval Memorandum to EPA Office of Site Remediation and Restoration Director Patricia Meaney.

Centredale Manor Restoration Project Site File
17 February 2000
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The second agenda item dealt with community outreach activities. EPA Community Involvement Coordinator Bonarrigo distributed copies of an EPA Press Release which detailed the listing of the Centredale Manor Restoration Project onto the National Priorities List (NPL). The Committee briefly discussed the contents of the Press Release. Ms. Bonarrigo also distributed the final version (Volume II, No. 1) of the Centredale Manor Restoration Project Site Update (Site Update) to the Committee.

Other issues discussed at the meeting are as follows:

URT representative Marks reviewed several topics that were discussed at the URT meeting (on 27 January 2000). The URT expressed an interest in reviewing the ACOE plans for the Allendale Dam, and reviewing the final analytical results from the EPA remedial sampling effort. Ms. Marks also mentioned that there is renewed interest (among the URT and Rhode Island Department of Health) in collecting additional fish tissue samples from rivers across the state (of Rhode Island). Ms. Marks informed the Committee that the Health and Education Division of the URT is redesigning the *Do's and Don'ts of the Woonasquatucket River* brochure to include multiple languages. Ms. Marks informed the Committee that the Rhode Island Conservation District Office is developing a slideshow regarding the use of the Woonasquatucket River. Two versions of the slideshow will be developed, one tailored for a "school-aged" audience, and the second tailored for adults.

The next Committee meeting is scheduled for 1:00 PM on 16 February 2000.

REW: rew

cc: J. Carlson
P. Connell



MEMORANDUM

TO: Centredale Manor Restoration Project Site File, North Providence, Rhode Island.
TDD No. 00-05-0052, PCS No. 1095, DC No. R-1014

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bzenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM: ^{for}  Jenifer E. Sullivan, Roy F. Weston, Inc., Region I Superfund Technical
Assessment and Response Team (START)

DATE: 25 September 2000

SUBJECT: 24 May 2000 Management Action Committee Meeting Regarding Contamination
of the Centredale Manor Site and the Woonasquatucket River

On 24 May 2000, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) with regard to site activities. Committee members present at the 24 May 2000 meeting included EPA Team Leader (TL) Richard Boynton; On-Scene Coordinator (OSC) Ted Bzenas; EPA Remedial Project Manager (RPM) Anna Krasko; EPA Public Affairs and Community Relations representative Angela Bonarrigo; Rhode Island Department of Environmental Management (RI DEM) member Matt DeStephano; Urban Rivers Team (URT) representative Eugenia Marks; Office of Rhode Island Governor Almond representative Tony Phillips; Office of Rhode Island Senator Chafee representative Ian Lang; and North Providence Mayor Mollis. Also present at the meeting was START member Jenifer Sullivan.

The agenda of this meeting was to discuss: 1) Technical Update; 2) Community Outreach Update; and 3) Other Items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

With regard to the Technical Update, OSC Bzenas informed the Committee that Loureiro Engineering Associates, Inc. (LEA), a contractor for the Potentially Responsible Parties (PRPs), has been working on site since 15 May 2000. LEA has completed the perimeter of Interim Cap No. 2 and its associated berm. LEA will be placing loam along a berm where Geotextile has not been anchored with loam previously. OSC Bzenas indicated that he has been monitoring LEA and will continue to do so for the next few of weeks, during which time the work is expected to be finished. OSC Bzenas also informed the Committee that after the next 2 weeks, the goals of the EPA Removal Program will have been accomplished. Moreover, the EPA Remedial Program will be handling further investigation and remediation activities, and the START contractor will generate a summary report documenting all activities completed by the EPA Removal Program to date.

RPM Krasko distributed copies of the Draft Final Work Plan/Engineering Evaluation-Cost Analysis, dated May 2000, which was completed by NUS/TetraTech. RPM Krasko reviewed various sections

of the work plan to provide the Committee with an overview of its contents. She also showed the Committee a draft memorandum regarding sampling results including two volumes of data tables. She indicated that, due to its size, she may distribute copies of the memorandum on a Compact Disc (CD) to interested Committee members. RPM Krasko displayed draft maps of the areas surrounding the various dams areas and reviewed polychlorinated biphenyl (PCB) and dioxin results generated from sampling events in these areas. She indicated that she may have final maps for distribution at the next meeting.

