

**WEEKLY PROGRESS REPORT****CH2M HILL****SF/ONALASKA / 6 3201336 0 / RPTS**  
**ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION**

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/CONV  
Bill Hubbard/GLO

**FROM:** Steve Keith/CH2M HILL

**DATE:** May 3, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040

**PROJECT:** GLO65614.PP.PM

This is the first in the upcoming series of weekly updates to keep you informed of project progress. This supplements our telephone conversations, meetings, and monthly technical status reports. I expect to make these memos fairly brief (2 pages maximum) and will fax them to you each Friday or Monday morning. Please let me know if you have comments on the format or content.

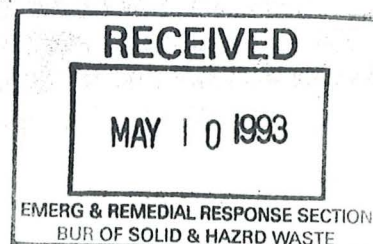
**Report For Week Of:** April 26

**Work Performed This Week:**

We finalized our Construction Management Plan. A copy has been mailed to you FYI.

The Notice To Proceed was issued to WESTON effective April 30, 1993. WESTON is contractually required to begin mobilizing on site by May 20, 1993 and to complete work by February 4, 1995 (645 calendar days from the Notice To Proceed).

We are coordinating with WESTON for our trailer setup. We plan to sign an agreement with RE Wright within the next few days. We requested clarification from Wright concerning their insurance certificate submitted for the project. The groundwater treatment facility subcontract will be awarded to Wright when the clarifications are resolved.



**MEMORANDUM**

Page 2

May 3, 1993

**Work Projected For Next Week:**

We are coordinating with WESTON regrading the utility line relocation. Health and safety issues are one of the issues to be resolved.

We intend to conduct a kick-off conference call with RE Wright the week of May 3.

**Community Relations Activities:**

None.

**Change Orders/Claims:**

None.

**Problems/Potential Problems:**

WESTON has expressed concern over the likelihood of gaining approval for the proposed alternative cap design. I've asked P Kozol to let me know what WDNR's specific concerns would be related to accepting the Gundseal in lieu of 2 feet of clay. If WDNR and EPA can identify their concerns in the next week, then WESTON may submit the alternative. If the concerns cannot be clearly defined, then the likelihood of the alternative proposal being submitted appears diminished. As mentioned earlier, the limitations of the schedule may eliminate this option from consideration. If a decision cannot be arrived at within the next two weeks, then WESTON will need to adhere to the clay design to meet schedule.

**Schedule Status:**

Mobilization is set for May 17. We have WESTON's construction schedule, but not RE Wright's. A listing of upcoming milestones is attached. Note that trucking of clay is expected to begin in August. Also note that we expect to hold a preconstruction conference at the site soon after mobilization our trailers are set up.

**Status Of Contingency Fund:**

Work performed to date has not affected the fund.

Activity	Est'd Start Date	Est'd Durt'n (Days)
Mobilization for Landfill Cap	May 17	-
LFG Interceptor Trenches	June 11	36
Clay Barrier Test Pads	July 17	24
Rough Grading	July 17	24
Geotextile & Strip Drain	July 29	12
Clay Placement	Aug 16	30
Sand Layer	Sept 15	12
Cover Soil	Oct 9	30
LFG Monitoring Wells	Jul 11	12
Certification-materials	May 11	1
Certif-geotextiles	June 21	0.5
Samples	May 31	2
Pipe Shop Dwgs	May 21	1
Clay Test Pad Procedures	July 9	1
Clay Testing Results	June	1
Groundwater Sampling	Aug	5
Building/Foundation Shop Dwgs	June	5
Process Equip Shop Dwgs	Jun-Aug	10
Outfall Construction	Aug	15
Foundations	Aug	20
Extraction Well Drilling	Aug	15
Extraction Well Piping	Sep	15
Clarifier	Oct	21

Activity	Est'd Start Date	Est'd Durt'n (Days)
Extraction Well Testing	Oct	5
Building Erection	Oct	21
In Situ Well Install'n	Oct	5
Process Equip Installt'n	Nov-Dec	60
Equip Testing	Jan'94	20
Shakedown	Feb'94	20
Performance Testing	Mar'94	20
Startup	Apr'94	20
Seeding	May'94	20
Record Drawings	Jun'94	5
Closure Report	Jun'94	10

**WEEKLY PROGRESS REPORT****CH2M HILL***SF/ONALASKA/6 3201356 0/RPTS***ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION**

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/CONV  
Bill Hubbard/GLO

**FROM:** Steve Keith/CH2M HILL

**DATE:** May 10, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** May 3, 1993

**Work Performed This Week:**

A conference call was held on May 4 with the Project Manager from RE Wright regarding the status of several administrative submittals, including an insurance certificate. Several clarifications and revisions must be made by Wright, regarding insurance, to satisfy subcontract requirements. A preconstruction meeting with RE Wright was tentatively scheduled for June 3 at the site.

**Work Projected For Next Week:**

WESTON will conduct background air monitoring and video tape the condition of the roads.

Trailers will be set up and power lines extended to the trailer area.

We anticipate having our subcontract agreement with RE Wright signed this week, after the revisions to the insurance certificate are acceptable.

**MEMORANDUM**

Page 2

May 10, 1993

**Community Relations Activities:**

None.

**Change Orders/Claims:**

None.

**Problems/Potential Problems:**

Due to problems obtaining access agreements, the date by which WESTON had to fill and grade (structural backfill) the groundwater treatment facility area has been delayed. WESTON has indicated in their construction schedule that they plan to have the area ready by August 1. RE Wright, however, wishes to begin construction of the treatment facility before that time in order to begin outfall trench construction in July and use the air stripper to treat water pumped from the trench. We have been discussing with WESTON the possibility of them completing the soil foundation work by July 1.

**Schedule Status:**

Mobilization of WESTON and CH2M HILL is set for the week of May 17. We received a draft schedule from RE Wright who had indicated they believe they can complete their work by January, 1994. The schedule, however, depends on a Notice To Proceed by June 7 and starting the treatment building foundation immediately thereafter. This schedule may not be possible unless the treatment building area filling/grading is performed by WESTON before that time.

**Status Of Contingency Fund:**

Work performed to date has not affected the fund.

SF/ONALASKA/6 3201336 0/RPTS

**WEEKLY PROGRESS REPORT****CH2MHILL****ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION**

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/CONV  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** May 17, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** May 10, 1993

**Work Performed This Week:**

We are nearing resolution of problems with RE Wright's insurance certificate, and the submittals needed to satisfy subcontract requirements.

We requested that WESTON review their schedule more closely to see what would be involved with completion of the backfill and grading work under the location of the groundwater treatment building by July 1.

CH2M HILL's Construction Manager, Don Olson, met with Ray Hubley on May 12, to introduce himself. Mr. Hubley was cordial, but expressed concern about the possible destruction of trees. Mr. Hubley also indicated he hadn't granted full easement to any of his property to the EPA.

WESTON initiated background air monitoring and video taping the condition of the roads.

**MEMORANDUM**

Page 2

May 17, 1993

**Work Projected For Next Week:**

Trailers will be set up and power lines extended to the trailer area.

We anticipate having our subcontract agreement with RE Wright signed within days, after the revisions to the insurance certificate are acceptable.

**Community Relations Activities:**

See comments above regarding Mr. Hubley.

**Change Orders/Claims:**

None.

**Problems/Potential Problems:**

We are pursuing WESTON to complete the soil foundation work by July 1. A change order may be required to establish liquidated damages with this deadline.

**Schedule Status:**

No changes.

**Status Of Contingency Fund:**

Work performed to date has not affected the fund.



*SF/ONALASKA/3201336/KOZOL/RPTS***WEEKLY PROGRESS REPORT****CH2M HILL****ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION**

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/CONV  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** May 24, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** May 17, 1993

**Work Performed This Week:**

RE Wright has indicated they have obtained all the information needed to meet the requirements of the subcontract documents regarding the insurance certificate. We have not received this information to date.

CH2M HILL reviewed and responded to WESTON's submittals on project schedule, PVC liner, strip drain, and temporary controls.

Telephone service was installed at trailers. The trailer phone number is 608-783-0840.

**Work Projected For Next Week:**

A preconstruction meeting is scheduled for Wednesday May 26 at the site at 1 PM.

Several WESTON submittals will be reviewed.



**MEMORANDUM**

Page 2

May 24, 1993

WESTON will submit what cost increase they would incur to have the groundwater treatment building area subgrade ready by July 1.

**Community Relations Activities:**

None. It is our understanding that EPA is in the process of preparing information for distribution to the community.

**Change Orders/Claims:**

None.

**Problems/Potential Problems:**

We continue to pursue RE Wright to resolve the insurance certificate information needed. It may be necessary to establish a cut-off date for the required information, after which we would recommend the next lowest bidder be awarded the subcontract if the proper information has not been provided.

A change order may be filed to escalate the schedule for completion of the groundwater treatment area subgrade. A letter will be forwarded this week to the PO to elaborate on the situation.

**Schedule Status:**

No changes to the landfill cap schedule. (A schedule for the groundwater treatment plant construction has not been finalized).

**Status Of Contingency Fund:**

Work performed to date has not affected the fund.

Sent: \_\_\_\_\_  
Date \_\_\_\_\_ Time \_\_\_\_\_ By \_\_\_\_\_



Engineers  
Planners  
Economists  
Scientists

**TELECOPY ORDER FORM**

To: PAUL KOZOL \_\_\_\_\_ Office \_\_\_\_\_

From: STEVE KEITH \_\_\_\_\_ CH2M HILL/GLO  
414/272-4408/direct line  
Omnifax G38

Employee No.: 2797

Date: 5-24-93

Project No.: G-LO65614.CM.PM

Telecopy Telephone No.: 608-267-2768

Number of Pages Sending: Cover page plus 2 sheets

Return Original:  Yes  No

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**If you do not receive all pages or if material is illegible, please call  
(414) 272-1052, ext. 262.**



**ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION**

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/CONV  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** June 1, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** May 24, 1993

**Work Performed This Week:**

RE Wright submitted the information required by the subcontract documents regarding the insurance certificate.

The electric company (Trempeleau Electric) cut down a tree on Mr. Hubley's property that had been identified as to not be cut. Apparently, this was not communicated to the people performing the work. Mr. Hubley was upset that the tree was cut down, but indicated he would be satisfied if the tree was replaced. We are discussing Trempeleau Electric's responsibilities for tree replacement.

A preconstruction meeting was held at the site on Wednesday, May 26. In attendance were representatives from CH2M HILL, WESTON, WDNR, and US EPA. A copy of the meeting minutes is attached.

Abandonment of the "B" series wells was initiated.

Per our request, WESTON submitted a cost increase they would incur to have the groundwater treatment building area subgrade ready by July 1.



Engineers  
Planners  
Economists  
Scientists

June 1, 1993

GLO65614.CM.PM

**RECEIVED**

JUN 10 1993

BUREAU OF SOLID -  
HAZARDOUS WASTE MANAGEMENT

Mr. Kevin Adler  
Work Assignment Manager  
U.S. Environmental Protection Agency  
77 West Jackson Blvd. (HSRW-6J)  
Chicago, IL 60604-3590

Dear Mr. Adler:

Subject: Weekly Progress Report  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5; Contract No. 68-W8-0040

Attached is a copy of the weekly progress report for the week of May 24, 1993.

Please call me if you have any questions.

Sincerely,

CH2M HILL

Steve Keith  
Site Manager

10011F24.GLO

Attachment

cc: Stephen Nathan/PO/U.S. EPA Region 5 (w/out attachments)  
Alpheus Sloan, III/PM/Milwaukee (w/out attachments)  
Cherie Wilson/PA/Milwaukee (w/out attachments)

**M E M O R A N D U M**

Page 2

June 1, 1993

**Work Projected For Next Week:**

The remaining wells scheduled for abandonment will continue.

WESTON's revised Health and Safety Plan and geotextile submittals will be reviewed.

The agreement between RE Wright and CH2M HILL should be signed.

**Community Relations Activities:**

None.

**Change Orders/Claims:**

None.

**Problems/Potential Problems:**

A change order may be filed to escalate the schedule for completion of the groundwater treatment area subgrade. A letter has been forwarded this week to the PO that describes the situation.

**Schedule Status:**

No changes to the landfill cap schedule. (A schedule for the groundwater treatment plant construction has not been finalized).

**Status Of Contingency Fund:**

Work performed to date has not affected the fund.



**TO:** Matt Crain/WESTON  
Don Olson/CH2M HILL  
Bill Hubbard/CH2M HILL  
Mike Riley/WESTON  
Kevin Adler/US EPA  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** June 1, 1993

**SUBJECT:** Preconstruction Meeting  
Onalaska Municipal Landfill Cap Remedial Action

**PROJECT:** GLO65614.CM.MG

**FILE:** CAP.C2500

A preconstruction meeting was held at the project site on May 26, 1993 at 1 PM at the field office of CH2M HILL. In attendance were:

Steve Keith/CH2M HILL  
Don Olson/CH2M HILL  
Bill Hubbard/CH2M HILL  
Matt Crain/WESTON  
Mike Riley/WESTON  
Steve Hausler/WESTON  
Kevin Adler/US EPA  
Paul Kozol/WDNR  
Jim Thiebing/Thiebing Construction  
Tom Abraham/Thiebing Construction  
Carl Pedretti/Town Of Onalaska

The following summarizes the meeting minutes compiled by S. Keith:

S. Keith distributed a meeting agenda at the beginning of the meeting. A copy is attached.

**Start Date:** April 30, the date of issuance of Notice To Proceed, is the start date for the subcontract.

# MEMORANDUM

Page 2

June 1, 1993

**Completion Date:** The completion date is 645 calendar days from April 30, 1993, or February 4, 1995.

**Personnel:** Aside from those present, CH2M HILL identified Charles Entwisle as the Resident Inspector, and WESTON identified Les Barnett as their H/S coordinator. CH2M HILL's H/S coordinator, Christine Culligan, is expected to make periodic visits to the site to check on compliance with H/S plans.

**Submittals:** WESTON will begin accepting returned submittals at their field office. CH2M HILL will begin accepting submittals at their field office beginning the first week of June.

CH2M HILL will obtain the site address from WESTON.

## **Easements /Permits:**

S. Keith delivered a copy of the easements obtained from adjoining property owners to WESTON. WESTON was not aware of the need for any other permits or easements (the Subcontract assigns this responsibility to WESTON).

**Safety:** WESTON has a full-time Site Safety Coordinator on site and will have on throughout the duration of the project. On site security during nonworking hours (6pm to 7 am) has begun.

**Tests:** CH2M HILL will be procuring the services of a local testing firm to collect split samples and other soil samples. WESTON will need to coordinate with CH2M HILL as to when QA samples will be taken so that CH2M HILL can notify their laboratory to be present at the site at the appropriate time.

## **Schedules/Progress Reports:**

Weekly meeting will be held on Fridays at 10 am. A monthly update will be held every 3rd Friday of the month at 10 am. CH2M HILL's weekly update to EPA will include names of major subcontractors on site.

**Payroll Reports:** WESTON will accumulate weekly certified payroll reports and will submit with their monthly invoice.

# MEMORANDUM

Page 3

June 1, 1993

## **Identification of Subcontractors:**

WESTON will provide an updated list. CH2M HILL will provide form SF1413 that WESTON will complete as required per Article 12 of the General Conditions. CH2M HILL will try to keep C. Pedretti informed as to what subcontractors are working at the site.

## **Change Orders:**

Bill Hubbard explained the change order process and that cost proposals would be reviewed and negotiated by CH2M HILL, and then reviewed by WDNR before it would be forwarded to the US EPA.

Paul Kozol noted that he would be available within 24 hours of a phone call to observe a changed condition. He also noted that the following WDNR staff might come to the site to perform the duty in the event that P Kozol was unavailable:

Thomas Woletz/Eau Claire WDNR  
Brad Erickson/La Crosse WDNR  
Thomas Stibbe/La Crosse WDNR

**Progress Payments:** Standard forms have been provided and should be used when submitting payment requests. WESTON will submit their progress payment application on the first of each month to D. Olson.

## **Sequence Of Operation:**

WESTON described activities planned in the next few weeks. WESTON plans to begin trenching in an area other than southwest of the site (downgradient), since the downgradient area is likely to be the most contaminated. WESTON will need to give CH2M HILL advance notice as to when trenching downgradient from the site will begin so that CH2M HILL can have their Level B Site Safety Coordinator on site. It may be necessary to give notice to Mr. Ackerman and Hubley prior to this work as well.

## **Salvage of Materials:**

WESTON has submitted a salvage schedule and it was approved. WESTON will dispose of abandoned well casing on site, under the cap.

