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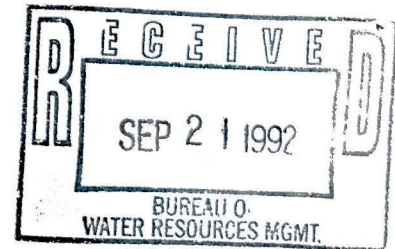
Tom Janioch - WR/2
FYI

10 September 1992

Ms. Betty Lavis
Remedial Project Manager (HSRW-6J)
U.S. Environmental Protection Agency
77 West Jackson Boulevard
Chicago, Illinois 60604

Via Certified Mail

Re: Monthly Progress Report for August 1992
Moss-American Site, Milwaukee, Wisconsin



Dear Ms. Lavis:

Roy F. Weston, Inc. (WESTON®) has prepared this monthly progress report on behalf of the Settling Defendant for the Moss-American Superfund site, Kerr-McGee Chemical Corporation (KMCC). This monthly progress report has been prepared to document progress achieved by KMCC during August.

Progress During August 1992

The following summary of progress is presented for this reporting period:

- On 7 August 1992, WESTON and KMCC transmitted a Test Plan for conducting the soil washing technology treatability evaluation, for U.S. EPA and WDNR review.
- On 13 August 1992, WESTON, KMCC, IT Corporation, U.S. EPA, WDNR, and CH2MHILL participated in a meeting to discuss U.S. EPA's 3 August 1992 review comments on the Test Plan for the Phase I Bioslurry Treatability Study. As a result of this meeting, WESTON, IT Corporation, and KMCC prepared revisions to the Test Plan to address the technical review comments. Revisions to the Test Plan were submitted for U.S. EPA review and approval on 1 September 1992.
- Also, during our 13 August meeting, background sampling locations were further discussed. As a result of these discussions, U.S. EPA indicated that the background sediment and soil sampling locations proposed by WESTON in a letter dated 5 August 1992 and 2 additional locations proposed by WDNR were acceptable. WESTON subsequently prepared a 19 August 1992 letter documenting these agreed-upon locations.



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- On 13 August 1992, WESTON received U.S. EPA - Quality Assurance Section (QAS) review comments on the second round of revisions to the (Interim) QAPP for Predesign Task 2. A conference call was conducted on 20 August with U.S. EPA, QAS, WESTON and KMCC to discuss the review comments. On 28 August 1992, WESTON and KMCC issued revisions to the QAPP for Predesign Task 2, for U.S. EPA review and approval. U.S. EPA approved the QAPP in a letter dated 1 September 1992.
- In a letter dated 20 August 1992, (received 25 August) from U.S. EPA, WESTON and KMCC received review comments on the Draft Predesign QAPP. WESTON and KMCC are preparing revisions to the QAPP in response to these review comments.
- On 25 August 1992, WESTON conducted monthly water level readings at each of the existing on-site wells and the river staff gauge. Data obtained during these readings are presented as an attachment to this progress report.
- In a letter dated 26 August 1992 from U.S. EPA, WESTON and KMCC received approval of the Predesign Work Plan revisions transmitted to U.S. EPA on 31 July 1992.
- WESTON's letter of 20 August 1992 was transmitted to U.S. EPA and WDNR and presented a near-term schedule of field activities. WESTON and KMCC understand that U.S. EPA has made notifications to the County of Milwaukee regarding these planned site activities. A copy of this schedule, including several minor date changes is presented within this progress report.

Problems Encountered/Issues to be Resolved

None to report.

Activities Anticipated During September 1992

The enclosed schedule depicts field activities anticipated during September and October 1992. In addition to these activities, KMCC and WESTON anticipate conducting the following predesign phase activities during September 1992:

- WESTON and KMCC have requested a meeting with U.S. EPA during the week of 21 September 1992. The primary purpose of this meeting will be to discuss the status of the project with Ms. Betty Lavis and her replacement



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project manager, prior to Ms. Lavis' October 1 departure.

- WESTON and KMCC will continue progress in revising the Predesign Phase QAPP. We anticipate transmittal of this QAPP to U.S. EPA and WDNR in early October.
- WESTON and KMCC anticipate receiving U.S. EPA review comments on the Test Plan for conducting a treatability evaluation of the soil washing technology.
- WESTON will transmit final copies of the approved Predesign Work Plan and QAPP for Predesign Task 2.
- WESTON and KMCC anticipate receiving U.S. EPA approval of the Test Plan for the Phase I Treatability Study of the Bioslurry Treatment Technology.

Should further clarification of this progress report be required, please contact the undersigned at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.

Gary J. Deigan
Senior Project Manager

Kurt S. Stimpson
Project Director

GJD:KSS:slr
Enclosure



Ms. Betty Lavis
U.S. EPA

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cc: Mr. Mark Krippel, Project Manager
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Ms. Betty Lavis
U.S. EPA

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Mr. Jim Schmidt (2 copies)
Department of Natural Resources
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P.O. Box 12436
Milwaukee, WI 53212