In regards to the Community Outreach Update, EPA Public Affairs and Community Relations representative Angela Bonarrigo stated that approximately 35 letters have been distributed to property owners in the area to keep local residents updated. Ms. Bonarrigo also stated that the letters included the standard precautions for residents such as avoidance of ingestion of fish from the river. Ms. Bonarrigo informed the Committee that a press release was completed announcing that the PRPs were performing work at the site. She also stated that inquiries are being made to determine if there is any interest from the residents of the Allendale Dam Apartments in having an informational meeting. OSC Bzenas informed the Committee of the 16 May 2000 informational meetings held at the Centredale Manor Apartments and the Brook Village Apartments and indicated that another meeting may be scheduled.

The Committee discussed the possibility of making informational literature available at local businesses (e.g., bait shops) regarding precautions on fish ingestion and other issues.

Other Items discussed at the Committee meeting include the following:

OSC Bzenas indicated that an EPA contractor will perform repairs to various sections of fence where children may be gaining access to contaminated areas along the river.

TL Richard Boynton mentioned the draft findings of the new EPA dioxin assessment, which were discussed by the Committee.

The next Committee meeting is scheduled for 1:00 p.m. on 7 June 2000.

cc: J. Carlson
P. Connell



MEMORANDUM

TO: Centredale Manor Restoration Project Site File, North Providence, Rhode Island.
TDD No. 00-05-0052, PCS No. 1095, DC No. R-1105

cc: Richard Boynton, U. S. Environmental Protection Agency Team Leader
Ted Bazenas, U. S. Environmental Protection Agency On-Scene Coordinator
Angela Bonarrigo, U. S. Environmental Protection Agency Public Affairs and
Community Relations

FROM:  Jenifer E. Sullivan, Roy F. Weston, Inc., Region I Superfund Technical
Assessment and Response Team (START)

DATE: 25 September 2000

SUBJECT: 7 June 2000 Management Action Committee Meeting Regarding Contamination
of the Centredale Manor Site and the Woonasquatucket River

On 7 June 2000, a meeting was conducted by the Management Action Committee (Committee) at the North Providence Town Hall located on Smith Street in North Providence, Providence County, Rhode Island. The Committee is acting as an advisory board to the U.S. Environmental Protection Agency (EPA) with regard to site activities. Committee members present at the 7 June 2000 meeting included EPA On-Scene Coordinator (OSC) Ted Bazenas; EPA Remedial Project Manager (RPM) Anna Krasko; EPA Public Affairs and Community Relations representative Angela Bonarrigo; Rhode Island Department of Environmental Management (RI DEM) member Matt DeStephano; Agency for Toxic Substances and Disease Registry (ATSDR) Senior Regional Representative Bill Sweet; Urban Rivers Team (URT) representative Eugenia Marks; Office of Rhode Island Governor Almond representative Tony Phillips; Office of Rhode Island Senator Chafee representative Ian Lang; and North Providence Mayor Mollis. Also present at the meeting was START member Jenifer Sullivan.

The agenda of this meeting was to discuss: 1) Technical Update; 2) Community Outreach Update; and 3) Other Items. Additionally, group comments and concerns would be addressed as the meeting proceeded.

With regard to the Technical Update, OSC Bazenas informed the Committee that the sprinkler system at the Brook Village Apartments was accidentally broken last fall by heavy equipment used by EPA during the removal; repairs were completed last week. In addition, OSC Bazenas had received bids from subcontractors to repair worn and/or damaged sections of pavement. Based on discussions with the managers of Brook Village and Centredale Manor, the property owners were contemplating repaving the entire parking areas. A discussion ensued among the Committee regarding the necessary thickness of any new pavement to increase its effectiveness as a preventative cap. OSC Bazenas reviewed with the Committee that future site activities will be conducted by EPA's Remedial Program along with the Army Corps of Engineers (ACOE). OSC Bazenas also informed the Committee that the START contractor is generating a Chronological Summary Report detailing (week by week) site activities during the past year, and that this report would be made



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
1 CONGRESS STREET, BOSTON, MA 02114**

**Management Action Committee (MAC) meeting
June 28, 2000
Centredale Manor Restoration Project
North Providence , Rhode Island**

Attendees:

Cheryl Bozzi, North Providence Mayor office
Eugenia Marks, Urban Rivers Team and Audubon
Janet Coit, Sen. Lincoln Chafee's office
Bill Sweet, ATSDR
Angela Bonarrigo, EPA community relations
Richard Boynton, EPA team leader
Anna Krasko, EPA remedial project manager
Cornell Rosiu, EPA ecological risk assessor

