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March 16, 1995

Mr. Ronald A. Bertram
Environmental Scientist
United States Environmental Protection Agency
Region VIII - Montana Office
301 South Park
P.O. Drawer 10096
Helena, MT 59626-0096

RE: Response Action Fieldwork Completion Report
Mouat Industries NPL Site; Columbus, Montana (Site No. 65)
Unilateral Administrative Order - Docket No. CERCLA-VIII-92-05

Dear Mr. Bertram:

This letter is the fieldwork completion report for the response action at the Mouat Industries NPL Site in Columbus, Montana (Site No. 65) under the Unilateral Administrative Order (UAO) issued by the U.S. Environmental Protection Agency (EPA) on November 12, 1992. A summary of the fieldwork and related activities completed by FMC Corporation (FMC) and its contractors is presented in this letter. The current physical condition of the site is briefly described. This letter also includes all of the information related to close-out report preparation requested in your letter to Mr. William G. Cutler dated January 20, 1995.

The fieldwork and related activities to be completed under the UAO were specified in the Statement of Work (SOW) attached to the UAO. With the single exception noted below, the specified work items have been completed. (The single exception - establishment of vegetation - will be undertaken at the start of the 1995 growing season.) The completed work items, referenced to the SOW, are recorded in Table 1 attached to this letter.

The fieldwork completed in 1992 and 1993 is summarized as follows:

- Pilot scale treatment process development using representative samples of site soils and conducted according to an EPA approved work plan.

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- Site characterization, conducted in accordance with an approved work plan, to delineate the extent of chromium-containing soils to be excavated.
- Design, procurement, and construction of a full-scale treatment facility.
- Full-scale tests of the treatment process to refine the treatment process and the facility design and modification of the treatment facility based on the results of these full-scale tests.
- Excavation and treatment of approximately 14,000 cubic yards of chromium-containing soil in accordance with the EPA-approved Response Action Work Plan.

Excavation of site soil was conducted to a clean-up performance standard of 0.5 milligrams per liter (mg/l) of total chromium in the extract obtained by the Toxicity Characteristic Leaching Procedure (TCLP chromium) for soils inside the EPA fence and 0.1 mg/l TCLP chromium for soils outside the EPA fence. The limits of excavation are shown on Figure 1, attached; the analytical results for the confirmatory soil samples are presented in Table 2, attached. As the soil was excavated, it was treated to physically and chemically immobilize the chromium. The treatment operations and the related confirmatory sampling and analysis programs were conducted in accordance with the approved work plan. The treatment performance standard of 0.5 mg/l TCLP chromium for the treated, cured material was achieved as confirmed by the sample analytical results for the treated material presented in Table 3, attached.

In response to changing project conditions, the soils excavated in 1994, for which the TCLP chromium exceeded the clean-up standard, were removed from the site by rail for disposal at appropriately permitted off site disposal facilities. Soil that was tested as hazardous (TCLP chromium greater than 5.0 mg/l) was sent to the USPCI hazardous waste treatment and disposal facility at Grassy Mountain, Utah; soil that was tested as non-hazardous (TCLP chromium less than 5.0 mg/l) was sent to the East Carbon Development Corporation nonhazardous waste disposal facility at East Carbon, Utah. A total of approximately 19,000 cubic yards of soil were excavated and transported off-site. This work was done in accordance with an EPA-approved Addendum to the Response Action Work Plan (Addendum) and to the soil clean-up performance standard of 0.5 mg/l TCLP chromium. The limits of excavation are shown on Figure 1, attached. The limits of excavation are shown on Figure 2, attached; analytical results for some test pits made to provide confirmation of the southern limits of the excavation are presented in Table 4, attached.

As the excavation was completed, the blocks of treated material made in 1993 were placed in the excavation inside the EPA fence perimeter as backfill. Excavated soils for which the TCLP chromium analytical results were less than the clean-up performance standard also were placed within the

excavation with the blocks. (The excavations outside the EPA fence and on a portion of the Timberweld Manufacturing property were backfilled with clean pit-run gravel.) Some blocks and soils were placed in additional excavations made outside the area of soil contamination. The soil excavated from outside the area of contamination was used for cover material on-site. This additional excavation was done so that the block placement would be accomplished within the elevations for the final site surface specified in the Addendum. The block and soil placement areas are shown on Figure 2, attached; the analytical results for the confirmatory samples for the excavated site soils placed back in the excavation are presented in Table 5, attached.