# MEMORANDUM

Page 4

June 1, 1993

- Temporary Facilities:** WESTON is providing the dumpster and portajohns. RE Wright will be responsible for their own refuse and portajohns.
- Storage Facilities:** WESTON may erect a temporary storage building in the clearing just east of the trailer area.
- Jobsite Security:** See "Safety".
- Cleanup:** The subcontract calls for restoration of the trailer area. If WESTON completes their work well in advance of RE Wright, they will be demobilized. Some arrangements need to be worked out to establish responsibilities for final restoration in the trailer area, if not already described in the subcontract documents.
- Record Drawings:** The closure plans required per the EARTHWORK spec will serve as the record drawings. CH2M HILL will need to check on electronic format requirements.
- Substantial Completion** Substantial completion will be after seeding is completed. CH2M HILL will entertain release of part of the retainage prior to seeding, however.
- Dredging of Dodge Chute:** WDNR is still pursuing dredging of the chute. WESTON will provide early start date for sand removed from Dodge Chute.
- Sequence Of Preloading:** WESTON described their interpretation of the sequencing of preloading in the area of the clarifier. This sequence differs from that described in the specifications, but appears to meet the intent of the specifications. CH2M HILL requests that WESTON submit a description of the alternative sequence of actions to gain approval of the proposed sequencing.
- Traffic Controls:** Trucks passing the school will need to be informed that the speed limit will be strongly enforced. CH2M HILL will need to forward video taping information to road commissioners.

**M E M O R A N D U M**

Page 5

June 1, 1993

**Decon Water:** WESTON has not made arrangements for disposal of decon water. Once arrangements have been made, WESTON will inform CH2M HILL.

**Other:** Steve Hammes/First Response Co. (and a member of the Citizens Advisory Committee) visited the site and inquired about meeting with the fire department. S. Keith acknowledged that a meeting should be scheduled within two weeks.

If any of the participants have any additional comments, questions, or clarifications concerning these meeting minutes, please contact Steve Keith by June 8, 1993 at 414-272-1052 (ext-372).

**ONALASKA MUNICIPAL LANDFILL  
LANDFILL CAP REMEDIAL ACTION  
PRECONSTRUCTION MEETING AGENDA**

May 26, 1993  
Onalaska Municipal Landfill Site

I. Introductions

II. Contract Provisions

- Start date
- Completion date
- CH2M HILL and WESTON personnel
- Lines and grades (staking)
- Submittals
- Easements and permits
- Contractors superintendence
- Safety
- Tests, samples, and observations
- Schedules and progress reports
- Payroll reports
- Identification of subcontractors
- Change orders
- Progress payments (cut-off date)
- General requirements and sequence of operation (WESTON)
- Salvage of materials
- Temporary facilities
- Storage facilities and staging area
- Jobsite security during nonworking hours
- Cleanup and trash removal
- Record drawings
- Substantial completion requirements

III. Dredging of Dodge Chute

IV. Sequencing of preloading

## ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

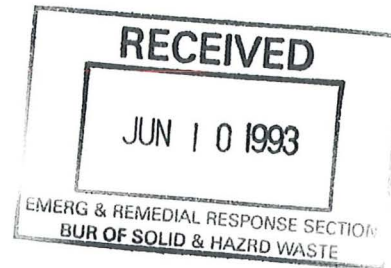
**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/CONV  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** June 7, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** May 31, 1993

**Work Performed This Week:**

RE Wright submitted the information required by the subcontract documents regarding the insurance certificate. A contract should be signed within the next few days. We are awaiting receipt of up-to-date insurance certificates.

Two full size sets of the Landfill Cap Remedial Action design drawings and two sets of plans and specifications for the Groundwater Treatment Remedial Action were sent to Paul Kozol/WDNR.

Abandonment of the "B" series wells continued.

We received approval from the EPA to proceed with directing WESTON to accelerate their schedule to complete the subgrade in the area of the groundwater treatment building.

Clearing and grubbing was performed over the eastern half of the site.

RI-waste derived drums were transported to the top of the site and a temporary barrier erected around them.

# MEMORANDUM

Page 2

June 7, 1993

A gate and 4-foot fence was erected at the entrance to the site.

A silt fence was erected around the northern and eastern limits of the site.

The decontamination pad construction was initiated.

WESTON's revised Health and Safety Plan and geotextile submittals were approved.

The access road was graded and prepared for the base course.

CH2M HILL prepared and submitted an erosion control plan to the County's soil conservation division.

## **Work Projected For Next Week:**

The remaining wells scheduled for abandonment will continue.

The base course for the access road will be placed.

The decontamination pad will be completed.

Construction of landfill gas interceptor trenches is expected to begin.

## **Community Relations Activities:**

Don Olson/CH2M HILL was interviewed at the project site by a television crew on Tuesday, June 1. Don had heard that morning from Paul Kozol/WDNR that a visit could be forthcoming.

## **Change Orders/Claims:**

We received approval from the EPA to proceed with directing WESTON to accelerate their schedule to complete the subgrade in the area of the groundwater treatment building. The cost of the change is on the order of \$9,000.



**M E M O R A N D U M**

Page 3

June 7, 1993

**Problems/Potential Problems:**

None.

**Schedule Status:**

No changes to the landfill cap schedule. (A schedule for the groundwater treatment plant construction has not been finalized).

**Status Of Contingency Fund:**

See Change Orders.

## ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

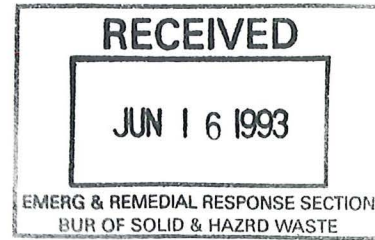
**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** June 14, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.PP.PM



**Report For Week Of:** June 7, 1993

**Work Performed This Week:**

The subcontract for the Groundwater Treatment Remedial Action was signed.

CH2M HILL was contacted by Paul Kozol/WDNR regarding possible design work related to dredging of the Dodge Chute. Details are forthcoming, but potential conflict of interest issues must be resolved first. The schedule for accomplishing this work will be tight in order to have the sand ready for use on the cap.

Clearing and grubbing was performed over the western half of the site, completing this task.

Construction of the groundwater treatment area subgrade continued on the accelerated schedule.

A silt fence was erected around the western border of the site. The fence was placed at a distance of about 75 feet from the western property boundary that borders the Hubley property. While the location of the silt fence is in accordance with the subcontract documents, Mr. Hubley was upset that the fence was further than 50 feet

# MEMORANDUM

Page 2

June 14, 1993

from the property line. Mr. Hubley cited the order issued by EPA that indicates that work would be limited to "about 50 feet" from the property line. Mr. Hubley also claims that WESTON personnel promised to walk the location of the silt fence before installing it, but failed to do so. Mr. Hubley appears to be concerned about encroachment onto his property any further than what is necessary, and had demanded that the fence be moved to the 50-foot distance. We are in the process of attempting to negotiate a solution that is less costly, but achieves the same objective of limiting encroachment.

The decontamination pad was constructed.

The construction of the landfill gas interceptor trenches was initiated along the eastern property boundary. Approximately 200 feet of interceptor trench was constructed. Part of the work was performed in Level B attire, and part in Level C.

## **Work Projected For Next Week:**

Construction of landfill gas interceptor trenches will continue.

Construction of the groundwater treatment area subgrade continues on the accelerated schedule.

CH2M HILL will review RE Wright's construction schedule and their Health and Safety Plan.

## **Community Relations Activities:**

Don Olson spoke with Mr. Hubley on several occasions regarding the silt fence location and the replacement of a tree destroyed by Trempeleau Electric.

A meeting was held at the site on Thursday, June 10 with the Sheriff, the Fire Department, and the Emergency Response Team to discuss safety issues. Present from CH2M HILL were the Construction Manager, the Construction Inspector, the Site Safety Coordinator, and CH2M HILL's Construction Safety Inspector.

## **Change Orders/Claims:**

None.

weekly.mem

**MEMORANDUM**

Page 3

June 14, 1993

**Problems/Potential Problems:**

None.

**Schedule Status:**

No changes to the landfill cap schedule. (A schedule for the groundwater treatment plant construction has not been finalized).

**Status Of Contingency Fund:**

To date only one change order has been submitted for an amount of about \$8,500.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

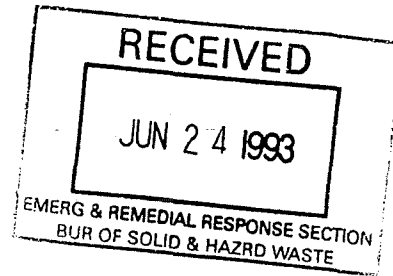
TO: Kevin Adler/WAM/US EPA

COPIES: Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

FROM: Steve Keith/CH2M HILL

DATE: June 21, 1993

SUBJECT: Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



PROJECT: GLO65614.PP.PM

Report For Week Of: June 14, 1993

Work Performed This Week:

The first draft of the construction schedule for the Groundwater Treatment Remedial Action was reviewed.

CH2M HILL declined on pursuing possible design work for the WDNR related to dredging of the Dodge Chute due to conflict of interest.

Construction of the groundwater treatment area subgrade continued on the accelerated schedule.

Per the direction of the WAM, and to limit any further conflict with Mr. Hubley, the silt fence that was erected around the western border of the site was moved about 20 feet eastward.

The construction of the landfill gas interceptor trenches continued along the south and western perimeter of the site. The trenching work this week was performed in Level C.

# MEMORANDUM

Page 2

June 21, 1993

## **Work Projected For Next Week:**

Construction of landfill gas interceptor trenches along the west property line will continue.

Construction of the groundwater treatment area subgrade continues on the accelerated schedule.

## **Community Relations Activities:**

There appears to be some local concern about the harm that could come to Wood Turtles on the threatened species list from construction activities. An ecologist from the WDNR visited the site on Friday (June 18) to assess the concern. A local newspaper reporter also attended a meeting on this subject. In response to these concerns, the silt fence to be located in the southwest corner of the site will be extended further away from the site than originally planned. In addition, the WDNR may request that the site final use plan be modified to accommodate turtle nesting.

## **Change Orders/Claims:**

None.

## **Problems/Potential Problems:**

The WDNR is still pursuing the dredging of Dodge Chute. As the schedule stands, it appears unlikely that the Chute could be dredged in time for incorporation into the cap.

## **Schedule Status:**

In spite of the extremely wet conditions the past several weeks, the landfill cap work is slightly ahead of schedule. Work has not begun on the Groundwater Treatment Remedial Action, but a preconstruction conference will probably be scheduled sometime during the first week of July.

## **Status Of Contingency Fund:**

To date only one change order has been submitted for an amount of about \$8,500.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
 Bill Hubbard/GLO  
 Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** June 21, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
 Onalaska Municipal Landfill Site Remedial Action  
 WA 47-5RL5, Contract No. 68-W8-0040  
 CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** June 14, 1993

**Work Performed This Week:**

The first draft of the construction schedule for the Groundwater Treatment Remedial Action was reviewed.

CH2M HILL declined on pursuing possible design work for the WDNR related to dredging of the Dodge Chute due to conflict of interest.

Construction of the groundwater treatment area subgrade continued on the accelerated schedule.

Per the direction of the WAM, and to limit any further conflict with Mr. Hubley, the silt fence that was erected around the western border of the site was moved about 20 feet eastward.

The construction of the landfill gas interceptor trenches continued along the south and western perimeter of the site. The trenching work this week was performed in Level C.

# MEMORANDUM

Page 2

June 21, 1993

## **Work Projected For Next Week:**

Construction of landfill gas interceptor trenches along the west property line will continue.

Construction of the groundwater treatment area subgrade continues on the accelerated schedule.

## **Community Relations Activities:**

There appears to be some local concern about the harm that could come to Wood Turtles on the threatened species list from construction activities. An ecologist from the WDNR visited the site on Friday (June 18) to assess the concern. A local newspaper reporter also attended a meeting on this subject. In response to these concerns, the silt fence to be located in the southwest corner of the site will be extended further away from the site than originally planned. In addition, the WDNR may request that the site final use plan be modified to accommodate turtle nesting.

## **Change Orders/Claims:**

None.

## **Problems/Potential Problems:**

The WDNR is still pursuing the dredging of Dodge Chute. As the schedule stands, it appears unlikely that the Chute could be dredged in time for incorporation into the cap.

## **Schedule Status:**

In spite of the extremely wet conditions the past several weeks, the landfill cap work is slightly ahead of schedule. Work has not begun on the Groundwater Treatment Remedial Action, but a preconstruction conference will probably be scheduled sometime during the first week of July.

## **Status Of Contingency Fund:**

To date only one change order has been submitted for an amount of about \$8,500.



ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA  
**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR  
**FROM:** Steve Keith/CH2M HILL  
**DATE:** June 27, 1993  
**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** June 21, 1993

**Work Performed This Week:**

The second draft of the construction schedule for the Groundwater Treatment Remedial Action was provided by the subcontractor for review.

Construction of the groundwater treatment area subgrade continued on the accelerated schedule.

The construction of the landfill gas interceptor trenches was completed.

**Work Projected For Next Week:**

Construction of the groundwater treatment area subgrade continues on the accelerated schedule.

Construction of the landfill gas collector trenches will begin.

**M E M O R A N D U M**

Page 2

June 27, 1993

**Community Relations Activities:**

None.

**Change Orders/Claims:**

None.

**Problems/Potential Problems:**

None.

**Schedule Status:**

The landfill cap work is slightly ahead of schedule. Work has not begun on the Groundwater Treatment Remedial Action, but a preconstruction conference will probably be scheduled sometime during the next two weeks.

**Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

TO: Kevin Adler/WAM/US EPA

COPIES: Don Olson/Field Office  
 Bill Hubbard/GLO  
 Paul Kozol/WDNR

FROM: Steve Keith/CH2M HILL

DATE: July 6, 1993

SUBJECT: Onalaska Municipal Landfill Weekly Update  
 Onalaska Municipal Landfill Site Remedial Action  
 WA 47-5RL5, Contract No. 68-W8-0040  
 CH2M HILL Subcontract Nos. 31 and 33



PROJECT: GLO65614.PP.PM

Report For Week Of: June 28, 1993

Work Performed This Week:

The draft of the construction schedule and Health and Safety Plan prepared by the Groundwater Treatment Remedial Action subcontractor was reviewed.

Construction of the groundwater treatment area subgrade was completed.

Placement of the grading layer continued.

The access road was completed.

Rain limited the amount of work performed this week.

Work Projected For Next Week:

Construction of the landfill gas collector trenches will begin.

Proof rolling the limits of the landfill will begin.

**M E M O R A N D U M**

Page 2

July 6, 1993

Per the WAF received on July 2, CH2M HILL will prepare an estimate of the cost to construct a 600 to 1,000 feet of fence at Oak Grove Elementary School.

**Community Relations Activities:**

None.

**Change Orders/Claims:**

None.

**Problems/Potential Problems:**

None.

**Schedule Status:**

The landfill cap work is slightly ahead of schedule. Work has not begun on the Groundwater Treatment Remedial Action, but a preconstruction conference is planned for July 12, and a Notice To Proceed is expected to be issued before or by that date.

**Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
 Bill Hubbard/GLO  
 Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** July 12, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
 Onalaska Municipal Landfill Site Remedial Action  
 WA 47-5RL5, Contract No. 68-W8-0040  
 CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** July 6, 1993



**Work Performed This Week:**

Placement of the grading layer continued.

Construction of the landfill gas collector trenches began.

The Site Manager and Subcontracts Manager met with representatives from the US EPA and WDNR on July 9 to discuss the location of a chain link fence to be installed at Oak Grove Elementary School. CH2M HILL will contract with a local fence company to have the fence installed.

A preconstruction conference was held at the site on July 9 to discuss the Groundwater Remedial Action subcontract. The meeting was attended by representatives from the US EPA, WDNR, CH2M HILL, and RE Wright & Associates.

A Notice To Proceed was issued to RE Wright and Associates on July 9, effective July 12.

Rain limited the amount of work performed this week.

# MEMORANDUM

Page 2

July 12, 1993

## **Work Projected For Next Week:**

Per the WAF received on July 2, CH2M HILL will request bids from local fence companies to construct a 600 to 1,000 feet of fence at Oak Grove Elementary School. The completion date, however, will be required to be July 21.

Construction of the landfill gas collector trenches will continue.

Proof rolling the limits of the landfill will continue.

Preconstruction meeting minutes will be routed to all participants for review.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

Change Order No. 1 to Subcontract No. 31 will be issued pending submission of required pricing documentation by the subcontractor. The change order requires accelerated construction of the groundwater treatment area subgrade and totals approximately \$8,500. EPA approval of this change was granted on 6/2/93.

## **Problems/Potential Problems:**

None.

## **Schedule Status:**

The landfill cap work is on schedule, in spite of delays due to wet weather. The groundwater treatment subcontractor will mobilize within the next two weeks and begin work.

## **Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

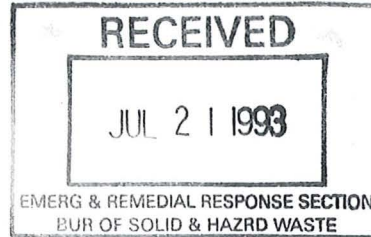
**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** July 19, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** July 12, 1993

**Work Performed This Week:**

Construction of the landfill gas collector trenches was completed.

Water levels in the existing monitoring wells were measured.

Placement of the grading layer will continue.

A request for bids for the construction of a fence at Oak Grove Elementary School was issued to three local contractors and bids were received on July 16.

