



SHIELDALLOY METALLURGICAL CORPORATION

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August 9, 1996

Olen Ackman
Ohio Environmental Protection Agency
Division of Emergency and Remedial Response
Southeast District Office
2195 Front Street
Logan, Ohio 43138

Subject: Shieldalloy Metallurgical Corporation, Cambridge, Ohio
Remedial Investigation/Feasibility Study
Monthly Progress Report No. 13
PTI No. CA38-11-01

Dear Olen:

Attached please find Monthly Progress Report No. 13 for the period July 1996 for the Shieldalloy Metallurgical Corporation site RI/FS. Please call me at (609) 692-4200 if you have any questions or comments concerning this report.

Cordially,

James P. Valenti
Environmental Manager

Attachment

cc: Peter Whitehouse, OEPA
James Kennedy, USNRC

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PDR ADOCK 04008948
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REC'D: NMSS/DWM

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**SHIELDALLOY METALLURGICAL CORPORATION
CAMBRIDGE, OHIO
CONSENT ORDER FOR PRELIMINARY
INJUNCTION - JULY 11, 1995
PROGRESS REPORT NO. 13 - JULY 1996**

This progress report is being submitted to the Ohio Environmental Protection Agency (OEPA) in accordance with Section XII, paragraph 31 of the consent order for preliminary injunction (COPI) between OEPA, Shieldalloy Metallurgical Corporation (SMC), and Cyprus Foote Mineral Company. The COPI was filed in the Court of Common Pleas in Guernsey County, Ohio on July 11, 1995.

A. SITE AND ACTIVITY

This progress report is for the remedial investigation/feasibility study (RI/FS) for the SMC site in Cambridge, Ohio.

B. WORK STATUS

Progress Made During the Reporting Period

The following activities were completed during the reporting period:

- Prepared the monthly progress report for June 1995;
- Continued teleconference discussions with OEPA and U.S. Nuclear Regulatory Commission (NRC);
- Prepared project overview of the remedial investigation/feasibility study for the SMC site;
- Prepared revised executive summary for the remedial investigation report for the SMC site;
- Prepared revised executive summary for the feasibility study report for the SMC site;
- Forwarded radiological data packages to Dr. Tom Rucker of SAIC;

- Prepared risk calculation model for mallard ducks;
- Prepared revised conclusions of the Phase II ecological risk assessment incorporating input submitted by OEPA on June 19;
- Compiled results of the amphibian survey conducted by OEPA on June 13 and 14;
- Continued compilation of technical comments on the OEPA Chapman Run report;
- Conducted data validation of the groundwater data collected for the maintenance shop investigation;
- Conducted technical review of and prepared written response to the NRD claim;
- Continued preparation of Final RI/FS report.

Schedule/Percent Complete

It is estimated that at the end of the reporting period, approximately 98% of the planned work had been performed.

Deliverables Submitted

The following deliverables were submitted to OEPA during the reporting period:

- July 2, *Radiological Data Packages*
- July 10, *SMC RI/FS Monthly Progress Report No. 12 - June 1996*
- July 11, *Revised Conclusions of the Phase II Ecological Risk Assessment*
- July 17, *Revised Executive Summary for the Remedial Investigation Report*
- July 17, *Revised Executive Summary for the Feasibility Study Report*
- July 25, *Project Overview of the Remedial Investigation/Feasibility Study*

Data Generated

During the reporting period, data was received from the maintenance shop investigation. Preliminary draft data was provided to the agency as it became available. In addition, SMC radiological data packages were copied and transmitted to the Nuclear Regulatory Commission, the Ohio Department of Health, and the Ohio Attorney General's contractor, SAIC on July 2.

C. DIFFICULTIES ENCOUNTERED DURING THE REPORTING PERIOD

The following issues were raised during the reporting period:

- The schedule for completing the Final RI/FS has been delayed to allow adequate time for response to agency comments and for agency review of all interim deliverables.

D. ACTIVITIES PLANNED FOR THE NEXT REPORTING PERIOD

The following activities are anticipated for the next reporting period (August 1996):

- Continue teleconference discussions (ongoing);
- Continue to respond to requests for information (ongoing);
- Submit July 1996 progress report (due August 10);
- Continue implementation of maintenance shop work plan; and
- Continue preparation of Final RI/FS report

E. KEY PERSONNEL CHANGES

No personnel changes occurred during the reporting period.

F. TARGET COMPLETION DATES

Updated target completion dates are presented on the attached deliverable schedule.

G. EXPLANATION OF DEVIATIONS FROM SCHEDULES

The schedule for completing the Final RI/FS has been delayed to allow adequate time for response to agency comments and for agency review of all interim deliverables.

