

REVISED 2/19/91

PAS SITE OPERATIONS & MAINTENANCE
(W.A. D002340-8)

MEETING MINUTES
NYSDEC OFFICE, ALBANY, NEW YORK
JANUARY 17, 1991
Page 1 of 3

ATTENDEES: John Gorton - URS
Chuck Hurley - URS
Dharma Iyer - URS
Jerry Rider - NYSDEC
A.K. Gupta - NYSDEC ✓

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Please review these minutes for accuracy and submit any corrections or additions to URS Consultants, Inc. within ten (10) working days of receipt. If no revisions are received, these minutes will be considered complete and accurate.

Prepared by D. Iyer



DRI/ys
Enc.

2-19-91M.DRI

cc: All Attendees
P. David Smith - NYSDEC
File: 35236.00 (1000)

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Prepared by D. Iyer



DRI/ys
Enc.

1-17-91.MM

cc: All Attendees
P. David Smith - NYSDEC
File: 35236.00 (1000)

MEETING BETWEEN
URS CONSULTANTS, INC.

AND

NEW YORK STATE DEPARTMENT
OF
ENVIRONMENTAL CONSERVATION

OPERATION & MAINTENANCE OF THE
POLLUTION ABATEMENT SERVICES SITE

JANUARY 17, 1991

AGENDA

1. Long Term Monitoring Effort - November 1990
2. Response on Task 2 & 3
3. Outline of Operation & Maintenance Manual
4. Current and Future Operation & Maintenance
5. Other Topics

POLLUTION ABATEMENT SERVICES SITE

CURRENT AND FUTURE OPERATION & MAINTENANCE

Within Existing Workplan:

1. Start Leachate Pumping & Disposal @ 50,000 gallons + 10,000/mo.
2. Have Electrical and Mechanical Sub-Contract for Maintenance of Equipment.

Repair/replace W-L-control for tank after tank repairs, activate-auto dialer.
3. Tank cleaning, repairs, insulation, etc.
4. Fence repair, mowing, etc. Sub-Contract/Operations
5. Develop:
 - A. Initial Survey
 - B. Construction Plans for:
 - cap repair/improvements
 - leachate collection system repair improvement
 - installation of pump in tank?
 - containment pad
 - improvement of roadway

Out Side Existing Work Plan:

1. On-site Rental Leachate Treatment Unit
2. Permits for Leachate Disposal
3. Public Hearings/Participation
4. Increased Monitoring for Sizing of Final Plant
5. Operation for One-Year
6. Design and Construction Documents for Final On-Site Treatment Unit.
7. Construction Management/Supervision - Five Years
8. Decommissioning of Monitoring Wells.



AN INTERNATIONAL PROFESSIONAL CORPORATION

Mr. A. K. Gupta
January 16, 1991
Page 2

Leachate Control

There appear to be differences in conclusions drawn from the interpretation of available data relating to leachate at the site. URS does not believe that the sporadic pumping of small quantities of leachate, since remediation was completed, has produced data adequate for characterization of site leachate volume or inflow. At this point, the use of conclusions drawn in conceptual work contained in the RI/FS report is probably not appropriate in as much as the selected remediation differs from the conceptual design. During our meeting, we need to arrive at a mutually acceptable program for leachate control during the O&M portion of this work assignment.

Very truly yours,

URS CONSULTANTS, INC.

for Charles W. Hurley
Dharmarajan R. Iyer, Ph. D.
Task Manager

DRI/ys

1-16-91.AKG

- cc: P. David Smith - NYSDEC
- Gerald Rider - NYSDEC
- Raymond Lupe - NYSDEC
- John Gorton - URS
- Charles Hurley - URS
- File: 35236.00 (1000)

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(SAMPLE ATTACHED)

Sample

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VOLUME III

OPERATION AND MAINTENANCE PROCEDURES FOR _____

STANDARD OPERATING PROCEDURES (SOP)

(SAMPLE ATTACHED)

~~Volume III~~

(Sample.) Vol. 13(3)

February 13, 1989

OPERATION AND MAINTENANCE PROCEDURE FOR
REMOVAL AND REPLACEMENT OF ZOOK, IMPERVIOUS, GRAPHITE RUPTURE DISKS
STANDARD OPERATING PROCEDURE (SOP)

PURPOSE: To insure protection from overpressurization of the carbon adsorption vessels at the Love Canal Treatment Facility.