**Work Projected For Next Week:**

The fence construction subcontract will be awarded.

Placement of the grading layer will continue.

# MEMORANDUM

Page 2

July 19, 1993

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

No changes since last report.

## **Problems/Potential Problems:**

The locks on the monitoring wells were rusted shut and had to be cut off. A new set of locks was ordered and replaced at the time they were cut off.

Review of the plan set for the Groundwater Remedial Action indicates that construction of the buried discharge pipeline as designed could jeopardize a large tree located on a small bluff immediately west of the proposed facility location. It may be possible, however, to reroute the pipeline to prevent the loss of this tree. This tree had not been previously identified as a valued resource. However, given the past experience with Mr. Hubley, the feasibility of rerouting the pipeline to avoid the tree may be worth investigating.

## **Schedule Status:**

The landfill cap work is on schedule. Work has not begun on the Groundwater Treatment Remedial Action, but the subcontractor is expected to mobilize within the next week.

## **Status Of Contingency Fund:**

No changes since last report.



ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

TO: Kevin Adler/WAM/US EPA

COPIES: Don Olson/Field Office  
 Bill Hubbard/GLO  
 Paul Kozol/WDNR

FROM: Steve Keith/CH2M HILL

DATE: July 26, 1993

SUBJECT: Onalaska Municipal Landfill Weekly Update  
 Onalaska Municipal Landfill Site Remedial Action  
 WA 47-5RL5, Contract No. 68-W8-0040  
 CH2M HILL Subcontract Nos. 31 and 33



PROJECT: GLO65614.PP.PM

Report For Week Of: July 19, 1993

Work Performed This Week:

Installation of chain-link fence at the Oak Grove Elementary School was started through CH2M HILL subcontract no. 36 with Phillips Fencing Company. The gates will be installed during the week of July 26.

Placement of working surface and geotextile materials continued for the landfill cap.

R.E. Wright set-up an office trailer in preparation to start work on the groundwater treatment portion of the project through CH2M HILL subcontract no. 33.

Work Projected For Next Week:

Installation of the gates for the fence at the Oak Grove Elementary School.

Placement of working surface, geotextile, and grading layer materials will continue.

Subcontractor R.E. Wright will continue to mobilize.

**M E M O R A N D U M**

Page 2

July 26, 1993

**Community Relations Activities:**

None.

**Change Orders/Claims:**

A change order was issued to Phillips Fencing through CH2M HILL subcontract no. 36 to install two walk-through gates at Oak Grove Elementary School. The need for these gates was not included in the original scope of work and the school district contact person requested that gates be provided after bids were received for the fence work.

**Problems/Potential Problems:**

No changes since last report.

**Schedule Status:**

The landfill cap work is on schedule. Work has not begun on the Groundwater Treatment Remedial Action, but the subcontractor is mobilizing.

**Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** August 2, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** July 26, 1993

**Work Performed This Week:**

The construction of the "working surface" was completed, and the landfill is ready for clay placement. The quantity of materials imported to construct this surface was about 2,800 tons greater than the bid volume.

The fence at Oak Grove Elementary School was constructed. Gates have not yet been installed, but the gates are expected to be installed next week.

Clay (trench clay) was placed over the landfill gas interceptor trenches.

RE Wright mobilized their field trailer.

**M E M O R A N D U M**

Page 2

August 2, 1993

**Work Projected For Next Week:**

The gates in the Oak Grove School fence will be installed.

Construction of the clay test pads will begin. The subcontractor plans to construct test pads using both 6-inch and 12-inch layering to see if the 12-inch layering will comply with performance specifications.

**Community Relations Activities:**

None.

**Change Orders/Claims:**

No changes since last report.

**Problems/Potential Problems:**

No changes since last report.

**Schedule Status:**

Both subcontracts are on schedule.

**Status Of Contingency Fund:**

No changes since last report.

WEEKLY PROGRESS REPORT



ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** August 9, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** August 2, 1993

**Work Performed This Week:**

Shop drawings for the clarifier were received and reviewed.

The clay test pads construction was initiated. The method of construction was not approved, however. A rotovator was mobilized to the site to comply with the specifications.

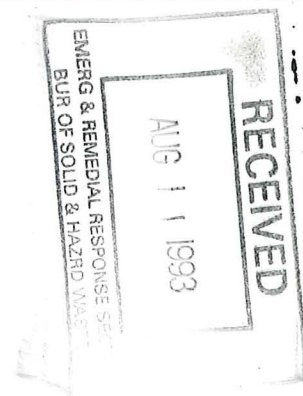
**Work Projected For Next Week:**

Clay test pad construction and testing will continue.

Placement of clay over portions of the cap will begin.

**Community Relations Activities:**

None.



# MEMORANDUM

Page 2

August 9, 1993

## **Change Orders/Claims:**

No changes since last report.

## **Problems/Potential Problems:**

The WDNR has proposed that we consider the use of sandy material from the Sportsman's Club property to reduce the number of trucks hauling material to the site. We are in the process of evaluating this option, and hope that we can come to some conclusion next week.

The Groundwater Treatment subcontractor (RE Wright) informed us that their "sub-subcontractors" believed it was necessary to obtain building and zoning permits to proceed with construction of the treatment building. We have informed RE Wright that it is not necessary to obtain permits or zoning for on site work. We will draft a letter to the local authorities referencing relevant sections of the Superfund Law.

## **Schedule Status:**

Work continues on schedule. The Landfill Cap subcontractor plans on starting to work 6 days per week during the placement of the clay layer. Pending weather conditions, the subcontractor anticipates finishing placement of clay by mid-September.

## **Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

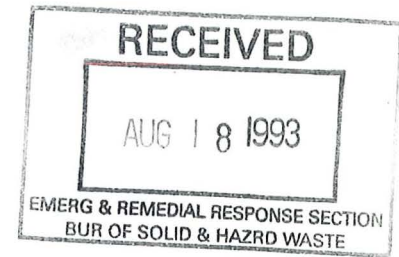
**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** August 16, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** August 9, 1993

**Work Performed This Week:**

Placement of clay over the site continued. About 40% of the site has been covered with the clay layer. Sheepsfoot roller and rotovator are being used as per specifications.

The pilot hole for groundwater extraction well EW-5 was started, and drilled to a depth of about 30 feet at the end of the week.

A possible realignment of the outfall pipe was discussed with Mr. Hubley and was staked. Mr. Hubley appears agreeable to the new alignment, even though it moves closer toward his home, because the revised alignment will help avoid the loss of a large tree on his property.

The sump for the clarifier was excavated and formwork placed.

Paint samples for the building were submitted for review and approval.

# MEMORANDUM

Page 2

August 16, 1993

## **Work Projected For Next Week:**

Placement of the clay layer will continue.

Drilling of pilot holes for the groundwater extraction well will continue.

Construction of the clarifier foundation will begin.

Three phase power will be brought into the site.

## **Community Relations Activities:**

Mr Hubley has expressed dismay regarding the construction of piezometers on his property, claiming that he was not aware of this upcoming work.

## **Change Orders/Claims:**

No changes since last report.

## **Problems/Potential Problems:**

The WDNR has proposed that we consider the use of sandy material from the Sportsman's Club property to reduce the number of trucks hauling material to the site. The material may be acceptable. Because CH2M HILL was not directed to make this change to the subcontract, we have only made WESTON aware of the availability of the material, and that it appears to be suitable but requires additional testing to confirm this. WESTON is pursuing an agreement for the material. The terms regarding how the area is to be renovated, however, needs clarification. It is our understanding that the WDNR intends to fill this area in after the river is dredged. WESTON nor CH2M HILL will not be responsible for renovation of the site.

The Groundwater Treatment subcontractor (RE Wright) informed us that they believe the Dodge Chute has been scoured by recent high water conditions, and that a changed condition exists. We are investigating.



**M E M O R A N D U M**

Page 3

August 16, 1993

**Schedule Status:**

The Landfill Cap work is proceeding on schedule. Groundwater Treatment work is slightly behind schedule, but a substantial amount of work is anticipated within the next few weeks.

**Status Of Contingency Fund:**

No changes since last report.

WEEKLY PROGRESS REPORT



ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
 Bill Hubbard/GLO  
 Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** August 20, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
 Onalaska Municipal Landfill Site Remedial Action  
 WA 47-5RL5, Contract No. 68-W8-0040  
 CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** August 16, 1993

**Work Performed This Week:**

Placement of clay continued, but was limited by the weather conditions (rain).

The pilot hole for groundwater extraction well EW-5 was completed and the pilot hole for EW-4 is nearly complete.

The concrete foundations for the clarifier were poured.

Shop drawings for the air stripper tower were received and under review.



**Work Projected For Next Week:**

Placement of the clay layer will continue.

Drilling of pilot holes for the groundwater extraction well will continue.

Construction of the concrete base for the clarifier will begin.

**MEMORANDUM**

Page 2

August 20, 1993

**Community Relations Activities:**

None.

**Change Orders/Claims:**

No changes since last report.

**Problems/Potential Problems:**

The WDNR has proposed to make some modifications to the outfall, although the specifics of the proposed changes have not been proposed. We have requested meeting with Ed Brick to discuss any proposed changes to the design and the relation to teh schedule.

**Schedule Status:**

The Landfill Cap work is proceeding on schedule. Groundwater Treatment work is slightly behind schedule.

**Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** August 30, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** August 23, 1993

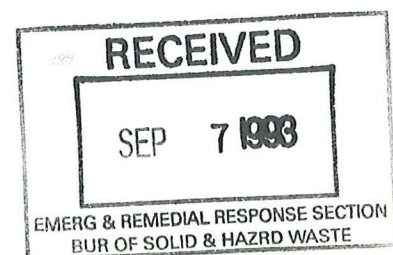
**Work Performed This Week:**

Placement of clay continued. Approximately 50% of the area to be capped has been covered with clay.

The landfill cap subcontractor, WESTON, has developed an agreement with Sportsman's Club for the purchase of borrow material from their property. WESTON will not sign the agreement, however, until they receive some written notice from the US EPA or CH2M HILL that CH2M HILL or the EPA will be responsible for site restoration in the event that the WDNR does not follow through with their plan to dredge the Dodge Chute and use this material for restoration of the Sportsmans Club property.

Pilot holes for each of the extraction wells have been completed.

Work on placing the reinforcing steel for the clarifier slab was initiated.





# MEMORANDUM

Page 2

August 30, 1993

## **Work Projected For Next Week:**

Placement of the clay layer will continue.

Construction of the concrete slab for the clarifier will continue.

Installation of air injection wells will begin.

Installation of groundwater monitoring wells will begin.

## **Community Relations Activities:**

The US EPA was contacted by a resident of the area that trucks hauling soil were travelling at speeds up to 50 MPH on County Highway Z. We sent our inspector to the area of the school to observe truck speeds and did not observe obvious exceedences. We contacted the sheriff regarding this matter and he responded that he has not observed any violations in speed for trucks travelling in the area.

## **Change Orders/Claims:**

No changes since last report.

## **Problems/Potential Problems:**

The WDNR has proposed to make some modifications to the outfall. If we are to address these proposed changes, we will need to begin a change order ASAP. This will require concurrence from the WAM and CO before we initiate the change, however.

## **Schedule Status:**

The Landfill Cap work is proceeding on schedule. Groundwater Treatment work is slightly behind schedule.

## **Status Of Contingency Fund:**

No changes since last report.

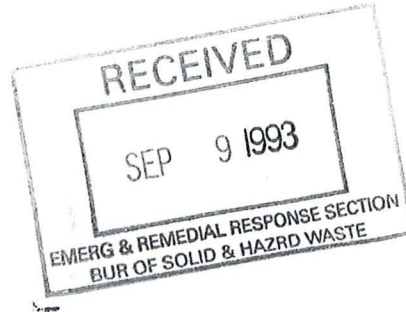
WEEKLY PROGRESS REPORT



ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR



**FROM:** Steve Keith/CH2M HILL

**DATE:** September 7, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** August 30, 1993

**Work Performed This Week:**

Placement of clay continued. Approximately 80% of the area to be capped has been covered with clay. Portions of the site are almost ready for placement of the sand drainage layer.

The CO for the US EPA has not agreed to participate in a committment to restoring the Sportsmans Club property in the event that the WDNR does not dredge the Black River. Unless the WDNR can provide WESTON with a committment satisfactory to their needs, they will likely procure the sand from an alternative borrow source.

Construction of the clarifier base was completed.

A Groundwater Treatment RA Subcontract progress review meeting was held on August 31 at the field office of CH2M HILL.

Air injection well construction was initiated. About 5 wells were installed.

The local utility began extending 3 phase power to the south end of the site.

# **M E M O R A N D U M**

Page 2

September 7, 1993

## **Work Projected For Next Week:**

Placement of the clay layer will continue.

Erection of the clarifier walls will begin.

Installation of air injection wells will continue.

Placement of the sand drainage layer will begin.

The local utility will complete the extension of 3 phase power to the site.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

No changes since last report.

## **Problems/Potential Problems:**

See comment above regarding Sportsmans Club as a borrow source.

## **Schedule Status:**

The Landfill Cap work is proceeding on schedule. Groundwater Treatment work is about 2 to 3 weeks behind schedule.

## **Status Of Contingency Fund:**

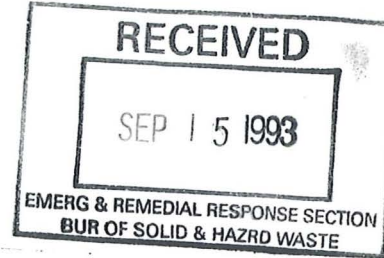
No changes since last report.



ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

TO: Kevin Adler/WAM/US EPA

COPIES: Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR



FROM: Steve Keith/CH2M HILL

DATE: September 13, 1993

SUBJECT: Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

PROJECT: GLO65614.PP.PM

Report For Week Of: September 7, 1993

Work Performed This Week:

Placement of clay continued and is near completion. More than 95% of the area to be capped has been covered with clay. Portions of the site are ready for placement of the sand drainage layer. It appears that the total volume of clay required is less than originally estimated (and bid), by more than 10,000 cubic yards.

Erection of the clarifier walls was initiated.

Construction of the foundation for the treatment building was initiated.

Air injection well construction continued and about half of these wells have been installed.

The local utility continued with installation of 3 phase power to the south end of the site.

# MEMORANDUM

Page 2

September 13, 1993

## **Work Projected For Next Week:**

Placement of the clay layer will be completed.

Placement of the sand drainage layer will begin.

Erection of the clarifier walls will continue.

Installation of air injection wells will continue.

Construction of the foundation for the treatment building will continue.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

No changes since last report.

## **Problems/Potential Problems:**

The use of Sportsmans Club as a borrow source has not been resolved. The WDNR is pursuing contracting directly with Sportsmans Club to resolve WESTON's concerns over responsibility for site restoration.

## **Schedule Status:**

The Landfill Cap work is proceeding on schedule. Groundwater Treatment work is about 2 to 3 weeks behind schedule.

## **Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** September 21, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** September 13, 1993

**Work Performed This Week:**

Construction of the landfill cap clay layer was completed.

Erection of the clarifier walls was completed and the first water fill test was conducted. Two leaks at the base of the tank were discovered during the test.

Construction of the foundation for the treatment building was completed.

Air injection well construction continued and only 3 wells still require installation.

A new alignment for the outfall piping was determined, that would avoid eliminating a large tree.

The Sportsmans Club property was cleared for sand drainage material. Sand was placed around the site and on the northwest quadrant of the property. Sand drainage piping was placed around the perimeter and at various interval points.

# MEMORANDUM

Page 2

September 21, 1993

## **Work Projected For Next Week:**

Reinforcing steel for the process building slab will be placed.

The clarifier will be drained and leaks in the walls will be repaired.

Placement of the sand drainage layer on the landfill cap will continue.

Construction of the east end of the outfall piping will begin (excludes the work requiring trench dewatering).

Piezometers on Ackerman and Hubley property will be installed.

## **Community Relations Activities:**

Mr. Hubley has expressed discontent when we indicated that construction of the outfall pipeline could extend beyond the permanent easement during the construction period. We have drafted a letter explaining that the access agreement did not specify the limitations during construction.

We have been in contact with Mr. Earl Pedretti regarding installation of piezometers on his property. We have not resolved this yet.

## **Change Orders/Claims:**

No changes since last report.

## **Problems/Potential Problems:**

See Community Relations.

The revisions to the outfall design are being made to accommodate the requirements established by the WDNR. The modifications are not expected to be significant in terms of impact on design or construction cost.

We contacted the WDNR to verify that discharge of water during trench dewatering to Bullet Chute need only comply with the effluent limits established by the WDNR, and

**M E M O R A N D U M**

Page 3

September 21, 1993

that treatment of the water prior to discharge would not be a requirement if it could be demonstrated that treatment is not required to meet the effluent limits.

**Schedule Status:**

The Landfill Cap work is proceeding on schedule. Groundwater Treatment work is about 2 to 3 weeks behind schedule.

**Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** September 24, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** September 20, 1993

**Work Performed This Week:**

Leaks observed during the water fill test of the clarifier were repaired.

Reinforcing steel for the process building floor slab was placed.

Air injection well construction was completed.