August-9, 1996

Revised Schedule for SMC Deliverables

Deliverable	Client			Agency			Agency Comments Expected
	Date	Via	Completed	Date	Via	Completed	Date ^a
Response to groundwater comments	10/23	Fax	Yes	10/25	Fed Ex	Yes	
RI Sections 1-5; red line/strikeout	10/20	Fed Ex	Yes	10/27	Fed Ex	Yes	12/6/95 (received 12/29)
Draft Phase II ecorisk, supplement to RI/FS	11/3	Fed Ex	Yes	11/17	Fed Ex	Yes	1/10/96 (received 1/30/96) (47 days)
RI Section 7; red line / strikeout for consistency with Phase II	11/15	Fed Ex	Yes	11/17	Fed Ex	Yes	1/10/96 (received 1/30/96) (47 days)
RI groundwater sections; red line/strikeout. Aquifer test results (draft appendix)	12/4	Fed Ex	Yes	12/8	Fed Ex	Yes	1/10/96 (received 1/24/96) (30 days)
RI Section 6; red line/strikeout	12/1	Fed Ex	Yes	12/7	Fed Ex	Yes	1/10/96 received 2/9/96 (43 days)
Response to comments on Sections 1-5	1/15	Fed Ex	Yes	1/19	Fed Ex	Yes	2/5/96 (10 days)
Response to comments on revisions to groundwater sections	2/8	Fed Ex	Yes	2/9	Fed Ex	Yes	2/26/96 (10 days)
Response to comments on Phase II ecorisk	2/12	Fed Ex	Yes	2/13	Fed Ex	Yes	2/29/96 (10 days) (verbal)
Revised (red line/strikeout) response to comments on Phase II ecorisk	2/16	Fed Ex	Yes	2/20	Fed Ex	Yes	2/22/96 (2 days) (verbal)
Preliminary response to comments on Section 6 revisions	2/16	Fax	Yes	2/20	Fed Ex	Yes	2/26/96 (4 days) (verbal)
Initial radiological data packages	NA	NA	NA	3/11	Fed Ex	Yes	
Additional radiological data	NA	NA	NA	3/20	Fax	Yes	
Four-point summary of SAIC radiological data revalidation	NA	NA	NA	NA	NA	NA	5/24/96
ODH letter on results of SAIC radiological data revalidation	NA	NA	NA	NA	NA	NA	6/6/96
Revised radiological data tables	NA	NA	NA	5/30	Fed Ex	Yes	b

Revised Schedule for SMC Deliverables

Deliverable	Client			Agency			Agency Comments Expected
	Date	Via	Completed	Date	Via	Completed	Date ^a
FS; red line/strikeout	2/21	Fed Ex	Yes	2/26	Fed Ex	Yes	3/11/96 (received 3/21/96) (19 days)
Response to comments on Section 6 revisions	4/12	Fed Ex	Yes	4/17	Fed Ex	Yes	(received)
Phase II ecorisk; red line/strikeout	4/10	Fed Ex	Yes	4/18	Fed Ex	Yes	(received)
Response to comments on FS red line/strikeout	4/5	Fed Ex	Yes	4/9 & 4/23	Fed Ex	Yes	(received)
RI Section 7; red line / strikeout in response to comments	4/10	Fed Ex	Yes	4/18	Fed Ex	Yes	(received)
FS Chapters 2, 4, and 6 and Appendices G and H	6/4	Fax	Yes	6/5	Fax	Yes	(received)
	6/5	Fax		6/11	Fed Ex		
Deviations to the maintenance shop work plan	6/20	Fax	Yes	6/26	Fed Ex	Yes	7/8
Response to comments on data validation	6/21; 6/25	Fed Ex	Yes	6/26	Fed Ex	Yes	b
Radiological data packages	NA	NA	NA	7/2	Fed Ex	Yes	NA
Phase II ecorisk conclusions; red line / strikeout	6/27	Fed Ex	Yes	7/11	Fed Ex	Yes	b
Analysis of amphibian survey results	7/3	Fax	Yes	7/9	Fed Ex	Yes	b
RI/FS executive summaries; red line / strikeout	7/10	Fed Ex	Yes	7/17	Fed Ex	Yes	b
Project overview	7/23	Fax	Yes	7/25	Fed Ex	Yes	b
Final RI/FS	c			b	Fed Ex		
OEPA issues Preferred Plan	Schedule to be determined by agency.						

NA - Not applicable

^a Agency review time (in business days) noted in parentheses.

^b To be determined by agency.

^c No client review draft. Assumes all changes addressed in red-line/strikeout versions.