Agenda:

• Technical Update

- Work on the second cap under Emergency Response is nearly completed, the PRPs will submit completion report shortly (Dick Boynton);
- Field work (biota data collection with assistance from USGS LaCross Wisconsin scientists) for the tree swallow study under the ecological risk assessment is completed; data will be analyzed under an IAG with COE. Three swallow population in the Allendale Pond appears to show signs of stress as opposed to the reference location at the Greystone Mill Pond (Cornell Rosiu). Work Assignment has been issued to the COE to perform the eco risk assessment; fish sampling by electroshock/nets to assure QA is the next data collection effort. Need to plan for risk communications, exposure pathways to birds v. humans; suggested Q&A sheet for public in a future (Eugenia Marks);
- Copies of Technical Memorandum with Fall 1999 sediment data distributed to libraries and MAC members within the last two weeks (Anna Krasko).
- EPA started planning for the next phase of the RI by issuing WA to TetraTech after negotiations with the PRPs concluded with no agreement reached. The next phase of the

RI will focus on the source of groundwater contamination and groundwater/surface water discharges into the River. Plans to start field work (installation of monitoring wells, etc.) in March 2001, after the contractor develops work plan and field sampling program (Anna Krasko). Yatch club concern for their water, potential gw withdraws by industrial facilities in Johnston (Eugenia Marks). Questions about availability of funds (Janet Coit).

- Community outreach

- Seniors at Centredale seemed somewhat upset at last community meeting on 6/7/00; concern about dioxin reassessment and the latest article in Providence Journal (Cheryl Bozzi);

- August/September 2000 - EPA plans a meeting with Falco Drive residents prior to a larger public information meeting.

- Other items

- Schedule of upcoming activities (Anna Krasko):

- July 2000 - EE/CA drafts from TetraTech for EPA's review

- August/September - copies of EE/CA report to MAC

- September - public informational meeting, to be followed by a 30-day comment period with a public hearing

- Winter 2000 - Action memo with selected NTCRA

- Winter/Spring 2000/2001 - design of the NTCRA

- Summer/Fall 2001 - construction;

- Discussion on sediment dredging legislation restrictions;

- Next MAC meeting dates are 7/26/2000 and 8/9/2000.

Handouts:

- Draft July 2000 News Update for comments by July 7th

- Package with EPA HQ press releases on draft dioxin reassessment release, dated June 12, 2000

- Package with EPA HQ press release on House of Representatives Action on EPA's appropriation bill for Year 2001 and the language from the House Appropriation Committee Report on a restriction on dredging or other invasive technologies for contaminated sediments adopted by the House

- EPA also demonstrated to the MAC members a copy of its latest report entitled Aerial Photographic Analysis for the Centredale Manor Site Subarea, dated June 2000



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
1 CONGRESS STREET, BOSTON, MA 02114**

**Management Action Committee (MAC) meeting
July 26, 2000
Centredale Manor Restoration Project
North Providence , Rhode Island**

Attendees:

Cheryl Bozzi, North Providence Mayor office
Eugenia Marks, Urban Rivers Team and Audubon
Ian Lang, Sen. Lincoln Chafee's office
Bill Sweet, ATSDR
Matt DeStefano, RIDEM
Bob Vanderslice, RIDOH
Angela Bonarrigo, EPA community relations
Richard Boynton, EPA team leader
Anna Krasko, EPA remedial project manager

Agenda:

• **Technical Update (A. Krasko)**

- EPA issued Work Assignment thru IAG with COE and met with contractors (Battelle) for the Baseline Ecological Risk Assessment (BERA). The work will include biota sampling next Spring and ecological risk evaluations. Draft Work Plan is due in about 30 days with work completed and report submitted in Winter 2001. The data will also be used for the fish consumption evaluations for the human health risk assessment as part of the RI;

- EPA met with TetraTech to scope phase II of the RI field work- source area groundwater investigation. May start work this Fall and continue next Spring. Most work will be at and near Centredale manor property, including installation of monitoring wells on parking lots and in capped areas; additional sediment samples will be collected downstream of Lymansville Dam;

- Public comment period for EE/CA this Fall. Used draft maps to discuss possible removal scenarios with and without restoration of Allendale Dam:

- EPA plans to recommend replacement of Allendale Dam and

- remove contaminated soil/floodplain sediment from residential-use properties with 10-year floodplain being the general edge of work which in most areas inside of the EPA-installed fence (total estimated volume of sediment ~2,500 c.y. to be removed off-site)
- Why restore the Dam (B. Vanderslice)?
 - community and the Town sentiment (they expressed a desire to restore the pond water levels)
 - central to future work in Allendale Pond - control water levels
 - mitigate release of contaminated sediment further downstream
- Was capping of sediments in Allendale Pond considered in the EE/CA (E. Marks)?
 - No alternative on capping of the Pond bottom is in the EE/CA. Need to complete the eco risk and fish consumption risk as part of the RI to justify such action
- Action memo with the selected non-time-critical removal action is planned for December 2000
- Earliest construction Summer and Fall 2001 (preliminary cost estimate (\$2.6 million)
 - factors outside EPA that may delay the removal action: public acceptance of the recommended alternative; availability of funds; restrictions in EPA's appropriation bill on EPA's authority to conduct/order intrusive (dredging/capping) actions on sediments
- Update on approach to improvements on the drainage ditch behind Centredale Manor:
 - Centredale Manor's residents complain about odors (non-superfund issue)
 - ACOE plans to complete the flood evaluation by the end of this August
 - Any hydraulics will need to include future increases in peak flows due to development (such as planned Post Office construction). Superfund Program will coordinate with Johanna Hunter
- Community outreach (A. Bonarrigo)
 - July 2000 News Update distributed to MAC at the meeting; out to Press on July 31st
 - EPA plans Fall outreach activities fir EE/CA
- Other items
 - Next MAC meeting is on 8/9/2000
 - At next meeting will discuss specifics of public meetings and requested presentation on EE/CA to MAC (dry run)

Handouts:

- Final July 2000 News Update



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
1 CONGRESS STREET, BOSTON, MA 02114**

**Management Action Committee (MAC) meeting
August 9, 2000
Centredale Manor Restoration Project
North Providence , Rhode Island**

Attendees:

Janet Coit, Sen. Lincoln Chafee's office
Ian Lang, Sen. Lincoln Chafee's office
Matt DeStefano, RIDEM
Angela Bonarrigo, EPA community relations
Richard Boynton, EPA team leader
Anna Krasko, EPA remedial project manager

Agenda:

• Technical Update (A. Krasko)

- Update on dredging report by the SAB concerning environmental impacts of dredging of the PCB-contaminated sediment. Since EE/CA is expected to go out for public comment this September and we do not know what, if any, language on sediment dredging will be in the EPA's appropriation bill, EPA is following the FY2000 policies for addressing dredging restrictions in the administrative record. Restrictions in the FY2001 bill may have impact on this project.

- Handed out the draft Fact Sheet for EE/CA and explain its contents; NTCRA is an interim measure and additional evaluations are being conducted. Final remedial actions will depend upon outcomes of the Baseline Ecological Risk assessment (BERA) and Human Health Risk Assessment (fish consumption exposure scenario). The NTCRA (removal of residential soils and floodplain sediments for off-site incineration) is estimated to cost \$2.6 million and takes about one construction season, beginning in the Summer of 2001.

- EPA expects a workplan from our contractor TetraTech NUS in August 2000 for the next phase of long-term investigation, which includes installation of monitoring wells and

groundwater sampling at the source areas (near Centredale Manor and Brooks Village). We also will be collecting a few additional sediment samples downstream from the Lymansville Dam.

- Community outreach (A. Bonarrigo)

- EPA will work on a schedule for public meetings, need a schedule by 8/23/00 for public meetings in September. EPA plans Fall outreach activities for EE/CA; prior to public meetings we would like to meet with individual residents that will be affected by the cleanup, including Falco Drive and Allendale Condo residents. Packets with individual dioxin data has been mailed out earlier this summer; we are working on putting together packets with data on other contaminants. We probably meet with the residents as we distribute these individual packets.