Placement of the sand drainage layer continued, and portions of the sand drainage layer were covered with geotextile and the protective soil layer.

Piezometers and monitoring wells on Ackerman and Hubley property were installed. PZ-02 was not installed, however, due to problems with rig access. Due to the sensitivity of Mr Hubley to construction activity on his land, we have opted to not install PZ-02 at this time.

The east end of the outfall piping was constructed.

# MEMORANDUM

Page 2

September 24, 1993

## **Work Projected For Next Week:**

Painting of the clarifier will continue.

Placement of the sand drainage layer (as well as some geotextile and protective soil layer) on the landfill cap will continue.

Plumbing and electrical conduit that will run under the floor slab will be placed.

The outfall alignment will be cleared.

## **Community Relations Activities:**

See Problems/Potential Problems.

## **Change Orders/Claims:**

No changes since last report.

## **Problems/Potential Problems:**

The limits of operation of construction equipment during installation of the outfall pipeline on Hubley property could present a problem for portions of the alignment. Mr. Hubley believes that no activity should extend beyond the 35-foot limits shown on the plans. While we intend to make every effort to stay within these limits, there may be portions along the alignment where temporary piling of spoils and vehicle access could require more than 35 feet in width. We hope to resolve this with the land owner to avoid potential claims from the subcontractor.

We are developing a plan for verification of water discharged to Bullet Chute during trenching will comply with the effluent limits established by the WDNR. Our plan may require treatment only if it appears that an exceedence would occur without treatment. Paul Kozol/WDNR has requested that the plan be made available for review by the WDNR once it is ready.

**M E M O R A N D U M**

Page 3

September 24, 1993

**Schedule Status:**

The Landfill Cap work is proceeding on schedule. Groundwater Treatment work is about 2 to 3 weeks behind schedule.

**Status Of Contingency Fund:**

No changes since last report.



ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

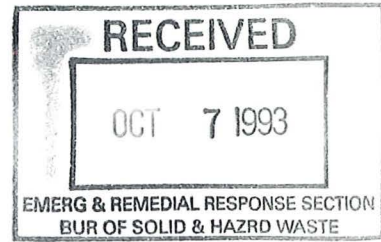
**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** October 4, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** September 27, 1993

**Work Performed This Week:**

Placement of reinforcing steel for the process building floor slab was placed.

Placement of the sand drainage layer continued, and portions of the sand drainage layer were covered with geotextile and the protective soil layer. More than one-third of the sand layer has been placed and more than one-sixth of the protective layer has been placed.

Construction of the east end of the outfall piping continued, and construction of the groundwater headers was initiated.

Painting of the clarifier continued.

The outfall alignment was cleared.

Tests of soil proposed for use as the protective layer of the cap were found to not meet specifications. Because of concerns over increased truck traffic past the school and the fact that the source had previously supported vegetation, it was decided that the current

# MEMORANDUM

Page 2

October 4, 1993

soil source would be pursued and, if necessary, the fines content would be improved through addition of more fine-grained soil to it. Since the excavation of this source material began, the material appears to be more suitable than initially expected, and has not required supplemental soil.

Arrangements are being finalized with the SMO for procurement of a laboratory that will perform analyses of groundwater samples collected during the first week of November. The sampling will be used to establish baseline groundwater conditions as part of the long-term groundwater monitoring plan. The CLP labs, however, cannot achieve the detection limits requested for certain volatiles organic compounds (eg, the PAL for benzene). Following discussion with the laboratory coordinator for the WDNR regarding feasibility of measurement of concentrations near the PALs, it was decided to instruct the lab to use accepted analytical methods, and ignore the detection limit versus PAL issue.

## **Work Projected For Next Week:**

Painting of the clarifier will be completed.

Placement of the sand drainage layer (as well as some geotextile and protective soil layer) on the landfill cap will continue.

Pouring of the groundwater treatment building floor slab will be initiated.

Piezometers PZ-05 and PZ-06 will be installed. According to Mr Carl Pedretti, the Town has a 35-foot easement on either side of the Sportsmans Club Road.

## **Community Relations Activities:**

A representative from the groundwater treatment subcontractor walked the area to be cleared on Hubley property with Mr Hubley. The construction activities associated with the outfall pipeline construction were described to Mr Hubley, including the possible need to have spoils areas and truck traffic work outside the 35 foot limits shown on the drawings.

The WAM and SM met with Mr Ackerman during the WAMs visit to the site on Sept 28. Mr Ackerman requested that the monitoring well located adjacent to his car port be decommissioned.

# MEMORANDUM

Page 3

October 4, 1993

## **Change Orders/Claims:**

No changes since last report.

## **Problems/Potential Problems:**

On Sept 27 the WDNR faxed a copy of the requirements for permitting high capacity wells to the field trailer. Some of this information had been made available during the design and was reviewed at that time and responses were generated and submitted to the WDNR. There has not been any action on these matters since that time. During the reporting week the WAM reviewed the information faxed from the WDNR and is of the opinion that a permit application need not be pursued. CH2M HILL will assist the WDNR in resolving specific technical questions, however.

## **Schedule Status:**

The Landfill Cap work is proceeding on schedule. Groundwater Treatment work is about 2 to 3 weeks behind schedule.

## **Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** October 11, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.PP.PM

**Report For Week Of:** October 4, 1993

**Work Performed This Week:**

Placement of the sand drainage layer continued, and portions of the sand drainage layer were covered with geotextile and the protective soil layer. The sand layer has been placed over the entire cap, and more than one-third of the protective layer has been placed. Soil from two borrow sources are being blended to achieve the minimum requirements of the specifications for the protective layer.

Piping in the sand drainage layer was completed.

Construction of the groundwater headers and air injection headers continued, and is more than 50% complete.

Painting of the clarifier continued and is nearly complete.

Electrical conduit was placed under the process building and extended out to extraction well locations.

# MEMORANDUM

Page 2

October 11, 1993

The Request For Proposal for temporary granular activated carbon system to treat the groundwater treatment facility effluent was drafted.

## **Work Projected For Next Week:**

Painting of the clarifier will be completed.

Placement of the protective soil layer on the landfill cap will continue.

Electrical utilities work will continue.

Construction of air injection headers will continue.

Request For Proposals for temporary granular activated carbon system to treat the groundwater treatment facility effluent will be sent out to interested bidders.

A draft of the groundwater treatment facility operating subcontract will be prepared for internal review. After it has been internally reviewed, copies will be distributed to the US EPA and WDNR for review.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

No changes since last report.

## **Problems/Potential Problems:**

Although these are not problems, several issues need to be resolved with the WDNR, including:

- potential revisions to the final seeding plan
- decommissioning wells on the Ackerman property
- potential changes to sampling frequency of groundwater monitoring during the first year of operation

**MEMORANDUM**

Page 3

October 11, 1993

The Site Manager will contact the WDNR representative to address these issues.

**Schedule Status:**

The Landfill Cap work is proceeding on schedule. Groundwater Treatment work is about 2 to 3 weeks behind schedule.

**Status Of Contingency Fund:**

No changes since last report.

## ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR ←

**FROM:** Steve Keith/CH2M HILL

**DATE:** October 19, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** October 11, 1993

**Work Performed This Week:**

Placement of the protective soil layer continued, and more than one-half of the protective layer has been placed. Soil from two borrow sources are being blended to achieve the minimum requirements of the specifications for the protective layer. Some locally stockpiled topsoil has been moved and placed.

Construction of the groundwater headers and air injection headers continued, and is more than 90% complete. Work on the headers has stopped until work around the treatment building is nearly complete.

Painting of the clarifier was completed.

Preparation for outfall construction continued. Some regrading was performed along the pipeline route.

The Requests For Bids (RFB) for temporary granular activated carbon system to treat the groundwater treatment facility effluent were distributed to interested parties. The RFB

# MEMORANDUM

Page 2

October 19, 1993

was reviewed by the WDNR, and comments from the WDNR will be incorporated into an addendum to the RFB.

## **Work Projected For Next Week:**

Placement of the protective soil layer on the landfill cap will be completed. Importing of topsoil will begin.

Portions of the floor slab for the treatment building will be poured.

Sheet piling for the outfall will be driven in preparation for outfall construction. Dewatering well points will be installed.

The pre-engineered building is expected to be delivered to the site.

An addendum to the RFB for temporary granular activated carbon system to treat the groundwater treatment facility effluent will be issued to interested bidders.

A draft of the groundwater treatment facility operating subcontract will undergo internal review. After it has been internally reviewed, copies will be distributed to the US EPA and WDNR for review.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

No changes since last report.

## **Problems/Potential Problems:**

No special problems to report this period.



**MEMORANDUM**

Page 3

October 19, 1993

**Schedule Status:**

The Landfill Cap work is proceeding on schedule. Groundwater Treatment work is about 1 to 2 weeks behind schedule.

**Status Of Contingency Fund:**

No changes since last report.

## ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** October 25, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** October 18, 1993

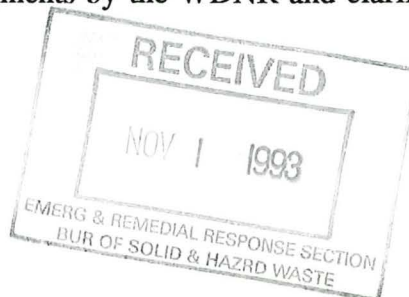
**Work Performed This Week:**

Placement of the protective soil layer was completed. Placement of topsoil layer continued. Cap drainage pipe and endwalls were constructed.

Preparation for outfall construction continued. Sheet piling was driven around the outfall area in Bullet Chute, and well points installed along the pipeline route where dewatering of the pipe trench will be required. On Friday, wellpoint installation encountered some difficulty in the Dodge Chute. Some well points could not be driven more than 6 feet deep due to obstructions. Visual inspection of the material recovered from this depth suggests that it could be charcoal trees. This could be the remains of a former access road.

Addendum No. 1 for the Requests For Bids (RFB) for temporary granular activated carbon system to treat the groundwater treatment facility effluent were distributed to interested parties. The addendum incorporates comments by the WDNR and clarifies issues posed by prospective suppliers.

The last of the air injection wells was installed.



# MEMORANDUM

Page 2

October 25, 1993

## **Work Projected For Next Week:**

Placement of topsoil will continue, pending the subcontractor locating a suitable source.

Portions of the floor slab for the treatment building will be poured.

The outfall pipeline will be constructed.

Construction of the pre-engineered building is expected to begin.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

Three change orders are in progress at this time. One is for flush mounting of groundwater monitoring wells on the Ackerman property, one is for closure of a pilot hole drilled as part of construction of extraction well number 2, and a third is for revision to the access road to replace a 20 ft by 20 ft section of asphalt with concrete. The pilot hole closure is being requested because the extraction well will be drilled about 25 feet east of where the pilot hole was drilled. The concrete section is being requested due to concerns of how the sludge roll-off container could damage the asphalt.

## **Problems/Potential Problems:**

On Friday, the SM spoke with the WDNR regarding the upcoming outfall construction plan. The WDNR requested that several tests be added to the testing already planned for the work. The SM will attempt to obtain the equipment needed to conduct the testing and to get access to the analytical services requested, pending approvals from the US EPA.

On Friday, the outfall construction subcontractor encountered materials between 6 to 10 feet below ground surface in the Dodge Chute during installation of the well points. This could slow progress in some portions of trenching across Dodge Chute. The subcontractor believes that the materials were charred wood from construction of a temporary haul road from many years past.

**MEMORANDUM**

Page 3

October 25, 1993

**Schedule Status:**

The Landfill Cap work is proceeding on schedule. Groundwater Treatment work is about 1 to 2 weeks behind schedule.

**Status Of Contingency Fund:**

No changes since last report.

## WEEKLY PROGRESS REPORT

CH2MHILL

## ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** October 29, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** October 25, 1993

**Work Performed This Week:**

Placement of topsoil layer continued. Two sources of topsoil are being imported, due to the limited availability of topsoil in the area.

Outfall construction was initiated. Dewatering wells were activated on Monday. Excavation was started on Tuesday at the west end of the pipeline, near Bullet Chute. On Tuesday 80 feet of pipe was laid. On Wednesday only 60 feet of pipe was laid. A slowdown in production was largely attributable to the difficulties encountered with dewatering the trench completely. On Thursday 80 feet of pipe was laid. As of Friday morning, it appears that about 80 feet of pipe will be laid on Friday, leaving about 80 feet of pipe to be laid in the Dodge Chute. The subcontractor will work on Saturday and Sunday to finish the work, if necessary.

The remaining sections of the floor slab for the treatment building were poured, and the columns of the treatment building were erected. Rough framing was complete.

# MEMORANDUM

Page 2

October 29, 1993

## **Work Projected For Next Week:**

Placement of topsoil will continue.

Erection of the pre-engineered treatment building will continue, with erection of miscellaneous support members and the outside skin of the treatment building.

Any remaining portions of the outfall pipeline will be installed.

Groundwater sampling for baseline conditions will be performed.

## **Community Relations Activities:**

The SM met with Mr. Hubley and Mr. Ackerman to request access for groundwater sampling and to discuss any other concerns. A memo was sent to the WAM summarizing the discussions.

## **Change Orders/Claims:**

We requested a price from the Groundwater Treatment subcontractor for guard posts outside the sludge dewatering bay. This change will be incorporated into the change order for the concrete apron.

## **Problems/Potential Problems:**

On the 27th, the landfill cap subcontractor indicated that they did not intend to seed the cap this fall. The WDNR representative, Ed Brick, and the County Land Use representative, expressed concern over not seeding this fall, at least with a dormant seed. We have formally notified the subcontractor fall seeding is expected. We anticipate meeting with the subcontractor to discuss this issue next week.

## **Schedule Status:**

The Landfill Cap work is proceeding on schedule. Groundwater Treatment work is about 1 to 2 weeks behind schedule.

**MEMORANDUM**

Page 3

October 29, 1993

**Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** November 8, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** November 1, 1993

**Work Performed This Week:**

Placement of topsoil layer on the landfill cap was completed. Endwall/aprons for the drainage layer were installed.

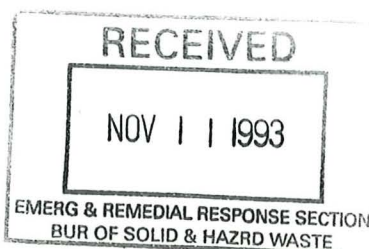
Erection of the treatment building continued, with structural steel and portions of the roof being installed.

Sampling of groundwater to establish baseline conditions was performed. None of the extraction wells could be sampled, and two monitoring wells and two residential wells were added to the sources sampled.

Restoration of the Dodge Chute was initiated with grading work nearly complete, leaving the mulching and seeding to be done yet.

Bids for the supply of a temporary activated carbon system during the first 4 to 6 weeks of operation were received on Thursday. Although more than 20 requests were mailed out in early to mid October, only one bid was received. The bid amount is within 10 percent of the engineer's estimate.

weekly.mem





# MEMORANDUM

Page 2

November 8, 1993

A copy of the draft bid documents for treatment plant operation was sent to you for review. You should receive it in Monday's mail.

## **Work Projected For Next Week:**

Seeding of the cap is expected to be performed. Dormant seed and mulch will be placed on the cap. Ed Brick/WDNR visited the site last week and will coordinate the use of native seed collected by the Boy Scouts with the landscape subcontractor.

WESTON will be demobilizing, and does not plan to return to the site until next spring.

Erection of the pre-engineered treatment building will continue.

Certain clarifications will be requested from the apparent low bidder for the GAC system, and then a memorandum prepared requesting authorization to award the subcontract.

A sewage holding tank permit application will be submitted to DIHLR. No payment will be included. This is being done to obtain technical feedback from DIHLR.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

None changes since last report.

## **Problems/Potential Problems:**

None.

## **Schedule Status:**

The Landfill Cap work is proceeding on schedule. Groundwater Treatment work is about 1 to 2 weeks behind schedule.

## **Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
 Bill Hubbard/GLO  
 Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** November 15, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
 Onalaska Municipal Landfill Site Remedial Action  
 WA 47-5RL5, Contract No. 68-W8-0040  
 CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** November 8, 1993

**Work Performed This Week:**

Seeding and mulching of the landfill cap was performed. Work on the landfill cap is complete for this year.

Rough grading of the base course of Sportsmans Club Road was completed.

WESTON demobilized.

Erection of the treatment building continued, with work on sidewalls progressing.

The SMO contacted us about several apparent problems with some of the groundwater samples shipped last week (e.g., inadequate sample volume for MS/MSD). After we investigated these issues, the laboratories and SMO acknowledged that these were not problems.

We continue to try to resolve two issues with the apparent low bid for the Activated Carbon subcontract, Calgon. The issues relate to pressure drop and taxes.

# MEMORANDUM

Page 2

November 15, 1993

## **Work Projected For Next Week:**

The WAM, SM, and WDNR representative (Ed Brick) will perform a walk-through of the landfill cap.

Erection of the pre-engineered treatment building will continue.

Certain clarifications will be resolved with the apparent low bidder for the GAC system, and then a memorandum prepared requesting authorization to award the subcontract.

Bid documents for treatment plant operation will be sent to interested parties.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

None changes since last report.