**Target Schedule - Near-Term Activities
Moss-American Site
Milwaukee, Wisconsin**

Predesign Task 2 - Background Sampling and Analysis		
Activity	Target Start Date	Target Completion Date
1. U.S. EPA Interim QAPP comments	13 August	N/A
2. Finalize background sampling locations	13 August	19 August
3. WESTON/EPA-QAS conference call	20 August	20 August
4. Submit interim QAPP revisions to U.S. EPA	N/A	26 August
5. U.S. EPA Interim QAPP approval	26 August	7 September
6. Field sampling of sediment and soils	28 September	7 October
Predesign Task 6 - Evaluate Groundwater East of LMR		
1. Conduct monthly GW level readings	25 August	25 August
2. Review access by drill rig to east side of river	25 August	25 August
3. Procure drilling/well installation subcontractor	20 August	1 September
4. Receive U.S. EPA approval of work plan for well installations	3 August	1 September
5. Mobilize to field and install wells	14 September	18 September
6. Conduct next round of GW level readings	15 September	15 September
Predesign Tasks 3 and 5 - Conduct Geophysics Subtasks Only		
1. Review site conditions for geophysics surveys	14 September	14 September
2. Conduct DC resistivity field survey in free-product zones	21 September	25 September
3. Conduct AC resistivity field survey at northeast landfill and former process areas	28 September	2 October
Predesign Task 16 - Treatability Study Evaluations		
1. Submit revised pages of Bioslurry Test Plan to U.S. EPA per 13 August meeting	28 August	N/A
2. Receive U.S. EPA approval of treatability sampling plan (Appendix E of Test Plan)	28 August	9 September
3. Mobilize to site to collect/process treatability test matrix	14 September	16 September
4. Analyze treatability samples for CPAHs	16 September	22 September
5. If necessary, conduct additional blending of test matrix and re-analyze for CPAHs	24 September	25 September
6. Ship samples to treatability contractors	1 October	2 October

Target Schedule - Near-Term Activities
Moss-American Site
Milwaukee, Wisconsin
(Continued)

Predesign Task 9 - Evaluate Alternate Alignments of LMR		
Activity	Target Start Date	Target Completion Date
1. Conduct followup field surveys of river corridor (Subtasks 4 and 5, p. 5-8 of Work Plan)	5 October	9 October
Predesign Task 10 - Study River and Floodplain Hydraulics		
1. Conduct follow-up field surveys to confirm findings to date	5 October	6 October

Moss American Groundwater Levels								
Date	07/05/88			07/19/88		11/12/91		
Well No.	Riser Elevation	Surface Elevation	Depth to Water	GW Elevation	Depth to Water	GW Elevation	Depth to Water	GW Elevation
MW-01S	742.19	742.94	8.15	734.04	8.02	734.17		
MW-01I	742.29	742.84	7.27	735.02	7.29	735.00		
MW-02S	734.52	735.00	10.35	724.17	10.30	724.22		
MW-03S	731.55	728.89	9.40	722.15	9.51	722.04		
MW-03I	730.65	728.78	8.50	722.15	8.63	722.02		
MW-04S	732.91	731.13	5.04	727.87	5.03	727.88		
MW-04I	733.10	730.88	8.80	724.30	9.09	724.01		
MW-04D	732.49	731.15	16.25	716.24	17.15	715.34		
MW-05S	724.97	723.15	6.42	718.55	6.67	718.30		
MW-06S	725.50	722.71	7.15	718.35	8.09	717.41	4.31	721.19
MW-07S	721.84	719.79	7.35	714.49	7.46	714.38	6.07	715.77
MW-07I	721.66	720.06	5.82	715.84	6.68	714.98	-	-
MW-08S	721.08	718.50	7.57	713.51	8.73	712.35	6.10	714.98
MW-08I	721.73	718.60	7.79	713.94	7.92	713.81	4.28	717.45
MW-09S	722.03	719.77	11.26	710.77	12.09	709.94	6.87	715.16
MW-09I	721.44	719.50	9.72	711.72	10.50	710.94	5.34	716.10
MW-10S	726.48	724.13	10.44	716.04	11.52	714.96	5.26	721.22
MW-11S	725.57	723.56	10.02	715.55	10.74	714.83		
MW-11I	725.80	723.49	10.52	715.28	12.42	713.38		
MW-12S	719.87	717.74	8.21	711.66	8.35	711.52	4.71	715.16
MW-13S	738.55	737.93	5.21	733.34	5.73	732.82		
MW-14S	742.97	740.97	22.48	720.49	22.63	720.34	16.36	726.61
MW-15S	750.53	749.39	DRY	DRY	DRY	DRY		
MW-20S	720.13	716.98	9.53	710.60	8.30	711.83	5.40	714.73
Staff Gage	718.55			713.44		713.50	6.15	712.40
	718.02							

Date			08/25/92	Sept. 92	Oct. 92
Well No.	Riser Elevation	Surface Elevation	Depth to Water	GW Elevation	
MW-01S	742.19	742.94			
MW-01I	742.29	742.84			
MW-02S	734.52	735.00			
MW-03S	731.55	728.89			
MW-03I	730.65	728.78			
MW-04S	732.91	731.13	4.90	728.01	
MW-04I	733.10	730.88	8.03	725.07	
MW-04D	732.49	731.15	17.08	715.41	
MW-05S	724.97	723.15	5.59	719.38	
MW-06S	725.50	722.71	6.21	719.29	
MW-07S	721.84	719.79	7.10	714.74	
MW-07I	721.66	720.06	-	-	
MW-08S	721.08	718.60	6.99	714.09	
MW-08I	721.73	718.50	6.94	714.79	
MW-09S	722.03	719.77	11.11	710.92	
MW-09I	721.44	719.50	-	-	
MW-10S	726.48	724.13	11.48	715.00	
MW-11S	725.57	723.56			
MW-11I	725.80	723.49			
MW-12S	719.87	717.74	7.76	712.11	
MW-13S	738.55	737.93			
MW-14S	742.97	740.97	22.58	720.39	
MW-15S	750.53	749.39			
MW-20S	720.13	716.98	6.77	713.36	
Staff Gage	718.55				
	718.02		4.15	713.87	