As block placement and backfill were completed, the site cover was placed. The western portion of the site, the portion of the site owned or leased by Timberweld Manufacturing, was surfaced with gravel from off-site so that the area could be used for parking and material storage. The balance of the site was covered with two feet of clean soil. Analytical results for samples of the cover materials are presented in Table 6, attached. The final site contours are shown on Figure 3, attached.

At the completion of the work, the treatment facility, including all mobile equipment, asphalt, and day bin areas, was thoroughly decontaminated. The treatment and support facilities were removed and the site was demobilized. The site perimeter fence was relocated to enclose those parts of the block placement areas covered with soils. The water treatment building, the tank containments, the loading ramps south of Clough Avenue, and the underground utilities were left in place for use by the Town of Columbus. The current condition of the treatment and support areas is shown on Figure 4, attached.

Soil cover placement was completed at the end of the 1994 construction season. Establishment of the vegetation on the soil cover will be conducted at the start of the 1995 growing season. Arrangements to establish the vegetation are being made with a local contractor. This is the only remaining item of fieldwork specified in the UAO that has not been completed.

Since the completion of the response action, institutional controls over land and ground water use are being established by creating a Superfund Overlay District within the Town of Columbus zoning ordinance. The land use restrictions apply only to the block placement areas and surrounding buffer areas; the ground water use restrictions apply to the entire Superfund Overlay District. The areas subject to these restrictions are shown on Figure 5, attached.

We trust that this information is clear and complete and is fully responsive to close-out reporting requirements. If you have any questions, please contact either of the undersigned. Thank you.

Very truly yours,

FMC CORPORATION

William G. Cutler (EHR)

William G. Cutler
Environmental Remediation Engineer

Robert A Aal (EHR)

Robert A. Aal
Senior Project Manager

WGC:EHR:dac

Attachments

cc: Joe Hucke-Timberweld
Richard Pedersen-Montana Dept. of Health and Environmental Science
Doug Howard, Esq.-City of Columbus, MT
John Ross, Esq.-Mouat Industries
Berril Gold-BuRec

Table 1
Summary of Response Actions Completed for Each Requirement of the Unilateral Administrative Order
Response action requirements specified in Section I.2 and III of the Statement of Work (SOW) attached to the U.S. Environmental Protection Agency Unilateral Administrative Order issued November 12,1991.

Section No.	Description of SOW Requirement	Summary of Response Action Implementation
I.2 Phase I	Pilot scale tests	Completed between January and May, 1992 in two rounds of bench-scale tests
	Design full-scale process	Completed between April and September, 1992 with process and facility design
	Full-scale demonstration	Completed between November, 1992 and March, 1993 after the treatment facility construction that was completed between June and November, 1992
I.2 Phase II	Excavation and treatment	Conducted between June and October, 1993 (excavation and treatment) after treatment facility modification which was completed between March and April, 1993. Completed between July and October, 1994 (excavation and off-site disposal)
	Confirmatory testing	Conducted between June and October, 1993 for both excavation and treatment and completed between July and November, 1994 for excavation and off-site disposal
	Backfill	Completed between September and November, 1994, using clean gravel for the excavated areas outside the EPA fence and on Timberweld's property and using treated material and site soils for the balance of the site, with off-site borrow material (gravel and soil) used for site cover

Section No.	Description of SOW Requirement	Summary of Response Action Implementation
	Disposal of untreated material	Completed between July and November, 1994, at appropriate disposal sites
III.1	Pilot Scale Work Plan (with QASP/QAPP and HASP)	Pilot Scale Work Plan, dated December, 1991
	Full-Scale Work Plan (with project management plan, site management plan, data management and validation plan, and document control plan)	Response Action Work Plan, dated August, 1992; revision after the full-scale tests, dated November, 1993
		Addendum to the Response Action Work Plan, dated June 17, 1994
III.1.4	Reporting	Weekly reports submitted as specified since December, 19, 1991
		Monthly coordination meetings/telephone conferences conducted as specified since December, 1991
III.2	Site Characterization	Conducted between April and June, 1992 after EPA approval of an activity specific work plan
III.2.2	Treatability Study Data Evaluation	Completed during and after each of the two rounds of pilot scale testing and the full-scale testing
III.2.3	Scaling up to full-scale operations	Completed between April, 1992 and June, 1993 with treatment facility design, treatment facility construction, and full-scale testing
III.2.4	Full-scale operations plan	Response Action Work Plan for excavation and treatment (with QASP/QAPP and HASP), dated November 2, 1993
Section No.	Description of SOW Requirement	Summary of Response Action Implementation