## **Problems/Potential Problems:**

The WDNR has issued a letter to WESTON regarding potential safety concerns for the Sportsmans Club property. WESTON does not consider it their responsibility. Although we have expressed our concerns about safety hazards, we are not in a position to direct WESTON to make the property more safe without a change order.

## **Schedule Status:**

The Landfill Cap work is proceeding on schedule. Groundwater Treatment work is about 1 to 2 weeks behind schedule.

## **Status Of Contingency Fund:**

No changes since last report.

SF/ONALASKA/032013360

WEEKLY PROGRESS REPORT

CH2MHILL

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** November 22, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** November 15, 1993

**Work Performed This Week:**

The WAM (K. Adler), SM (S. Keith), and WDNR representative (E. Brick), toured the site on Nov. 18 to view the finished landfill cap construction. The Landfill Cap work is complete, with the exception of fencing, and vent caps.

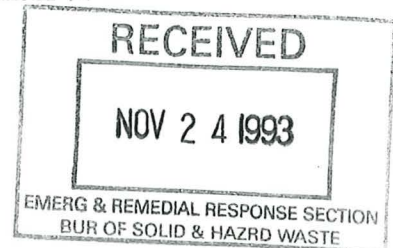
Erection of the treatment building continued, with work on sidewalls progressing. Some electrical conduit and hot water piping was installed.

Drilling and installation of the groundwater extraction wells began and is expected to continue for several weeks. Well No. 2 was nearly complete by the end of the week.

Issues with the apparent low bid for the Activated Carbon subcontract, Calgon, were resolved and a recommendation for award to Calgon is being prepared.

The Requests For Proposals to prospective operating subcontractors was mailed to more than 30 interested parties on the 19th. Bids are due on December 9.

weekly.mem



**MEMORANDUM**

Page 2

November 22, 1993

**Work Projected For Next Week:**

Erection of the pre-engineered treatment building will continue.

Installation of groundwater extraction wells will continue.

A memorandum prepared requesting authorization to award the subcontract for temporary GAC will be prepared.

The amount of work accomplished next week is expected to be less than average due to the short work week.

**Community Relations Activities:**

None.

**Change Orders/Claims:**

None changes since last report.

**Problems/Potential Problems:**

With the demobilization of WESTON, security guards are not being maintained overnight at the site. We are examining options for obtaining services of security guards.

**Schedule Status:**

The Landfill Cap work is complete, with the exception of fencing, and vent caps. This work is scheduled for next spring. Groundwater Treatment work is about 1 to 2 weeks behind schedule.

**Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

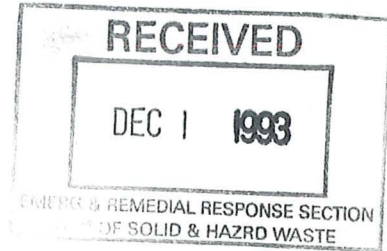
**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** November 24, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** November 22, 1993

**Work Performed This Week:**

Erection of the treatment building continued, with work on sidewalls progressing. Some electrical conduit and HVAC piping was installed.

Drilling and installation of the groundwater extraction wells is continuing. Well No. 4 was installed and work on Well No. 5 has begun.

The septage holding tank was installed.

The amount of work accomplished this week was less than average due to the short work week.

A memorandum prepared requesting authorization to award the subcontract for temporary GAC was prepared and submitted to the CO on November 24

**MEMORANDUM**

Page 2

November 24, 1993

**Work Projected For Next Week:**

Erection of the pre-engineered treatment building will continue.

Installation of groundwater extraction wells will continue.

Performance testing of Well No. 5 may begin.

The air stripper tower will be delivered and erected.

**Community Relations Activities:**

None.

**Change Orders/Claims:**

None changes since last report.

**Problems/Potential Problems:**

Correspondence with the LaCrosse County Highway Department confirmed that they are seeking compensation for perceived damages to County Highway Z.

**Schedule Status:**

Groundwater Treatment work is about 1 to 2 weeks behind schedule.

**Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** December 6, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** November 29, 1993

**Work Performed This Week:**

Sidewalls of the treatment building were completed. Windows were installed.

Outside and inside lighting for the treatment building were installed.

The air stripping tower was erected.

Drilling and installation of the groundwater extraction wells is continuing. Well performance testing is being performed concurrently. Groundwater that is extracted from the wells for the performance test is being pumped to the clarifier where is being aerated and held (i.e., batch treatment) until laboratory testing confirms that BTEX levels are within discharge limits. The clarifier contents will then be discharged to the Bullet Chute. Wells No. 5 and 2 were completed and work on Well No. 1 has begun.

Addendum No. 1 to the Groundwater Treatment Operation Subcontract was issued. The addendum provides for an extension in the bid due date to December 20.



# MEMORANDUM

Page 2

December 6, 1993

A draft copy of a startup plan for the groundwater treatment system was issued to the WDNR and internally for review. A revised version should be ready within 2 weeks.

## **Work Projected For Next Week:**

Installation of groundwater extraction well No. 1 will continue.

Miscellaneous piping, plumbing and wiring work will be performed.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

None changes since last report.

## **Problems/Potential Problems:**

No specific items to report this period.

## **Schedule Status:**

Groundwater Treatment work is currently on schedule.

## **Status Of Contingency Fund:**

No changes since last report.

## WEEKLY PROGRESS REPORT

CH2M HILL

## ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

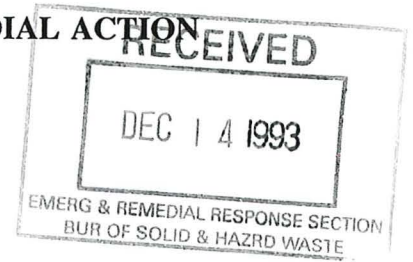
**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** December 10, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** December 6, 1993

**Work Performed This Week:**

The interior rooms of the treatment building were constructed.

Miscellaneous electrical wiring for the treatment building was performed.

Drilling and installation of the groundwater extraction wells is complete. Well performance testing is ongoing, with all wells except well #2 being tested. Groundwater that is extracted from the wells for the performance test is being pumped to the clarifier where is being aerated and held (i.e., batch treatment) until laboratory testing confirms that BTEX levels are within discharge limits. The clarifier contents will then be discharged to the Bullet Chute.

CH2M HILL requested a price proposal from RE Wright to extend the chain-link fence along the access road for protection of the air injection wellheads from vehicles.

# MEMORANDUM

Page 2

December 10, 1993

## **Work Projected For Next Week:**

Performance testing of well No. 2 will be completed.

Process tanks may be set if delivered this week.

Pitless adapters may be installed if delivered this week.

## **Community Relations Activities:**

Television crews visited the site to take footage for a story on the upcoming Township vote on settlement. Their access was restricted and there were no interviews.

## **Change Orders/Claims:**

None changes since last report.

## **Problems/Potential Problems:**

Several sub-subcontractors have limited their efforts on the job site this week when they were informed that payment to our subcontractor would probably not be made until next week. The delay in payment is due to payment not having been received from EPA. While the time frame for payment is still within the limits of our contract, the sub-subcontractors have decided to express their discontent by limiting productivity and labor hours this week and next.

## **Schedule Status:**

Groundwater Treatment work is currently on schedule.

## **Status Of Contingency Fund:**

No changes since last report.

## ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

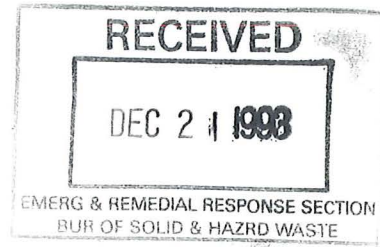
**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** December 20, 1993

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** December 13, 1993

**Work Performed This Week:**

Fiberglass tanks were delivered to the site. Concrete pads for the tanks were constructed.

Pitless adapters (for the extraction wells) were connected to the well casing. Some wiring and pipe connection remains to be done on the pitless adapters.

Work on the building continues, with installation of panels on the inside of the building.

**Work Projected For Next Week:**

Fiberglass tanks may be set.

Connection of piping and electrical wiring to the pitless adapters may be completed this week.

Interior paneling of the building will continue.

**M E M O R A N D U M**

Page 2

December 20, 1993

**Community Relations Activities:**

None.

**Change Orders/Claims:**

None changes since last report.

**Problems/Potential Problems:**

None.

**Schedule Status:**

Groundwater Treatment work is currently on schedule, although the current schedule for delivery of some major equipment items could result in delaying the schedule several weeks.

**Status Of Contingency Fund:**

No changes since last report.

**Additional Note:**

Due to the holiday season, there will be no construction activity from December 23 through January 2. Therefore, the next weekly report will be issued January 10.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

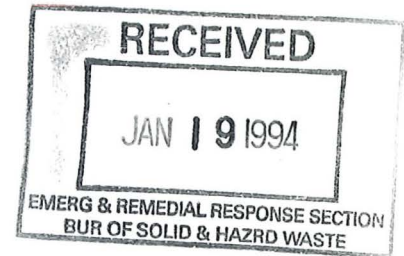
**TO:** Tom Williams/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** January 10, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** January 3, 1994

**Work Performed This Week:**

Framing of interior rooms (lab, office, toilet) continued.

Interior paneling for the process building continued.

Two roll-up doors were installed.

Several of the FRP tanks were set.

**Work Projected For Next Week:**

Interior paneling of the building will continue.

Miscellaneous interior electrical and process piping will be installed.

**M E M O R A N D U M**

Page 2

January 10, 1994

**Community Relations Activities:**

None.

**Change Orders/Claims:**

None changes since last report.

**Problems/Potential Problems:**

None.

**Schedule Status:**

Groundwater Treatment work is currently on schedule, although the current schedule for delivery of many of the major equipment items is late January. Construction activity should could be significantly increased at that time.

**Status Of Contingency Fund:**

No changes since last report.

**Additional Note:**

Due to the holiday season, this was the first report prepared since prior to the holiday period.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

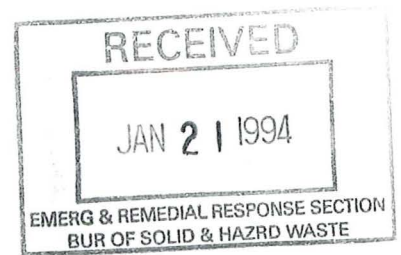
**TO:** Tom Williams/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** January 17, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** January 10, 1994

**Work Performed This Week:**

Paneling of interior rooms (lab, office, toilet) continued.

Trim on exterior of the process building (downspouts, etc) was completed.

Some miscellaneous process piping (extending untreated groundwater piping inside the process building, and piping from stripper to inside of building) was installed.

**Work Projected For Next Week:**

If filter press is delivered, the supporting platform will be erected and the press set.

Interior paneling of the building will continue.

Miscellaneous interior plumbing work will continue.



# MEMORANDUM

Page 2

January 17, 1994

Extremely cold weather (temperatures as low as -15F during working hours) could slow the progress this week.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

None changes since last report.

## **Problems/Potential Problems:**

None.

## **Schedule Status:**

Startup of the Groundwater Treatment Facility is scheduled for the first week of April.

## **Status Of Contingency Fund:**

No changes since last report.

## **Additional Note:**

WESTON has notified us that due to the variance in the actual versus bid volume of clay used in the cap, they will be requesting that a revised unit price be applicable and they be compensated. The basis for their request is that the variance is greater than 15%. We have not yet received a detailed request.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

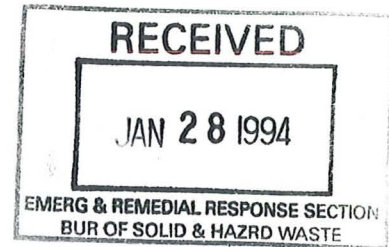
**TO:** Tom Williams/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** January 21, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** January 17, 1994

**Work Performed This Week:**

Paneling of interior walls continued.

Pipe racks and hangers were placed in preparation for process piping work next week.

Some miscellaneous process piping work was performed.

Extremely cold weather (temperatures as low as -30F during working hours) slowed the progress this week.

**Work Projected For Next Week:**

Erection of the filter press mezzanine will begin, and may be completed.

Interior paneling of the building will continue.

# MEMORANDUM

Page 2

January 21, 1994

Miscellaneous process piping will continue.

Well pumps will be set in wells.

The SM and the electrical design engineer plan to travel to the site on Thursday to meet with the electrical subcontractor.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

A change order for extending the fence around the in situ treatment wells is being prepared. The purpose of the extension is to protect the wellheads from vandals. An estimate has been received from the subcontractor for the work.

A change order for extending pipeline from the process building to the area where the temporary activated carbon system will be set is being prepared. The pipeline is expected to be used on a temporary basis during the startup period. An estimate from the subcontractor has not been requested.

## **Problems/Potential Problems:**

None.

## **Schedule Status:**

Startup of the Groundwater Treatment Facility is scheduled for the first week of April.

## **Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

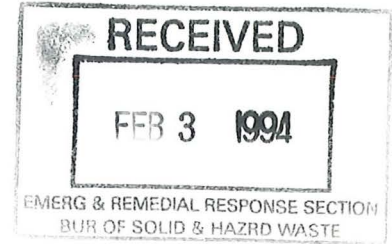
**TO:** Tom Williams/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** January 31, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** January 24, 1994

**Work Performed This Week:**

Paneling of interior walls was completed.

Some miscellaneous process piping and pipe hanger work was performed.

The sludge filter press mezzanine was erected and the filter press lifted onto it, and the stairway to clarifier bridge was erected.

Groundwater well pumps were set in the wells.

**Work Projected For Next Week:**

Miscellaneous process piping will continue.

# MEMORANDUM

Page 2

January 31, 1994

The SM, a mechanical designer, and an electrical designer plan to travel to the site on Tuesday to review progress on process piping installation and to meet with the electrical subcontractor (last Thursday's meeting was cancelled).

Dry wall in laboratory and toilet rooms to be installed.

Structural steel erection (inside) to continue.

HVAC systems installation will begin.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

The Groundwater Treatment subcontractor has submitted a request for price increase to cover the addition of structural steel toeplates on the filter press mezzanine. This addition is required by OSHA.

We are reviewing the subcontractor's recommendation for installing an overhead lifting mechanism for filter press plates removal. No pricing information has been requested at this time.

## **Problems/Potential Problems:**

None.

## **Schedule Status:**

Startup of the Groundwater Treatment Facility is scheduled for the first week of April.

## **Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

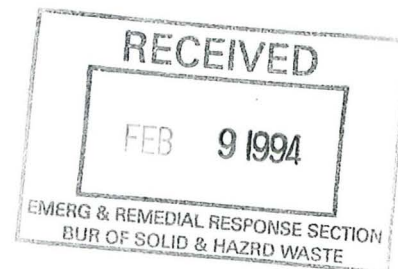
**TO:** Tom Williams/RPM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLO  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** February 6, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** January 24, 1994

**Work Performed This Week:**

Installed the air supply unit and unit heaters.

Removed ice that had formed in the clarifier.

Tiling in the lavatory was installed.

Installed some 6-in and 10-in process PVC lines.

**Work Projected For Next Week:**

HVAC ductwork and piping will be installed.

Piping and components associated with the filter press will be installed.

Some wiring and electrical conduit may be installed.

**M E M O R A N D U M**

Page 2

February 6, 1994

**Community Relations Activities:**

None.

**Change Orders/Claims:**

No changes since last report.

**Problems/Potential Problems:**

None.

**Schedule Status:**

Startup of the Groundwater Treatment Facility is scheduled for early April.

**Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Thomas Williams/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** February 14, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** February 7, 1994

**Work Performed This Week:**

Process piping work continued, with 6-inch PVC pipelines being the predominant type of pipe installed.

The recirculation pump for the filter press system was installed.

Dry wall in the lavatory and laboratory was installed and painted.

Metal sheeting was installed in the interior walls of the laboratory.

The main air handling unit (ASU-1) was hung.

Vents for the unit heaters were installed.

Hoses for the filter press were connected.

Ice removal from the clarifier continued.



# MEMORANDUM

Page 2

February 14, 1994

Preparation of the closure report for the landfill cap was initiated.

## **Work Projected For Next Week:**

Installation of process piping will continue.

The window in the east wall of the control room will be installed.

Ductwork for the air supply unit will be installed.

Ice removal from the clarifier will continue.

## **Community Relations Activities:**

The SM was contacted by the LaCrosse County Solid Waste Department inquiring as to the plans for the disposal location for sludge from the treatment plant. August-Mack, who was the low bid for the operations subcontract, based their bid price on disposing the sludge at a landfill outside the County. The County has interest in receiving the sludge to limit the potential long-term liability of the Town of Onalaska. Depending on whether or not the County is willing to lower their disposal fee for the sludge, it may be possible to direct the sludge to the County landfill at no increase in cost to the project.

## **Change Orders/Claims:**

Change Order No. 3, which includes the addition of fence (for protection of air injection wells), toe plates (for OSHA code compliance), and blower motor size increase (to provide the desired removal efficiency) has been drafted. A copy of the draft will be faxed to the WAM for review.

## **Problems/Potential Problems:**

None.

**M E M O R A N D U M**

Page 3

February 14, 1994

**Schedule Status:**

Startup of the groundwater treatment facility is expected to begin in early April.