- Other items

- Next MAC meetings are on 8/23/2000 and 9/6/2000

Handouts:

- Draft EE/CA Fact Sheet for comments by August 18th
 - NAS Project Summary Fact Sheet on PCB-Contaminated Sediments, final report is expected November 30, 2000



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
1 CONGRESS STREET, BOSTON, MA 02114**

Management Action Committee (MAC) meeting
August 23, 2000
Centredale Manor Restoration Project
North Providence , Rhode Island

Attendees:

Cheryl Bozzi, North Providence Mayor office
Eugenia Marks, Urban Rivers Team and Audubon
Tony Phillips, Governor's representative
Ian Lang, Sen. Lincoln Chafee's office
Matt DeStefano, RIDEM
Gary Jablonski, RIDEM
Angela Bonarrigo, EPA community relations
Richard Boynton, EPA team leader
Anna Krasko, EPA remedial project manager

Agenda:

• Technical Update (A. Krasko, D. Boynton)

- Site Inspection of Cap #1 and Cap #2. They look fine (fully revegetated). Cap #1 has some large weeds at edges of the cap.
- Observations of Woonasquatucket river at low flow: not much flow over the Allendale Dam and the Allendale Pond is mostly dry. Lymanville Pond water level does not noticeably fluctuate, the Pond is full. Fences and don't eat the fish signs down to Lymanville all look fine.
- Some issues raised by the MAC members which need clarification in the EE/CA fact sheet:
 - we don't expect to temporary relocate the residents
 - need dust control, truck traffic control, etc.
 - need to mitigate sediment transport downstream during dam repairs
- We agreed that the MAC committee should visit the areas where EPA is proposing to be working so that they get a feeling at the level of inconvenience that work may cause.

• Community Outreach Update (A. Bonarrigo)

- The EE/CA fact sheet will be mailed to the site mailing list, including residents with whom we are planning to meet
- Angela will drop off copies at Centredale Manor and Brook Village
- Proposed schedule for outreach activities:
 - 9/6 MAC members will tour EE/CA proposed work areas
 - 9/18 to 10/2 - meet with Allendale Apartments and Falco Drive residents and one to one distribution of data (invite the mayor, other MAC members)
 - 9/28 plan to mail out EE/CA fact sheet
 - 10/3 open public comment period-press release and public notice
 - 10/10 public informational meeting 7:00 pm at the Town Hall
 - 11/1 public hearing
 - 11/3 close public comment period
- The Region will invite a representative from HQ to the public informational meeting to answer questions about the draft dioxin reassessment released in June 2000
- A copy of draft EE/CA report was given to RIDEM; comments are requested by September 1, 2000

- Other Items

- New RIDEM project manager to assist Matt - Gary Jablonski
- Next MAC meetings are on 9/6/2000

Handouts:

- Completion of Work Report for Cap #2 prepared by the PRPs' contractor LEA Associates under the Unilateral Administrative Order
- Distributed additional copies of the draft EE/CA Fact Sheet; asked for comments to be forwarded to Anna by 9/1/2000.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
1 CONGRESS STREET, BOSTON, MA 02114

Management Action Committee (MAC) meeting
September 6, 2000
Centredale Manor Restoration Project
North Providence , Rhode Island

Attendees:

Eugenia Marks, Urban Rivers Team and Audubon
Ian Lang, Sec. Lincoln Chafee's office
Matt DeStefano, RIDEM
Gary Jablonski, RIDEM
Angela Bonarrigo, EPA community relations
Richard Boynton, EPA team leader
Anna Krasko, EPA remedial project manager

Also in attendance Catherine Garypie, EPA, and Stephen Parker, Tetra Tech NUS project manager

Agenda:

The MAC meeting was followed by a site tour with the entire group to review the areas where work was planned for the NTCRA

- Technical Update (S. Parker, A. Krasko)
 - Stephen Parker explained the work proposed for the NTCRA and answered questions about the locations and possible construction methods which may be used at each affected area
 - The following issues were discussed:
 - need to reinstall the chain-link fence after the work on residential properties is completed
 - restrictions on truck traffic during school bus pick up and drop-off hours
 - staging of contaminated soils such that large efficient shipments could be made

to off-site treatment facility
- minimizing disruption of residents during construction

- Community Outreach Update (A. Bonarrigo)

- Discussed schedule for outreach activities and public meeting to inform the public and to receive comments on EPA's preferred alternative for the NTCRA
 - D. Boynton and A. Krasko also plan to attend the Urban Rivers Team meeting on October 5, 2000 in Providence, RI, to go over the current status of the project

- Other Items

- Next MAC meetings are on 9/20/2000

Handouts:

- Handed-out copies of the article on Contaminated sediment from the August 7, 2000 Superfund Report, entitled "Walsh Charges EPA Sediment Cleanups Violate Appropriator's Efforts".