		Addendum to the Response Action Work Plan for excavation and off-site disposal (with QASP/QAPP and HASP), dated June 17, 1994
III.3	Quality control and quality assurance	Specified activities conducted and documented according to approved plans throughout the response action

Table 2
Summary of Analytical Results for Confirmatory Grid Samples

Sample Identification	Sample Date	Sampler	Laboratory Identification Number	TCLP Chromium (mg/l)	Data Qualifiers	COMMENTS (Sample Location, Depth to Sample, etc.)
MS-S-B.6-V-N-3	09/04/94	Wilks	94-41603	< 0.01		
MS-S-B.6-V-W-2	09/04/94	Wilks	94-41600	< 0.01		
MS-S-B.7-V-N-2	09/02/94	Davison, Kump	94-41561	< 0.01		
MS-S-B.8-V-E-1	09/02/94	Davison, Kump	94-41566	0.1		
MS-S-B.8-V-N-2	09/04/94	Wilks, Herrick	94-41604	< 0.01		
MS-S-B.8-V-S-1	09/02/94	Davison, Kump	94-41567	0.05		
MS-S-C.6-1	08/31/94	Bruggman, Kump	94-41028	0.01		(10')
MS-S-C.6-V-W-1	08/31/94	Bruggman, Kump	94-41031	0.01		
MS-S-C.7-1	08/31/94	Bruggman, Kump	94-41029	0.02		4'
MS-S-C.8-1	09/07/94	Walter, Bruggman	94-43893	0.02		4'
MS-S-C.8-V-E-1	09/15/94	Bruggman, Walter	94-46112	0.04		
MS-S-D.10-V-N-1	09/17/94	Wilks,Wieringa,Kump	94-46221	0.05		
MS-S-D.11-V-N-1	09/17/94	Wilks,Wieringa,Kump	94-46220	0.01		
MS-S-D.12-1	09/15/94	Bruggman, Walter	94-46110	0.04		2'
MS-S-D.13-1	09/15/94	Bruggman, Walter	94-46111	0.07		2'
MS-S-D.14-1	09/16/94	Wilks,Herman,Kump	94-46207	0.07		2'
MS-S-D.15-1	09/16/94	Wilks,Herman,Kump	94-46211	0.14		2'
MS-S-D.16-1	09/17/94	Wilks,Wieringa,Kump	94-46218	0.06		2'
MS-S-D.17-1	09/17/94	Wilks,Wieringa,Kump	94-46228	0.1		2'
MS-S-D.18-1	09/18/94	Wilks,Wieringa,Kump	94-46236	0.02		2'
MS-S-D.19-1	09/18/94	Wilks,Wieringa,Kump	94-46232	0.04		2'
MS-S-D.20-1	09/20/94	Bruggman	94-46458	0.05		2'
MS-S-D.5-V-N-2	07/22/94	Herman, Wilks	94-33102	0.01		C.5
MS-S-D.5-V-W-3	07/25/94	Davison, Bruggman	94-33268	0.01		
MS-S-D.9-V-N-1	09/08/94	Bruggman	94-44072	< 0.01		
MS-S-E.11-V-E-2	09/12/94	Bruggman	94-44416	0.02		
MS-S-E.12-2	09/14/94	Bruggman, Walter	94-45936	0.15		6'
MS-S-E.12-V-N-1	09/11/94	Kump, Herman	94-44254	0.41		
MS-S-E.13-V-N-1	09/13/94	Bruggman, Walter	94-44659	0.29		
MS-S-E.14-3	09/17/94	Wilks,Wieringa,Kump	94-46217	0.2		8'
MS-S-E.14-V-N-1	09/13/94	Bruggman, Walter	94-44666	0.38		