**Status Of Contingency Fund:**

No changes since last report.

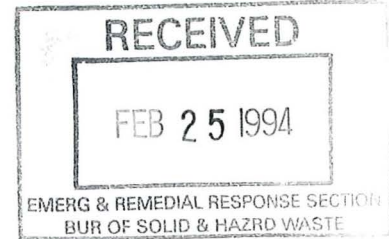
**Other:**

A draft copy of contract documents for the dredging of the Dodge Chute were requested and given a cursory review. Comments will be submitted to the WAM under a separate cover.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

TO: Thomas Williams/WAM/US EPA

COPIES: Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR



FROM: Steve Keith/CH2M HILL

DATE: February 20, 1994

SUBJECT: Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

PROJECT: GLO65614.CM.PM

Report For Week Of: February 14, 1994

Work Performed This Week:

Process piping work in the process building continued, with PVC pipelines being the predominant type of pipe installed.

Installation of the center column draft tube and sludge rake in the clarifier was initiated.

Work Projected For Next Week:

Installation of process piping will continue.

Construction of the internal components to the clarifier (draft tube, reaction zone, launders, sludge rake, etc.) will continue.

**M E M O R A N D U M**

Page 2

February 20, 1994

**Community Relations Activities:**

None.

**Change Orders/Claims:**

None since last report.

**Problems/Potential Problems:**

None.

**Schedule Status:**

Startup of the groundwater treatment facility is expected to begin in mid-April.

**Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Thomas Williams/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** February 28, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** February 21, 1994



**Work Performed This Week:**

Process piping work in the process building continued, with PVC pipelines being the predominant type of pipe installed.

Installation of the center column draft tube and sludge rake in the clarifier was completed (grouting of the clarifier bottom will be performed in several weeks).

Interior walls and door and window frames were painted.

Interior doors were hung.

Concrete equipment pads for minor equipment were constructed.

**Work Projected For Next Week:**

Installation of process piping will continue.

# MEMORANDUM

Page 2

February 28, 1994

Plumbing of sanitary and water lines will begin.

Painting interior frames will continue.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

None since last report. A change order to extend PVC piping to the temporary GAC system is being drafted.

## **Problems/Potential Problems:**

None.

## **Schedule Status:**

Startup of the groundwater treatment facility is expected to begin in mid-April.

## **Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Thomas Williams/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** March 4, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** February 28, 1994

**Work Performed This Week:**

Several major equipment items were received and set, including the caustic tank, the acid tank, the air compressor, the aeration well blower (in situ system), and the aeration tank blower. The compressor air dryer was received but won't be set until next week.

Painting of the mezzanine and interior doors and frames continued.

The precoat tank mixer and mixer support was installed.

The diffusers for the aeration tank were installed.

Butterfly valves for the extraction well pipelines (inside) were installed.

Process piping and hangers to the filter press were installed, including the overflow line.

# MEMORANDUM

Page 2

March 4, 1994

## **Work Projected For Next Week:**

Pending their delivery, the following will be received and installed:

- clearwell pump
- service water pump
- sump pump control panels
- transformer panels for lighting
- MCC-1

Receipt of these items would represent the bulk of the remaining process equipment.

Painting of the mezzanine and doors and frames will continue.

Installation of HVAC ductwork and louvers will begin. Some wiring to the motorized operators for the louvers will be installed.

Some cabinets and miscellaneous office equipment will be installed.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

None since last report. A change order to extend PVC piping to the temporary GAC system is being prepared.

## **Problems/Potential Problems:**

Long-term groundwater monitoring is not part of this work assignment, but is addressed under the long-term response action (LTRA) work assignment. It may be necessary to begin the groundwater sampling portion of the LTRA before the operation portion of the LTRA begins if it is desired to have information on groundwater collected during the first few months of operation. This would be specific to groundwater quality. Groundwater gradients, and the effectiveness of the groundwater collection system to contain the plume, could be assessed from groundwater elevation measurements, which can be performed under the current work assignment.



**M E M O R A N D U M**

Page 3

March 4, 1994

**Schedule Status:**

Startup of the groundwater treatment facility is expected to begin in late April. This is a change in schedule from the last report.

**Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Thomas Williams/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** March 14, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLO65614.CM.PM

**Report For Week Of:** March 7, 1994

**Work Performed This Week:**

The two sump pumps were received and installed.

Wiring of process equipment was initiated.

Water supply plumbing was initiated.

Painting of the mezzanine steel continued.

Construction of the HVAC ductwork and louvers was initiated

Process piping continued, including connections to the clarifier discharge and aeration well tank connections.

The lab sink and cabinets were installed.

# MEMORANDUM

Page 2

March 14, 1994

## **Work Projected For Next Week:**

Painting of the mezzanine (second coat) will continue.

Installation of HVAC ductwork and louvers will begin. Some wiring to the motorized operators for the louvers will be installed.

Water supply plumbing will continue.

Process piping will continue.

Process electrical will continue.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

A change order to extend PVC piping to the temporary GAC system is being prepared. We may be including a mixer stand in this change order. Upon review of the mixer after delivery to the site, the potential wear on the tank became a concern and the decision was made to fabricate a stand for the mixer rather than have it supported from the tank, thereby reducing chances for tank damage in the long-term.

## **Problems/Potential Problems:**

The QAPP prepared for the startup sampling plan requests rapid turnaround for analyses. The ability to receive preliminary results within two days from sample shipment has been questioned. We are currently in the process of determining how the results can be forwarded to us immediately upon receipt from the CLP lab.

## **Schedule Status:**

Startup of the groundwater treatment facility is expected to begin in late April.

**M E M O R A N D U M**

Page 3

March 14, 1994

**Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

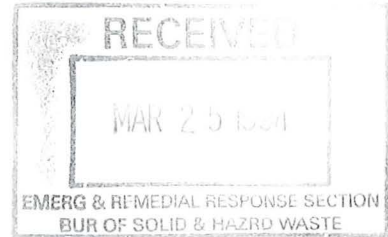
**TO:** Thomas Williams/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** March 19, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLE65614.CM.PM

**Report For Week Of:** March 7, 1994

**Work Performed This Week:**

Water supply plumbing continued to service hose drops and safety showers. Compressed air pipelines were extended to air drops.

Painting of the mezzanine steel was completed.

Construction of the HVAC ductwork and louvers continued, and ceiling fans were installed.

The air dryer was installed.

Sinks in the laboratory and lavatory were installed.

Wiring was run to the unit heaters, and motorized operators for the louvers. Outdoor lighting was installed.

The control panel for the air supply unit was installed.

# MEMORANDUM

Page 2

March 19, 1994

Aeration well blower piping was completed.

## **Work Projected For Next Week:**

Painting of the doors and piping supports should continue.

Water supply plumbing will continue.

Wiring of environmental controls and installation of pneumatic controls will continue.

Interior partition lights are expected to be installed.

HVAC ductwork should be completed.

Miscellaneous process piping will continue.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

No changes since last report.

## **Problems/Potential Problems:**

No changes since last report.

## **Schedule Status:**

Startup of the groundwater treatment facility is expected to begin in late April or first week in May.

## **Status Of Contingency Fund:**

No changes since last report.

SF/ONALASKA/6 3201396 0/RPTS

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Thomas Williams/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** March 30, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLE65614.CM.PM

**Report For Week Of:** March 21, 1994

**Work Performed This Week:**

Painting of the doors and piping supports continued.

Water supply plumbing continued (H2O and compressed air).

Wiring of environmental controls and installation of pneumatic controls continued.

Interior partition lights are expected to be installed.

HVAC ductwork was completed.

Process piping to Aeration Tank was completed. Also started stainless steel acid piping.

Electrical work for sump pumps was started.

# MEMORANDUM

Page 2

March 30, 1994

## **Work Projected For Next Week:**

Continued work on painting, plumbing and I&C is expected.

## **Community Relations Activities:**

Received call from Mr. Hubley asking about plans for planting of trees (by CAP Subcontractor) and requesting that the Clarifier Tank be painted brown. Subcontractor was asked to propose price for repaint work. Mr. Hubley was told his requests would be considered.

## **Change Orders/Claims:**

CO Nos. 3 and 4 were submitted. Packages are being put together. A change to the compressed air piping to the potable water tanks is likely. Costs are being acquired.

## **Problems/Potential Problems:**

No changes since last report.

## **Schedule Status:**

Startup of the groundwater treatment facility is expected to begin in late April or first week in May.

## **Status Of Contingency Fund:**

No changes since last report.



ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Thomas Williams/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** April 1, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLE65614.CM.PM

**Report For Week Of:** March 28, 1994

**Work Performed This Week:**

Painting of the doors and piping supports was nearly completed.

Wiring of environmental controls and installation of air piping for pneumatic controls continued.

Wiring of major equipment motors and panels, e.g., the sump pumps, clarifier rake drive, and filter press, continued.

Wiring of lighting in the laboratory and control room was completed.

Installation of HVAC ductwork was completed.

The 1-inch acid pipeline from the acid tank to the pump was installed.

PVC piping from the sump discharge lines was installed.

# MEMORANDUM

Page 2

April 1, 1994

## Work Projected For Next Week:

Wiring of equipment and controls will continue, including wiring to the extraction well pump wellheads.

Pending their delivery, flowmeters, valves, and control panels will be installed.

## Community Relations Activities:

None.

## Change Orders/Claims:

Change order No. 3 and No. 4 were sent to RE Wright. Change order No. 3 is for the extension of the chain link fence around the air injection well field. The change order amount is \$7,783.55. Change order No. 4 includes the piping modifications necessary to connect the temporary GAC system to the permanent piping network (\$8,903.00) and installation of a mounting stand for a mixer to alleviate stress on the tank sidewall (\$362.68).

The subcontractor was directed to install 160 LF of 1/2-inch galvanized steel pipe for compressed air (dried) to the potable water tank. The contract drawings show unfiltered air to the water tank (which operates under pressure), but it has been determined that filtered air is appropriate.

## Problems/Potential Problems:

Rapid turnaround of analyses of treated water during the startup period is improbable, according to recent conversations with the SMO. The upcoming changes to laboratory procurement are potentially a concern if testing occurs later than May. The WDNR has suggested the use of close support lab be used to conduct the analyses. Other options would be to procure the services of a local lab under a subsequent WPRR, or a change order to our subcontractors, or elect to use CH2M HILL laboratories.

**M E M O R A N D U M**

Page 3

April 1, 1994

**Schedule Status:**

Startup of the groundwater treatment facility is expected to begin in late April or first week in May.

**Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Thomas Williams/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** April 10, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLE65614.CM.PM

**Report For Week Of:** April 4, 1994

**Work Performed This Week:**

The door and window for the control room were installed.

Piping for showers and caustic line was installed.

A cover to protect the air compressor from dirt falling from the stairs was installed.

Wiring of 110 V equipment, e.g., outlets, electric heaters, continued.

Wiring to the extraction well pump wellheads continued and was nearly completed.

**Work Projected For Next Week:**

Landscaping work will be initiated, e.g., backfilling of trenches for electrical conduit, some near-final grading, and preparing roads for blacktop.

# MEMORANDUM

Page 2

April 10, 1994

Pending their delivery, flowmeters, valves, and control panels will be installed. The clearwell pump will be installed if received.

Some minor process piping and electrical work will continue, e.g., chemical feed piping and wiring of equipment and 110 V devices and outlets.

## **Community Relations Activities:**

Mr. Petrasky, who owns a land parcel to the north of County Highway Z, telephoned the SM to inquire about possible compensation for the monitoring well installed on his property. The SM told Mr. Petrasky that he (the SM) would need to contact the WAM. The SM or Don Olson (the Construction Manager) will direct Mr. Petrasky to contact the WAM directly about this matter.

## **Change Orders/Claims:**

No changes since the last report.

## **Problems/Potential Problems:**

The issue of laboratories that will be used during the startup period will need to be resolved as soon as possible. The WAM recently indicated that an acceptable alternative to using the CLP is being pursued. The WAM and SM will discuss this during the week of the 11th.

## **Schedule Status:**

Startup of the groundwater treatment facility is expected to begin the first or second week in May. The main control panel is expected to be delivered toward the end of the week of the 18th. The schedule for startup directly affected by the installation of this panel.

## **Status Of Contingency Fund:**

No changes since last report.

WEEKLY PROGRESS REPORT

CH2M HILL

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Thomas Williams/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** April 18, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLE65614.CM.PM

**Report For Week Of:** April 11, 1994

**Work Performed This Week:**

Landscapers initiated final grading around the process building and the extraction wells.

The PVC piping to accommodate the temporary GAC system was installed.

Wiring of electric controls and 110 V outlets continued.

Pipe and duct penetrations in the building walls were sealed.

The silt fence running along the west side of the site was pulled to allow passage of turtles across the site.

Revisions to the Groundwater Monitoring Plan, based on WDNR and US EPA comments, were initiated.

# MEMORANDUM

Page 2

April 18, 1994

## **Work Projected For Next Week:**

Pending their delivery, flowmeters, valves, and control panels will be installed. The clearwell pump will be installed if received.

Landscaping of the area around the process building and extraction wells will continue.

## **Community Relations Activities:**

Mr. Ackerman inquired about the removal of the groundwater well that was formerly used as a source of (non-potable) water. Last fall we discussed the possibility of having the well removed. The WDNR has indicated some reservations about having the well decommissioned unless there is a substitute.

In response to Mr. Ackerman's complaints about tire ruts in his yard, the CM filled in the alleged ruts with topsoil.

## **Change Orders/Claims:**

No changes since the last report.

## **Problems/Potential Problems:**

The current teamsters labor strike has slowed the delivery of the main control panels. Our subcontractor is working with the supplier to work around this problem.

## **Schedule Status:**

Functional testing of the major equipment is expected to begin the first or second week in May, and will last one to two weeks. Full startup of the treatment facility will begin once the functional testing is completed. This schedule is dependent upon the receipt and installation of the main control panel.

## **Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Thomas Williams/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** April 24, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLE65614.CM.PM

**Report For Week Of:** April 18, 1994

**Work Performed This Week:**

Landscapers continued final grading and landscaping around the process building and the extraction wells.

The polymer and caustic double-containment pipelines were installed.

Painting of the exterior trim of the building (e.g., doors) continued.

Miscellaneous bathroom fixtures were installed.

Hardware for doors (e.g., closers, weatherstripping) was installed.

Wires were pulled from equipment up to the major control panels to help expedite the completion of wiring (we are awaiting the delivery of the main panels).

Revisions to the Groundwater Monitoring Plan, Startup Sampling Plan, and Operation and Maintenance Manual continued.



# MEMORANDUM

Page 2

April 24, 1994

Preparation of the RFP for procurement of a lab to perform analyses collected during startup was initiated.

## **Work Projected For Next Week:**

Pending their delivery the main control panels will be installed.

The clearwell pump was received and will be installed.

Landscaping of the area around the process building and extraction wells will continue.

The dry air pipeline will be extended to the potable water tank.

Notice To Proceed will be issued to the Operations Subcontractor (August-Mack) and to Calgon Carbon to begin mobilizing equipment and chemicals to the site.

RFPs will be sent to four laboratories to procure analytical services during startup.

## **Community Relations Activities:**

The CM plans to meet with Ray Hubley and Ed Brick on Monday, April 25 to discuss plans for planting the stand of 40 pines that are part of the Landfill Cap Subcontract. The WDNR may request that the US EPA direct us to construct a berm on which the trees will be planted. The WDNR will discuss this with the WAM next week.

## **Change Orders/Claims:**

No changes since the last report.

## **Problems/Potential Problems:**

The current teamsters labor strike has slowed the delivery of the main control panels. Our subcontractor is working with the supplier to work around this problem.

**M E M O R A N D U M**

Page 3

April 24, 1994

**Schedule Status:**

Unchanged since last report. Functional testing of the major equipment is expected to begin the first or second week in May, and will last one to two weeks. Full startup of the treatment facility will begin once the functional testing is completed. This schedule is dependent upon the receipt and installation of the main control panel.

**Status Of Contingency Fund:**

No changes since last report.

## ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Thomas Williams/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** May 2, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLE65614.CM.PM

**Report For Week Of:** April 25, 1994

**Work Performed This Week:**

The portion of the chain-link fence that was under original contract was installed.

MCC-1 was received and was installed.

Landscaping around the process building and the extraction wells was completed.

Hydrostatic testing of 4 pipelines inside the facility was completed.

Notice To Proceed was given to the operation (3 month period) subcontractor and to the temporary activated carbon supplier.

The polymer and caustic double-containment pipelines were installed.

The installation of miscellaneous hardware for doors continued.

RFPs for laboratory services during startup were sent to four prospective labs.

# MEMORANDUM

Page 2

May 2, 1994

The clearwell pump was installed.

## **Work Projected For Next Week:**

The main control panel will be delivered and installed. Final wiring to controls will continue.

The clarifier manufacturer (EIMCO) will observe the installation and begin testing of the rake mechanism. If it appears satisfactory, then grouting of the clarifier bottom will begin.

Pressure testing of process pipelines will continue.

We may initiate testing of the air compressor.

## **Community Relations Activities:**

The CM met with Ray Hubley and Ed Brick on Monday, April 25 and discussed plans for planting pine trees and construction of a berm along the property line.