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
1 CONGRESS STREET, BOSTON, MA 02114**

**Management Action Committee (MAC) meeting
September 20, 2000
Centredale Manor Restoration Project
North Providence , Rhode Island**

Attendees:

Cheryl Bozzi, North Providence Mayor office
Eugenia Marks, Urban Rivers Team and Audubon
Ian Lang, Sen. Lincoln Chafee's office
Gary Jablonski, RIDEM
Bob Vanderslice, RIDOH
Angela Bonarrigo, EPA community relations
Richard Boynton, EPA team leader
Anna Krasko, EPA remedial project manager

Agenda:

• Technical Update (A. Krasko)

- EE/CA report is in production (30 copies). EE/CA report will be available next week and will be part of the Administrative Record available at the repositories
- maps showing dioxin distribution in soil and sediment are posted on EPA NE web site
- EPA's contractor, TetraTech NUS, is collecting 14-16 sediment samples this week from Lymansville Dam down to Dyerville Dam as part of the next phase of the RI. Preliminary data is expected in January/February, 2001. A. Krasko briefly explained the scope of this sampling program. There was a discussion led by B. Vanderslice, about taking samples further downstream at Merino Park as part of this round. EPA decided to look at the existing data first and this round of sampling prior to making decisions about a need for this program to collect additional sampling further downstream.

• Community Outreach Update (A. Bonarrigo)

- The MAC reviewed outreach plans for dioxin data, the EE/CA report and planned cleanup:
 - EPA plans to send a letter with EE/CA Fact Sheet and "Do's and Don'ts" Brochure to nine affected homeowners on 9/25/00. A. Bonarrigo will follow up with phone calls to arrange one-to-one meetings with the residents during next week. A different version of the letter will be sent to homeowners which are not affected.
 - EPA will mail a press release with Fact Sheet late next week. Comments from the MAC on the Press Release are due by next Tuesday. A. Bonarrigo will notify congressional delegation that the press release is going out.
- D. Boynton and A. Krasko also plan to attend the Urban Rivers Team meeting on October 5, 2000 in Providence, RI, to go over the EE/CA Fact Sheet and answer questions
- On October 10, 2000, the MAC will meet at 1:00 pm and have a dry run of the public meeting presentation. EPA then will hold an open house from 4:00 to 6:00 pm. The public informational meeting will be from 7:00 to 9:00 pm

- Other Items

- Next MAC meetings are on 10/10/2000



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
1 CONGRESS STREET, BOSTON, MA 02114**

**Management Action Committee (MAC) meeting
November 15, 2000
Centredale Manor Restoration Project
North Providence , Rhode Island**

Attendees:

Cheryl Bozzi, North Providence Mayor office
Eugenia Marks, Urban Rivers Team and Audubon
Ian Lang, Sen. Lincoln Chafee's office
Tony Phillips, Governor's representative
Matt DeStefano, RIDEM
Sarah Martino, RIDEM
Angela Bonarrigo, EPA community relations
Anna Krasko, EPA remedial project manager
Steve Parker, Tetra Tech NUS project manager

Agenda:

- Technical Update (A. Krasko)
 - EPA has received a few comments on the EE/CA and proposed NTCRA from residents; nothing from the PRPs yet
 - data from September 2000 sediment sampling from Manton and Dyerville will be available in a few weeks.
 - EPA's contractor, TetraTech NUS, is preparing to start field activities for the next phase of investigations: groundwater and source area. Anna K. and Steve P. went over the goals of the field investigation, the proposed scope of field activities and a map showing approximate drilling locations. Field work may start as early as December 10, 2000. Briefly discussed proposed air sampling inside Centredale manor Building
 - Cheryl B. noted a need to coordinate activities with new owner of the proposed Post Office Park area (well installation and fence)

- Community Outreach Update (A. Bonarrigo)

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- Cheryl B. emphasized a need to meet with management and residents of Brook Village and Centredale Manor to discuss work schedule and temporary inconveniences, such as noise from drilling equipment. Angela B. will schedule meetings for December 6th, 7th or 8th.
- EPA will prepare and distribute flyers with description of activities and representative pictures.

- Other Items

- Next MAC meetings are on 12/06/2000, 01/03/2001 and 01/24/2001

- Handouts

- Draft Work Plan Amendment No. 2, Tt NUS, August 2000
- Excerpts from Draft QAPP, November 2000: Table 8-8, Phase I Monitoring Well and Boring Locations, and Figure 6-1, Possible locations of boring/monitoring wells.