DESCRIPTION: Located in the vent lines of the three carbon adsorption vessels are impervious, graphite, rupture disks. Each disk will rupture at a burst pressure of 75 p.s.i. allowing pressure to be released through the vent line thus protecting the vessel from damage. A ruptured disk is suspect if unable to maintain carbon vessel pressure or there is an indication of rushing air/leachate through a closed vent or if the discharge at the badger meter does not coincide with filter feed discharge.

SAFETY PRECAUTIONS:

1. Wear protective clothing and respiratory protection.
2. Use caution when removing old disk to prevent injury from broken fragments.

PROCEDURE:

1. Isolate and remove carbon vessel from service. (See O & M vol. 1 for isolation of carbon vessel procedure).
2. Loosen bolts on vent flange containing the rupture disk.
3. Remove old disk and gaskets.
4. Replace new gaskets and disk. Make sure the disk is properly placed and centered over the opening.
5. Replace bolts and tighten.
6. Return vessel to service reversing procedure number 1.

FREQUENCY:

Replace if necessary. Check for rupture after every carbon transfer.

SERVICE/SUPPLIERS:

ZOOK Enterprises Inc.
P.O. Box 419
Chagrin Falls, OH 44022
(216) 543-1010

March 2, 1989

OPERATION AND MAINTENANCE PROCEDURE
REPAIR OF SB 1 1/2-A, SandPIPER, DOUBLE DIAPHRAGM, SLUDGE PUMP
STANDARD OPERATING PROCEDURE (S.O.P.)

PURPOSE: To insure optimum performance and decrease occurrence of non-scheduled repair of the sludge transfer pump.

DESCRIPTION: The transfer of sludge from the sludge holding tank to the sludge storage tanks at the Love Canal Leachate Treatment Facility relies on the operation of one SB 1 1/2-A, SandPIPER, double diaphragm, pump as manufactured by the Warren-Rupp/Houdaille Manufacturing Co. In addition to the movement of sludge from holding to storage a SB 1 1/2-A pump is used for mixing sludge within Storage Tank #3.

SAFETY PRECAUTIONS:

1. Wear protective level "B" when servicing this pump.
2. These pumps contain sludge under pressure when in operation!
3. Care should be taken to insure that the valves isolating the suction and discharge lines are closed and the pump has been isolated from its air supply. Also insure that the pump has been depressurized.
4. Precautions should be taken to prevent contamination from sludge spillage during repair.

PROCEDURE:

To complete a normal disassembly and rebuild of the SB 1 1/2-A to include; changing the pilot valve assembly, diaphragms, pilot valve actuator pins, manifold gaskets, manifold seat gaskets and ball check valves.

1. Obtain the necessary replacement parts from the equipment storage room at the administration building.
2. Obtain the necessary protective equipment and respiratory protection from the treatment facility.
3. Collect all the necessary tools; 1/2", 9/16", 3/4", & 1" box end wrenches, torque wrench, small pointed prybar, razor scraper, 1/4" drive socket set, 10" & 12" adjustable wrenches, and a small can.
4. Don protective equipment.

O&M sop Repair SB 1 1/2-A (cont.)