MS-S-E.15-3	09/17/94	Wilks,Wieringa,Kump	94-46222	0.22		8'
MS-S-E.15-V-N-2	09/19/94	Bruggman	94-46371	0.38		Should be MS-S-E.15-V-N-3
MS-S-E.16-1	09/17/94	Wilks,Wieringa,Kump	94-46227	0.13		2'
MS-S-E.17-1	09/17/94	Wilks,Wieringa,Kump	94-46226	0.38		2'
MS-S-E.18-1	09/18/94	Wilks,Wieringa,Kump	94-46235	< 0.01		2'
MS-S-E.19-1	09/18/94	Wilks,Wieringa,Kump	94-46233	0.02		2'
MS-S-E.20-1	09/20/94	Bruggman	94-46457	0.1		2'
MS-S-E.5-V-W-2	07/25/94	Davison, Bruggman	94-33266	0.02	U	
MS-S-E.7-1	07/27/94	Davison, Bruggman	94-33810	0.01		7'
MS-S-F.10-3 (H)	08/30/94	Bruggman	94-40880	0.26		8'
MS-S-F.14-1	09/01/94	Bruggman, Kump	94-41447	< 0.01		F.16; 7'
MS-S-F.15-1	09/02/94	Davison, Kump	94-41563	0.01	U	F.17; 6'
MS-S-F.16-1	09/02/94	Davison, Kump	94-41564	0.14		F.18; 6'
MS-S-F.21-1	07/30/93	Kump, Risher	93-33572	< 0.01		G.20; 10-13'
MS-S-F.21-V-3	07/20/93	McDonald	93-31343	0.06		North wall of G.20
MS-S-F.22-1	07/29/93	McDonald, Kump	93-32425	0.05		G.21; 10-13'
MS-S-F.22-V-2	07/29/93	McDonald, Kump	93-32426	0.04		East wall of G.21, Reported as F.22-V-1
MS-S-F.22-V-N-1	07/30/93	Kump, McDonald	93-33613	0.07		North wall of G.21
MS-S-F.5-V-W-4	08/09/94	Bruggman	94-37434	< 0.01		
MS-S-G.10-1	08/23/94	Bruggman, Davison	94-39990	0.01		6'
MS-S-G.16-3	09/06/94	Herrick	94-43719	0.5		8'; G.18
MS-S-G.19-V-2	07/25/93	Stoddard, Walter, Br	93-31701	0.33		West Wall of H.18
MS-S-G.20-2	07/20/93	McDonald	93-31337	0.02		G.19; 7'
MS-S-G.20-V-2	07/20/93	McDonald	93-31341	0.04		North Wall of G.19
MS-S-G.21-3	07/30/93	Kump, McDonald	93-33570	0.01		H.20; 10-13'
MS-S-G.22-3	07/31/93	MCDonald, Rober, Ris	93-33624	0.07		H.21; 10-13'
MS-S-G.22-V-E-2	07/28/93	Kump	93-32260	0.02		East Wall of H.21
MS-S-G.22-V-S-1	07/30/93	Kump, McDonald	93-33612	0.04		South Wall of H.21
MS-S-G.3-V-N-2	08/09/94	Bruggman	94-37433	< 0.01		
MS-S-G.3-V-W-1	08/09/94	Bruggman	94-37435	< 0.01		
MS-S-G.4-V-NW-1	08/10/94	Bruggman, Davison	94-38549	< 0.01		
MS-S-G.6	08/19/94	Herman	94-39740	0.09		8'
MS-S-G.7	08/19/94	Herman	94-39741	0.05		8'
MS-S-H.16-2	08/04/93	Stodd,Sjong,Walt,MCD	93-34441	0.13		I.15; 8'
MS-S-H.17-V-S-1	08/10/93	Stoddard,Herrick,Wal	93-34733	0.17		I.16 South Wall
MS-S-H.19-V-W-2	09/28/94	Bruggman, Walter	94-47466	< 0.01		
MS-S-H.2-1	07/20/94	Brost,Herrick,David	94-32851	0.01	U	7'