## **Change Orders/Claims:**

No changes since the last report.

## **Problems/Potential Problems:**

Local interest in the status of the facility appears to be growing as we approach startup. For a number of reasons, including public safety, we recommend that no public presentations or visits by untrained people be scheduled until startup is completed.

## **Schedule Status:**

Functional testing of the major equipment is expected to begin the second week in May, and will last one to two weeks. Full startup of the treatment facility is expected to begin the last week in May.

**M E M O R A N D U M**

Page 3

May 2, 1994

**Status Of Contingency Fund:**

No changes since last report.

## ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Thomas Williams/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** May 9, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLE65614.CM.PM

**Report For Week Of:** April 25, 1994

**Work Performed This Week:**

Installation of the Main Control Panel (MCP) began, but could not be completed because some control elements were not shipped with the panel.

Grouting of the clarifier base was initiated.

Manufacturers' representatives from EIMCO (filter press and clarifier) and from Ingersoll-Rand (air compressor) visited the site to check the installations and begin testing of the mechanical mechanisms.

The sidewalk that extends around the northwest corner of the building was constructed.

Telephone lines were extended to the process building.

The service water pump was installed.

Work Plan Revision Request No. 3 was submitted to the US EPA on May 5.

# MEMORANDUM

Page 2

May 9, 1994

A draft version of a detailed startup plan that outlines the testing procedures for equipment and controls was prepared and reviewed, is now being revised.

Revisions to the Health and Safety Plan (for startup conditions) were initiated.

## **Work Projected For Next Week:**

The remaining control elements needed to complete the installation of the main control panel will be delivered and installed. Final wiring to controls and equipment will continue.

Grouting of the clarifier bottom will continue, and touch-up of the clarifier paint will be performed.

Pressure testing of process pipelines will continue.

Piping insulation will be completed.

Proposals from laboratories to provide analytical services during startup will be received and reviewed. Pending results of the review (i.e., that the bidders are responsive), a notice of award will be issued.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

No changes since the last report.

## **Problems/Potential Problems:**

We have encountered some difficulty in obtaining water for the pressurized potable water system. Since this water serves the safety showers, it must be delivered prior to delivery of the acid or caustic. The construction manager is exploring several options, including extending a hose from the Ackerman home.

# MEMORANDUM

Page 3

May 9, 1994

## **Schedule Status:**

Functional testing of the major equipment is expected to begin the third week in May, and will last one to two weeks. Full startup of the treatment facility is expected to begin the last week in May or first week in June. This schedule slippage of about a week has been attributed to the trucking (teamsters) strike.

## **Status Of Contingency Fund:**

No changes since last report.



## ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Thomas Williams/Acting WAM/US EPA  
Kevin Adler/WAM/US EPA

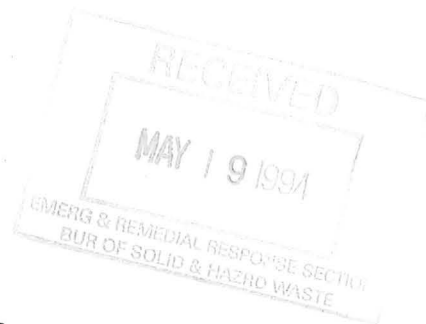
**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** May 16, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLE65614.CM.PM



**Report For Week Of:** May 9, 1994

**Work Performed This Week:**

Several control elements (e.g., measuring water level, flowmeters) were installed.

Grouting of the clarifier base was completed. Touch-up painting of the clarifier was completed.

Manufacturers' representatives from EIMCO (filter press and clarifier) and from Ingersoll-Rand (air compressor) tested the mechanical mechanisms.

The Sportsman's Club Road and the access road were paved.

A revised version of a detailed startup plan that outlines the testing procedures for equipment and controls was finalized.

Several pipelines were pressure tested.

# MEMORANDUM

Page 2

May 16, 1994

Proposals from laboratories to provide analytical services during startup were received and reviewed. ORTEC (an SDBC located in Green Bay) was the apparent low bidder that was responsive.

Insulation of exterior exposed pipelines (between the clarifier and building) was nearly completed.

## **Work Projected For Next Week:**

The remaining control elements needed to complete the installation of the main control panel will be installed.

Pressure testing of process pipelines will continue.

We will begin filling the clarifier with groundwater and aerate it to remove volatile organic compounds. The aerated water will be used to test equipment located inside the building.

Startup of the in situ treatment system will begin.

The temporary activated carbon columns (for effluent polishing) will be installed.

## **Community Relations Activities:**

Mr. Ackerman and Mr. Earl Pedretti visited the site to discuss the proximity of the shoulder of the Sportsman's Club Road to Mr. Pedretti's property line. Mr. Pedretti expressed concern about the damage to his fence that might occur in the winter when snow is pushed from the road.

## **Change Orders/Claims:**

No changes since the last report.

**M E M O R A N D U M**

Page 3

May 16, 1994

**Problems/Potential Problems:**

None.

**Schedule Status:**

Functional testing of the major equipment is expected to begin the third week in May, and will last one to two weeks. Full startup of the treatment facility is expected to begin the last week in May or first week in June.

**Status Of Contingency Fund:**

No changes since last report.

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** May 22, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLE65614.CM.PM

**Report For Week Of:** May 16, 1994

**Work Performed This Week:**

The temporary granular activated carbon system supplied by Calgon was delivered and installed.

Most of the major equipment items (e.g., stripper tower blower, aeration blower, compressor, air handling system) were activated and found to be operational.

Work on installing the main control panel (MCP) was completed and the supplier of the MCP began preliminary testing of process control loops.

Safety showers were tested and found to be in working order. Chemicals (caustic, acid, and diatomaceous earth) were ordered for immediate shipment.

The clarifier was filled with water. The water was tested for BTEX and found to have BTEX at concentrations less than discharge limits. This water will be used as water for process testing next week.

**M E M O R A N D U M**

Page 2

May 22, 1994

Some piping insulation was installed.

Some touch-up painting was performed.

Extension of telephone service to the process building was initiated and nearly completed.

Baseline testing of the in situ system was performed and the in situ blower tested.

**Work Projected For Next Week:**

All control loops (with the possible exception of some of the chemical feed systems) will be tested in preparation for the 5-day performance test.

Minor touch-up painting and electrical work will be performed.

A punch list will be prepared.

August-Mack, the operating subcontractor, will begin their subcontract by providing an operator for the next two weeks to observe the shakedown/startup and assist with revising the O&M Manual.

**Community Relations Activities:**

None.

**Change Orders/Claims:**

None since last report.

**Problems/Potential Problems:**

None.

**M E M O R A N D U M**

Page 3

May 22, 1994

**Schedule Status:**

Functional testing of the major equipment is expected to begin next week. Full startup of the treatment facility is expected to begin May 31.

**Status Of Contingency Fund:**

No changes since last report.

**WEEKLY PROGRESS REPORT**

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**ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION**

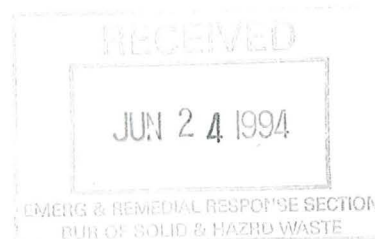
**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** June 4, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLE65614.CM.PM

**Report For Week Of:** May 31, 1994

**Work Performed This Week:**

The cedar fence was installed.

Due to difficulties encountered in calibration of two process controls, the 5-day performance test was delayed until the next week.

**Work Projected For Next Week:**

The 5-day performance test is scheduled to begin on Tuesday, June 7. Effluent samples will be collected each day of operation, beginning with the first day.

**Community Relations Activities:**

None.

# MEMORANDUM

Page 2

June 5, 1994

## **Change Orders/Claims:**

Change order number 5 was transmitted to RE Wight on May 12. This change order requests that sheets of plexiglass be installed underneath the stairway to protect the air compressor from shoe dirt and that the air line extending from the air compressor to the potable and service water tanks be modified to be a dry, filtered air line.

During the last two weeks of May, we directed our subcontractors to make several modifications to the facility, including:

- installation of a pressure switch downstream of the stripper tower fan to provide indication of fan belt failure,
- installation of "downtubes" (5 foot flanged pipe extension) into the clearwell to limit turbulence in the clearwell and improve the performance of the liquid level sensor, and
- insulation of the 5-foot length of intake air duct to the air handling unit.

These items were not included in the subcontract and will be addressed in a forthcoming change order.

## **Problems/Potential Problems:**

During an inspection visit by a plumbing inspector during the week of May 23, the inspector claimed that the compressed air line (dry, filtered air) feeding the potable water tank was not clean enough for the intended purpose and would need to be filtered to 'breathing quality' air. Because the potable water provides the water to the safety showers, we decided to keep the system in operation until the concern is addressed. Although we believe the air does not pose a serious threat to operators (since drinking water will be provided through a separate water cooler), we are in the process of identifying what options are available to address the WDNR concerns.

## **Schedule Status:**

The first day of the 5-day startup test is now scheduled for June 7.

## **Status Of Contingency Fund:**

No changes since last report.



**ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION**

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** May 31, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLE65614.CM.PM

**Report For Week Of:** May 23, 1994

**Work Performed This Week:**

The control loops for the treatment process were checked by the control system supplier working with CH2M HILL's instrumentation and controls designer. Two control loops appear to require some minor repairs and modifications to function as designed. These modifications are in progress.

The sodium hydroxide, sulfuric acid, and filter precoat media were received. Bench testing of groundwater by the polymer supplier has been completed and a recommended polymer was ordered for shipment to the site.

Two representatives from the WDNR (P. Kozol and D. Hantz) met with the SM at the site and reviewed the changes made to the startup sampling plan. As a result of this visit, a conference call was arranged with the WAM and the WDNR to plan analytical testing of a sample of partially treated groundwater and rush to obtain the results prior to the first day of the 5-day startup test.

A punch list for RE Wright was prepared.

# MEMORANDUM

Page 2

May 31, 1994

Startup testing of the in situ treatment system continued.

Equipment suppliers provided training to the operator on the use of major equipment.

## **Work Projected For Next Week:**

The level transmitter in the clearwell tank will be replaced by the controls supplier.

The 5-day performance test is scheduled to begin on Friday, June 3. Effluent samples will be collected each day of operation, beginning with the first day.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

No changes since last report. A change order is in progress that will address several minor piping changes.

## **Problems/Potential Problems:**

None.

## **Schedule Status:**

Due to problems with the operation of the level transmitter located in the clear well tank, the first day of the 5-day startup test has been delayed two days to June 3.

## **Status Of Contingency Fund:**

No changes since last report.

## WEEKLY PROGRESS REPORT

## ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** June 12, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLE65614.CM.PM

**Report For Week Of:** June 6, 1994

**Work Performed This Week:**

Startup of the groundwater treatment facility was scheduled to begin on Tuesday, June 7. Problems with headloss through the temporary activated carbon system were encountered immediately upon pumping water through the carbon units. By the end of the day we determined that the problem was due to excessive build-up of rust on the basket strainer located on the discharge side of the carbon units. After removing and cleaning the strainers the units were found to function as expected and we began pumping at a rate of 600 gpm on Wednesday. Operation for the first full day of the 5-day performance test proceeded with the following minor problems:

- We were unable to feed acid into the discharge piping to lower the pH below 8. The pH and ammonia levels, however, were measured to be within the effluent limits. Measurements of pH and ammonia were made using a HACH test kit and pH probe. We anticipate resolving the acid feed problem as soon as additional acid is delivered to the site. The additional acid should provide sufficient pressure to prime the metering pump.

# MEMORANDUM

Page 2

June 13, 1994

- The liquid level sensor on the clear well tank occasionally transmitted erroneous readings to the level controller. Fine tuning adjustments made at the end of the week appears to have rectified this problem.
- We have not been able to operate the system at an extraction rate of 800 gpm without the extraction wells shutting down periodically to allow the sump to recover. The cycling of the system on and off appears to be due to pressure losses in the temporary carbon units. The pressure losses in the carbon vessels may be due to entrainment of air and subsequent build up of air in the vessels.

Samples of treated and untreated effluent were collected each day.

## **Work Projected For Next Week:**

The 5-day performance test should be completed by Tuesday, June 14. Effluent samples will be collected each day of operation. Bioassay test samples will be collected and bioassay testing will begin.

A stand of pine trees will be planted immediately west of the clarifier (this is per the landfill cap subcontract).

RE Wright will be demobilized from the site and we expect to begin making arrangements to have our (CH2M HILL) field office removed by the end of the month.

Our operation subcontractor, August-Mack, will begin their 90-day operation subcontract.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

During the last week we directed our subcontractors to make several modifications to the facility, including installation of a new check valve downstream of the clear well pump. The pressure drop across the check valve that was initially installed was found to have

# MEMORANDUM

Page 3

June 13, 1994

excessive pressure losses at design flow rates. This item was not included in the subcontract and will be addressed in a forthcoming change order.

## **Problems/Potential Problems:**

We continue to search for sources of potable water.

WDNR concerns over the use of the air compressor for potable water appears to have been resolved following a phone conversation with DIHLR representatives. A letter will be transmitted to officially document the decision.

## **Schedule Status:**

The 5-day startup test is scheduled to be completed June 14.

## **Status Of Contingency Fund:**

No changes since last report.

WEEKLY PROGRESS REPORT

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ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Don Olson/Field Office  
Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** June 20, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLE65614.CM.PM

**Report For Week Of:** June 13, 1994

**Work Performed This Week:**

The groundwater treatment facility was operated almost continuously for the week. The 5-day performance test was completed on Tuesday June 7. Groundwater extraction wells were turned off on Monday to test the filter press. During normal operating conditions it will not be necessary to stop pumping groundwater when the filter press is operating, but because the sump pumps are currently set up to pump to the temporary activated carbon units the extraction wells were turned off while the filter press filtrate was discharged to the sump.

During the past week only extraction wells 2, 3, and 4 were in operation. The combined extraction flow rate ranged between 425 and 525 gpm. The design capacity is 800 gpm. We have been operating at less than design capacity for two reasons:

- Operating at less than design capacity provides additional assurance that we are not exceeding effluent limits while awaiting test results from the laboratory.

# MEMORANDUM

Page 2

June 20, 1994

- Operating at higher flow rates (i.e., 800 gpm) appears to result in excessive pressure losses through the activated carbon units, causing the sump occasionally reach a level that activates a shutdown of the extraction wells. We are working to resolve this problem while operating at the reduced flow rate.

The acid feed system was successfully primed and the pH is being reduced through the addition of acid to the stripper effluent.

Samples of influent and treated effluent were collected each day.

The stand of 40 pine trees along the Hubley property line was planted on Monday and Tuesday.

RE Wright demobilized from the site and our operation subcontractor, August-Mack, will begin their 90-day operation subcontract.

## **Work Projected For Next Week:**

We will continue to collect samples of treated and untreated groundwater. The BTEX, ammonia, and iron tests have 48-hr turnaround times. Results will be tabulated and submitted to the WAM and WDNR as they become available.

Several punch list items related to the main control panel are to be corrected by the control panel supplier at the site this week.

We will begin demobilization from the construction trailer.

Removal of the decon pad may be performed this week.

We will continue to take water level readings to assess the zone of influence of the extraction wells.

## **Community Relations Activities:**

I (Steve Keith) received a telephone call from Dave Skoloda of the Holmen Courier on Thursday, June 16. I initially directed Dave to Paul Kozol but Dave called back after finding that Paul was on vacation. I provided the following information to Dave over the phone:

# MEMORANDUM

Page 3

June 20, 1994

- that we are operating and discharging to the river
- that we are still in a startup mode, and we are operating at less than design capacity
- that we are collecting samples of treated effluent each day and having them tested by a Wisconsin DNR certified lab, and
- as a precautionary measure, we are treating the groundwater using activated carbon.

Dave asked if he could come over to take pictures of the treatment system. I explained that due to OSHA rules, he should not enter the building while it is operating. I told him he could probably get some good photos while standing in the doorway, however. Mr. Skoloda didn't come to the site on Thursday as expected.

## **Change Orders/Claims:**

None since last report. We expect to prepare a final change order for the groundwater treatment plant construction that incorporates all of the final changes we instructed our subcontractors to perform over the past several weeks. Most of these items we addressed in previous weekly memorandums.

## **Problems/Potential Problems:**

We continue to search for sources of potable water.

We were unable to generate sufficient sludge to fully test the filter press last week. We will attempt another filter press run this week.

We are unable to test the operation of the system without the carbon units on line until test results indicate the carbon is not required.

Concentrations of ammonia are less than discharge limits but are high enough to become a potential problem in the bioassay tests. Results should be available in the next two weeks.

## **Schedule Status:**

The construction of the treatment facility is substantially complete. The 90-day operation period for the operation subcontract begins this week.



**M E M O R A N D U M**

Page 4

June 20, 1994

Three piezometers have not been installed as planned due to concerns over access rights. We understand that the Town of Onalaska is in the process of purchasing property that will resolve the access issue.

**Status Of Contingency Fund:**

No changes since last report.