5. Isolate pump from supply air and process flow.
6. Remove the bolts from the threaded flanges on the suction and discharge of the pump. Loosen the capscrews slowly. * There will be a small discharge of sludge from the pump and pipe. Catch with a small can.
7. Loosen the lock nuts connecting the manifold to the diaphragm chamber.
8. Loosen one V-band clamp and carefully remove the diaphragm chamber. * There will be a small discharge of sludge from the chamber. Catch with small can.
9. Remove the diaphragm from the diaphragm rod.
10. Loosen the other V-band clamp and remove the diaphragm and rod from the pump as an entire assembly.
11. Clamp the inner plate in a vise and remove the outer diaphragm plate.
12. Replace the worn diaphragm with a new one. Replace outer diaphragm plate and torque to 35 ft. lbs..
13. Return the assembly to the pump body. Check the rubber diaphragm bumpers if worn or damaged replace.
14. Place the diaphragm and rod assembly into the pump secure by placing the outer cover over the diaphragm and tightening the V-band clamp.
15. Thread and tighten the other diaphragm and plate torque to 25 ft. lbs.
16. Remove the manifold bolts and lift the discharge flange from the manifold.
17. Remove the manifold, inspect all parts if any are worn or damaged replace.
18. Check the condition of the ball check valves, if they are swollen, pitted, out of round, or otherwise damaged, replace.
19. Scrape the gaskets from the faces of the manifold and replace.
20. Re-assemble in reverse order.
21. Replace the manifold gaskets and rebolt the manifold to the diaphragm cover.

URGENT

Terry
for your review.
Thanks!
AK

URS

URS CONSULTANTS

ATLANTA
BOSTON
CHICAGO
CLEVELAND
DENVER
HOUSTON
LOS ANGELES
NEW YORK
PHOENIX
SAN FRANCISCO
WASHINGTON

DATE: 1/28/91 TIME: _____

ELEFAX TRANSMISSION

URS - BUFFALO

FAX NO. (716) 883-0754

A.K. Gupta

FAX #: 27

Director, Presidential Election
of Drug Abuse Prevention
1/28/91

See copy to follow Thank you!

My compliments to you & the team
This is good.
This should occur on
called - cannot a regular basis.
Thanks Terry
1/29/91

PLEASE ALSO CC

P. Daniel
J. Rider

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DRAFTPOLLUTION ABATEMENT SERVICES SITE

WORKING AND EQUIP. OPERATIONS & MAINTENANCE

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2. Make Electrical & Mechanical Connections to Monitoring Well of Equipment.
Repair/replace Wellhead for Leachate Collection, replace activator-auto dialer.
3. Tank cleaning, repairs, insulation, etc.
4. Fence repair - contract with S & S Contracting, Inc.
5. Develop:
 - A. Initial Survey
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Prepared by D. Iyer



DRI/ys
Enc.

1-17-91.MM

cc: All Attendees
P. David Smith - NYSDEC
File: 35236.00 (1000)

MEETING BETWEEN
URS CONSULTANTS, INC.
AND
NEW YORK STATE DEPARTMENT
OF
ENVIRONMENTAL CONSERVATION

OPERATION & MAINTENANCE OF THE
POLLUTION ABATEMENT SERVICES SITE

JANUARY 17, 1991

AGENDA

1. Long Term Monitoring Effort - November 1990
2. Response on Task 2 & 3
3. Outline of Operation & Maintenance Manual
4. Current and Future Operation & Maintenance
5. Other Topics

POLLUTION ABATEMENT SERVICES SITE
CURRENT AND FUTURE OPERATION & MAINTENANCE

Within Existing Workplan:

1. Start Leachate Pumping & Disposal @ 50,000 gallons + 10,000/mo.
2. Have Electrical and Mechanical Sub-Contract for Maintenance of Equipment.

Repair/replace W-L-control for tank after tank repairs, activate-auto dialer.
3. Tank cleaning, repairs, insulation, etc.
4. Fence repair, mowing, etc. Sub-Contract/Operations
5. Develop:
 - A. Initial Survey
 - B. Construction Plans for:
 - cap repair/improvements
 - leachate collection system repair improvement
 - installation of pump in tank?
 - containment pad
 - improvement of roadway

Out Side Existing Work Plan:

1. On-site Rental Leachate Treatment Unit
2. Permits for Leachate Disposal
3. Public Hearings/Participation
4. Increased Monitoring for Sizing of Final Plant
5. Operation for One-Year
6. Design and Construction Documents for Final On-Site Treatment Unit.
7. Construction Management/Supervision - Five Years
8. Decommissioning of Monitoring Wells.

PAS SITE OPERATIONS & MAINTENANCE
(W.A. D002340-8)

MEETING MINUTES
NYSDEC OFFICE, ALBANY, NEW YORK
JANUARY 17, 1991
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ATTENDEES: John Gorton - URS
Chuck Hurley - URS
Dharma Iyer - URS
Jerry Rider - NYSDEC ✓
A.K. Gupta - NYSDEC

The purposed of this meeting was to discuss key issues and problems relating to the work assignment. Mr. Gupta distributed an agenda (Attachment A) for the meeting. All items on the agenda were discussed, though not in the same order.

First topic of discussion was the performance of URS's field crew during the November 1990 sampling. Mr. Gorton expressed his concern over the problems that occurred at the site and everyone present agreed that some of these problems were the result of a lack of proper communication. It was also felt that the bailers lying around on the site may have been left from previous site activities. In order to establish better communications, Mr. Iyer and Mr. Gupta will coordinate all future field activities, with all communications between URS and NYSDEC directed through them.

Interim Plan and Tasks 2 and 3 Report

Mr. Rider suggested that the water level inside the slurry wall can be just below the corresponding level outside, with the leachate pumping rate adjusted to maintain that level.

DEC directed URS to plan on pumping 50,000 gallons of leachate during the first month and 10,000 gallons thereafter. Leachate hauling will be scheduled for the week following monthly water level measurements. During the first year or until an on-site treatment system is in-place, leachate will be hauled off-site. On-site treatment will be further evaluated outside the existing Work Plan, with emphasis on a rental unit. One suggestion by Mr. Rider was to advertise in professional/trade journals for rental units. The PRPs are to be notified in advance so they can set-up water level recorders for their pump test.

The possibility of repairing the leachate holding tank at the time of cleaning was discussed. Since the cost of cleaning is relatively minor and since the conditions of the tank need to be assessed and the extent of repair defined, it was agreed that tank cleaning and inspection will be first completed to develop specifications for repair. After that a subcontractor will be selected to repair/improve the tank. The tank repair can be scheduled around the leachate hauling schedule.

Mr. Rider indicated that the Department is working on developing a category system for site health and safety which will define personal protection equipment and training requirements for all on-site personnel.

Mr. Gupta will let Mr. Iyer know if the control survey can be done in February/March after consultation with Department surveyors.

PAS SITE OPERATIONS & MAINTENANCE
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MEETING MINUTES
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Operation and Maintenance Manual

Mr. Gupta distributed copies of a revised version of URS's draft outline for the manual with additional sections/subsections. The O&M Plan and Manual will be one document in three volumes:

- Volume I - General Manual (text)
- Volume II - Manufacturer's Catalogs
- Volume III - Standard Operating Procedures (SOPs)

Mr. Gupta provided URS with examples of O&M SOP's prepared by the Department for the Love Canal Site. He will obtain a copy of the Love Canal site O&M Manual (Vol. I), and the manufacturers' manuals for the PAS site. It was agreed that URS will develop the following by the scheduled deliverable date of February 1, 1991:

- Volume I - Draft using the outline distributed at the meeting.
- Volume II - A list of equipment currently used on the site which may have manufacturers catalogs; include available catalogs/manuals.
- Volume III - A list of on-site activities for which SOPs will be needed. The SOPs will be developed as the O&M progresses and additional information becomes available.

Current and Future O&M

Mr. Gupta distributed a draft list of O&M activities (Attachment B) that need to be accomplished by URS within and outside this Work Plan.

The Department is currently assessing the use of in-house personnel for O&M activities such as fence repair, landscaping, etc., and will inform URS of the outcome.

Other Topics

Mr. Iyer proposed that an inspector be present when the hauling subcontractor pumps leachate from the tank for disposal once a month. The approved Work Plan/Budget allows for site inspection only once every four months. DEC concurred with URS. Mr. Gupta indicated that the man-hours not used by URS for monthly water level measurements can be utilized for URS inspection of the hauling subcontractor.

PAS SITE OPERATIONS & MAINTENANCE
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