WEEKLY PROGRESS REPORT

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** June 27, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLE65614.CM.PM

**Report For Week Of:** June 20, 1994

**Work Performed This Week:**

We continued to operate the groundwater treatment plant at a flow rate of about 450 gpm for the majority of the week. The system was shut down on the morning of Thursday (June 23) in order for an instrumentation subcontractor to work on the main control panel (i.e., to complete a punch list for the panel).

The 14-day intensive effluent monitoring was completed on Thursday. We anticipate having all rapid turnaround results available by June 22, and will submit this information for US EPA and WDNR review. Since our subcontract with Calgon is for Calgon to provide the activated carbon system until July 16, we will need to submit a request to Calgon to demobilize the units within the next two weeks.

We began demobilization of our field trailer. As of June 29, all telephone calls to the site should be directed to the treatment building at 608-783-2095. Mr. Bill Wood is the facility operator.

# MEMORANDUM

Page 2

June 27, 1994

## **Work Projected For Next Week:**

Results from effluent monitoring will be submitted to the WAM and WDNR.

Demobilization of our construction trailer will be completed.

Removal of the decon pad may be performed this week.

## **Community Relations Activities:**

An article regarding the treatment facility was published in the June 23 Holmen Courier.

## **Change Orders/Claims:**

We directed our subcontractor to install a 2-inch bypass pipeline around the sludge transfer pump. This will permit us to transfer sludge from the clarifier to the sludge holding tank while the sludge pump is being repaired.

## **Problems/Potential Problems:**

See last week's report regarding potable water, pressure drop in the temporary activated carbon, and ammonia.

We have experienced some problems with the accumulation of insects and small debris in the sludge transfer pump. A bypass line was installed last week that should help reduce problems with clogging the pump.

## **Schedule Status:**

No changes since last report. See comment above regarding schedule for demobilization of activated carbon units.

## **Status Of Contingency Fund:**

No changes since last report.

**WEEKLY PROGRESS REPORT**

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**ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION**

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** July 30, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLE65614.CM.PM

**Report For Week Of:** June 27, 1994

**Work Performed This Week:**

We continued to operate the groundwater treatment plant at a flow rate of about 450 gpm for the majority of the week.

We submitted preliminary results of effluent testing to the WAM and WDNR.

**Work Projected For Next Week:**

We will continue to operate at about 450 gpm.

Removal of the decon pad may be performed this week.

**Community Relations Activities:**

A television crew visited the site on June 30 to film the building and treatment process.

**M E M O R A N D U M**

Page 2

June 30, 1994

**Change Orders/Claims:**

None since last report.

**Problems/Potential Problems:**

No different problems since last report.

**Schedule Status:**

No changes since last report.

**Status Of Contingency Fund:**

No changes since last report.

**WEEKLY PROGRESS REPORT**

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**ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION**

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** July 18, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLE65614.CM.PM

**Report For The Period:** July 2 through July 15, 1994

**Work Performed This Reporting Period:**

We continued to operate the groundwater treatment plant at a flow rate of about 450 gpm for the majority of the week of July 2. On July 8 the operator noted increasing noise levels and vibration in the air stripper fan and shut the facility down. The facility was restarted on July 12 after concerns over the fan vibration were resolved.

After experiencing continued maintenance problems with the sludge transfer pump, we examined the pump internals and found that the check valve within the pump does not meet specifications. We have initiated a request that the pump supplier provide a new pump.

The WDNR responded to our request to permit a temporary bypass of the activated carbon system with a request for additional data. The WDNR is concerned that the testing of effluent conducted during the startup period did not include extraction wells EW-1 and EW-5. Although extraction wells EW-1 and EW-5 are designed to capture contamination at the periphery of the plume, and the wells that were on at the time of sampling should have provided a more concentrated (and thus more conservative) influent

# MEMORANDUM

Page 2

July 18, 1994

condition, it was agreed that another test of effluent should be conducted with wells EW-1 and EW-5 operating before the activated carbon can be taken off line.

A memorandum summarizing the startup data received to date was submitted to Paul Kozol at the WDNR on July 15.

## **Work Projected For Next Week:**

We expect to begin sampling of effluent (monthly testing) on or about July 19.

An instrumentation and control engineer from CH2M HILL will visit the site on July 23 to review and fine tune system controls. He will also perform a final inspection of punch list items that were to have been corrected by the control panel supplier during the supplier's visit at the end of June.

## **Community Relations Activities:**

None.

## **Change Orders/Claims:**

None since last report.

## **Problems/Potential Problems:**

An analysis of the rate of consumption of acid and caustic indicates that the acid and caustic metering pumps may be undersized for the influent characteristics observed since startup. The pumps had been sized based on bench scale tests.

We were notified that the laboratory we have subcontracted with for effluent testing during startup will be going out of business at the end of the month. The laboratory (ORTEK) indicated that they will honor all existing contracts and will provide the complete data packages as per our subcontract.

We have experienced some occasional plugging of the 3-inch sludge transfer line (extends from the clarifier to the sludge holding tank). The cause of the plugging has not been

**M E M O R A N D U M**

Page 3

July 18, 1994

determined. If the plugging is due to wind-blown debris (leaves, twigs, etc.), then it may be desirable to make provisions for backflushing the pipeline.

**Schedule Status:**

No changes since last report.

**Status Of Contingency Fund:**

No changes since last report.



**WEEKLY PROGRESS REPORT**

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**ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION**

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** August 1, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLE65614.CM.PM

**Report For The Period:** July 18 through July 29, 1994

**Work Performed This Reporting Period:**

We continued to operate the groundwater treatment plant at a flow rate of about 450 gpm.

Effluent sampling (monthly testing) was conducted on July 20.

An instrumentation and control engineer and process engineer from CH2M HILL visited the site on July 23 and July 24 to review and fine tune system controls. They also performed a final inspection of punch list items that were to have been corrected by the control panel supplier during the supplier's visit at the end of June.

We are continuing to try to resolve problems with the operation of the sludge transfer pump. The pump supplier has verbally agreed to replace the pump with a superior pump if we can demonstrate that the liquid being pumped is within the specified range of viscosity and density. A sludge sample was collected last week for these analyses.

# MEMORANDUM

Page 2

August 2, 1994

## **Work Projected For Next Reporting Period:**

Effluent sampling (monthly testing) will be conducted on or about August 3.

An analysis of the rate of consumption of acid and caustic indicates that the acid and caustic metering pumps may be undersized for the influent characteristics observed since startup. The pumps were sized based on bench scale tests. We will request approval from the WAM and COTAR to purchase new chemical metering pumps. The estimated purchase price is approximately \$2,600.

A report summarizing startup sampling results should be submitted during the next reporting period assuming the complete data packages are received from ORTEK.

The facility will be shut down on August 10 for a facility tour for prospective subcontractors interested in bidding for the 2-year operation subcontract.

## **Community Relations Activities:**

A facility open house is scheduled for August 6. We will shut down the treatment plant on August 5 in preparation for the open house.

## **Change Orders/Claims:**

A change order to deduct approximately \$2,600 from the current subcontract amount was issued to Calgon (the temporary granulated activated carbon subcontract).

Change order No. 6 for RE Wright (for \$11,032.79) has been prepared and will be submitted to the EPA for approval next week.

## **Problems/Potential Problems:**

During the week of July 25 the operator failed to collect the weekly effluent samples. The operator was uncertain as to what analyses and samples bottles were required. A technician from CH2M HILL will visit the site this week to observe and assist with the monthly effluent sampling.

A chemical spill occurred on July 28. During the filling of the sulfuric acid tank the tank was overfilled and about 20 gallons of acid spilled into the containment area. The spill has been contained and will be discharged back into the treatment system.

# MEMORANDUM

Page 3

August 2, 1994

## **Schedule Status:**

We expect to extend the length of the current operation subcontract 30 days. It appears this will be necessary to maintain operations until the long term operation subcontract is in place (expected to be in mid-September).

Per earlier discussions with the WDNR and US EPA, we will extend the period of the temporary activated carbon subcontract by another month in order to review the data from the July 20 effluent sampling.

## **Status Of Contingency Fund:**

No changes since last report.

## WEEKLY PROGRESS REPORT

## ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** August 18, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLE65614.CM.PM

**Report For The Period:** July 30 through August 13, 1994

**Work Performed This Reporting Period:**

We continued to operate the groundwater treatment plant at a flow rate of about 450 gpm except for periods of scheduled and unscheduled downtime. Scheduled downtime included August 5 through August 9 for the facility open house. Unscheduled downtime included August 12 through to-date. The unscheduled downtime is due to noise from the air stripper blower. An electrical subcontractor has been scheduled to inspect the blower on August 17. The system has been shut down until the inspection is completed.

Effluent sampling (monthly testing) was conducted on August 3 and August 4.

We are continuing to try to resolve problems with the operation of the sludge transfer pump. A sludge sample was collected in July results may not be available until mid-August.

The decontamination pad was removed on August 10.

A facility tour for prospective subcontractors interested in bidding for the 2-year operation subcontract was given on August 10.

# MEMORANDUM

Page 2

August 15, 1994

The monitoring wells that were flush mounted were surveyed on August 10.

## **Work Projected For Next Reporting Period:**

A report summarizing startup sampling results should be submitted during the next reporting period assuming the complete data packages are received from ORTEK.

We will begin assessing the capture zone in greater detail once we begin pumping at full capacity.

Another round of soil gas sampling will be performed.

## **Community Relations Activities:**

Mr. Hubley expressed disappointment with the pine trees planted along his property line. Several of the trees have turned brown and appear to have died. Some trees appears to be less than the specified height of 6 feet. Mr. Hubley also believes that the trees are not white pines but are scotch pines. We believe Mr. Hubley is correct regarding the tree height, but is incorrect regarding the type of tree (i.e., we believe they are white pines). We will be working with our subcontractor to get the dead trees replaced and determine if a credit for the tree height is warranted.

## **Change Orders/Claims:**

None since last report. We are preparing the final change orders for the Groundwater Treatment and Landfill Cap subcontracts. We expect the final change orders to have a negative balance.

## **Problems/Potential Problems:**

No changes since last report.

**MEMORANDUM**

Page 3

August 15, 1994

**Schedule Status:**

No changes since last report.

**Status Of Contingency Fund:**

No changes since last report.

## WEEKLY PROGRESS REPORT

## ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** August 29, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33

**PROJECT:** GLE65614.CM.PM

**Report For The Period:** August 14 through August 28, 1994

**Work Performed This Reporting Period:**

The treatment system was taken off line from August 14 to August 17 due to concerns of the operator that the stripper fan was making a loud noise. An electrical subcontractor was called in to inspect the blower on August 17 and adjusted the alignment of the motor. The system was brought back on line that evening with the noise problem apparently resolved. The activated carbon treatment system was disconnected from the system before bringing the system back on line. The treatment system has been operated at full capacity (800 gpm) since August 18, except for a day's downtime to get the caustic tank replenished and for reductions in extraction rate during testing of the range of influence of the extraction wells.

We are continuing to try to resolve problems with the operation of the sludge transfer pump. Results of sludge testing indicate that the sludge may have a higher viscosity than originally anticipated, but we do not feel that the measured value is outside the range of what the sludge transfer pumps should be capable of handling. We are awaiting a response from the equipment supplier.

# MEMORANDUM

Page 2

August 29, 1994

Soil gas samples were collected by P. Boersma and J. Cragan during the week of August 22. The two engineers also measured the range of influent of the extraction wells by measuring drawdown levels.

A report summarizing startup sampling results was submitted on August 24.

## **Work Projected For Next Reporting Period:**

An internal draft of the soil gas testing results will be prepared.

An internal draft of the groundwater extraction well range of influence testing results will be prepared.

## **Community Relations Activities:**

We investigated further into the concerns expressed by Mr. Hubley regarding the pine trees. P. Boersma inspected the trees on August 26 and counted 5 dead trees and found that the average tree height was about 5 feet. He confirmed that the trees were white pines. We will be discussing appropriate credits for the shortness of the trees with our subcontractor as part of the final change order. The possibility of applying the credit toward additional trees is worth consideration.

## **Change Orders/Claims:**

None since last report.

## **Problems/Potential Problems:**

After we requested that the carbon vessels be demobilized from the site, Calgon informed us that their tests of the activated carbon indicate the concentrations of arsenic on the carbon are too high for them to ship the carbon back to the site in one trip. The problem relates to the regeneration of the carbon and the need to blend in the used carbon at a slow rate. Calgon has said that they do not have adequate storage space for the carbon at their facility and therefore ten or more shipments of carbon from the site may be required.



**MEMORANDUM**

Page 3

August 29, 1994

**Schedule Status:**

No changes since last report.

**Status Of Contingency Fund:**

No changes since last report.

WEEKLY PROGRESS REPORT

ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION

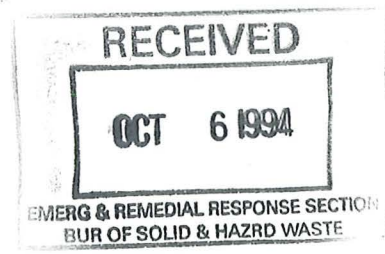
**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** October 3, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLE65614.CM.PM

**Report For The Period:** September 1 through September 30, 1994

**Work Performed This Reporting Period:**

With the exception of several days of downtime to correct stripper tower fan noise, the treatment system has been operational and treating water at a rate of about 800 gallons per minute. The unscheduled downtime to correct fan noise was apparently resolved by drilling small holes in the fan blades to allow condensed water to weep out.

We are awaiting shipment of the replacement sludge transfer pump. The original pump was returned to the supplier under the agreement that a different (model and manufacturer) pump would be provided at no additional cost.

Effluent testing was conducted weekly for ammonia, TSS, and iron. A monthly test sample was collected on September 13. Results of the tests indicate some variation in TSS and iron from week to week. We may evaluate the benefit of using polymer to further reduce the iron and TSS discharge from the clarifier.

# MEMORANDUM

Page 2

October 3, 1994

## **Work Projected For Next Reporting Period:**

A memorandum summarizing the effluent sampling results for the past week will be submitted to the WAM and the WDNR.

## **Community Relations Activities:**

We investigated further into the concerns regarding the pine trees and the potential for credits due to the apparent shortness in average tree height. The tree supplier has responded that the size was determined by tree diameter. We are still considering the appropriateness of a credit.

Although this is not part of our work scope, the WDNR plans to use the facility access road to transport sediment removed from Dodge Chute to the Sportsman's Club borrow pit during the first two weeks in October.

## **Change Orders/Claims:**

None since last report.

## **Problems/Potential Problems:**

Calgon has not demobilized their units from the site. Recent discussions between us and Calgon have focused on the need for Calgon to provide more justification for their claim that unanticipated demobilization costs. Calgon would like to demobilize the units but has said they will not demobilize the units until we agree to their claim. We have responded that demobilization should not rely on the immediate resolution of the claim.

## **Schedule Status:**

No changes since last report.

## **Status Of Contingency Fund:**

No changes since last report.

**WEEKLY PROGRESS REPORT**

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**ONALASKA MUNICIPAL LANDFILL SITE REMEDIAL ACTION**

**TO:** Kevin Adler/WAM/US EPA

**COPIES:** Bill Hubbard/GLR/MKE  
Paul Kozol/WDNR

**FROM:** Steve Keith/CH2M HILL

**DATE:** October 24, 1994

**SUBJECT:** Onalaska Municipal Landfill Weekly Update  
Onalaska Municipal Landfill Site Remedial Action  
WA 47-5RL5, Contract No. 68-W8-0040  
CH2M HILL Subcontract Nos. 31 and 33



**PROJECT:** GLE65614.CM.PM

**Report For The Period:** October 3 through October 21, 1994

**Work Performed This Reporting Period:**

The treatment system has been operational and treating groundwater at a rate of about 800 gallons per minute.

Effluent testing was conducted weekly for BTEX, ammonia, TSS, and iron. A monthly test sample was collected the week of October 10.

Results of the monthly test obtained in September indicated exceedences in the weekly limits for zinc and lead (based on the river low flow condition). Samples of influent and effluent were collected on October 19 to provide additional information. The results of these samples showed the effluent to be within the effluent limits for zinc and below detection limit for lead. A plan to continue to more closely monitor for these metals is being developed.

# MEMORANDUM

Page 2

October 24, 1994

## **Work Projected For Next Reporting Period:**

A memorandum summarizing the effluent sampling results collected between September 19 and October 21 will be submitted to the WAM and the WDNR.

We are awaiting shipment of the replacement sludge transfer pump. Once the new pump is received, it will be installed and controls checked.

## **Community Relations Activities:**

Mr. Ackerman recently complained that a truck drove outside the limits of his gravel driveway and created a rut in the adjacent lawn. The rut will be filled with topsoil and seeded.

## **Change Orders/Claims:**

None since last report. Change order number 8 will be prepared during the next reporting period. This change order will include the cost for analysis of the "first discharge" to the Black River during startup. The need for this analysis was decided per conversations between the SM, the WAM, and the WDNR.

## **Problems/Potential Problems:**

Some damage to an air injection well may have occurred during the completion of dredging activities (Black River) during the week of October 17. The SM will discuss this and the plans for repair with the WDNR.

## **Schedule Status:**

No changes since last report.

## **Status Of Contingency Fund:**

No changes since last report.