Table 2
Summary of Analytical Results for Confirmatory Grid Samples

Sample Identification	Sample Date	Sampler	Laboratory Identification Number	TCLP Chromium (mg/l)	Data Qualifiers	COMMENTS (Sample Location, Depth to Sample, etc.)
MS-S-H.2-V-N-3	08/03/94	Davison, Bruggman	94-34796	< 0.01		
MS-S-H.2-V-W-1	07/19/94	Brost,Herrick,David	94-32752	< 0.01		
MS-S-H.20-2	07/20/93	McDonald	93-31335	0.02		H.19; 7'
MS-S-H.21-1	07/30/93	Kump, McDonald	93-33571	0.01		I.20; 8'
MS-S-H.21-V-2	07/20/93	McDonald	93-31339	0.05		I.20 Southeast Wall
MS-S-H.22-V-1	07/22/93	MCDonald	93-31547	0.06		I.21 East Wall
MS-S-I.13-V-S-1	10/22/93	Walter,Bruggman	93-51544	0.45		
MS-S-I.14-2	07/19/93	Walter,Whitmer	93-31101	0.21		J.13; 4'
MS-S-I.14-V-S-1	10/22/93	Walter,Bruggman	93-51545	0.15		
MS-S-I.15-2	07/19/93	Stoddard,Walter,Bros	93-31100	0.17		J.14; 4'
MS-S-I.16-1	07/19/93	Kump,McDon,Sjong	93-33614	0.12		J.15; 4'
MS-S-I.16-2	10/06/93	Walter,Whitmer	93-47225	0.09		7-9'; (dug to 3562')
MS-S-I.16-V-1	07/19/93	Kump,Mcdon,Sjong	93-33616	0.41		J.15 South Wall
MS-S-I.16-V-2	07/19/93	Kump, McDon, Sjong	93-33615	0.21		J.15 East Wall
MS-S-I.16-V-E-1	10/06/93	Walter,Whitmer	93-47226	0.14		
MS-S-I.19-V-W-3	10/03/94	Emanuel	94-47935	0.48		
MS-S-I.2-V-W-2	07/19/94	Brost,Herrick,David	94-32756	< 0.01		
MS-S-J.1-1	07/21/94	Wilks,Herman,Brost	94-32983	< 0.01		7'; (3566')
MS-S-J.1-V-N-1	07/21/94	Wilks,Herman,Brost	94-32984	< 0.01		
MS-S-J.1-V-SW-1	07/21/94	Wilks,Herman,Brost	94-32985	0.03	U	
MS-S-J.12-2	08/12/93	Walter	93-37320	0.08		K.11; 3'
MS-S-J.12-V-S-1	08/12/93	Walter	93-37319	0.05		K.11 South Wall
MS-S-J.13-2	08/13/93	Stoddard,Evans,Walte	93-37321	0.02		K.12; 3'
MS-S-J.13-V-S-1	08/12/93	Walter	93-37324	0.02		K.12 South Wall
MS-S-J.14-2	07/29/93	McDonald, Kump	93-32398	0.09		K.13; 5'
MS-S-J.14-V-S	07/29/93	McDonald, Kump	93-32400	0.04		K.13 South Wall
MS-S-J.15-2	07/29/93	McDonald, Kump	93-32397	0.29		K.14; 5'
MS-S-J.15-V-2	07/30/93	Kump, McDonald	93-33568	0.39		K.14 South Wall
MS-S-J.19-V-W-2	10/02/94	Emanuel	94-47851	0.16		
MS-S-K.10-V-S-1	08/20/93	Stoddard	93-38039	0.01		
MS-S-K.11-V-S-1	08/28/93	Walter	93-38949	0.2		
MS-S-K.2-1	07/16/94	Herman, Wilks	94-31478	0.08		6'
MS-S-K.2-V-SW-2	08/03/94	Davison, Bruggman	94-34794	0.04		
MS-S-K.3-V-S-1	07/16/94	Herman, Wilks	94-31474	0.02	U	
MS-S-K.5-V-S-1	09/27/93	Kostelecky,Walter	93-44804	0.02		
MS-S-K.6-V-S-1	09/27/93	Kostelecky,Walter	93-44805	0.11		
MS-S-K.9-V-E-1	08/26/93	Walter	93-38783	0.03		2nd (0.02), 3rd (0.07), (L.8 SE wall)
MS-S-L.10-1	07/05/94	Herrick, Brost	94-30126	0.03		3'
MS-S-L.10-V-S-1	07/05/94	Herrick, Brost	94-30127	0.02		
MS-S-L.11-1	07/08/94	Herman,Wilks,Brost	94-30791	0.18		3'
MS-S-L.11-V-S-1	07/08/94	Herman,Wilks,Brost	94-30794	0.11		
MS-S-L.12-1	07/08/94	Herman,Wilks,Brost	94-30792	0.09		3'
MS-S-L.12-V-S-1	07/08/94	Herman,Wilks,Brost	94-30793	0.09		
MS-S-L.8-V-S-1	07/01/94	Wilks, Herrick	94-30124	0.13		
MS-S-L.9-V-S-1	07/01/94	Wilks, Herrick	94-30125	0.01		
MS-S-MT-1	09/18/94	Wilks,Wieringa,Kump	94-46237	0.03		Under Mud Tank; Grade

1) TCLP - Toxicity Characteristic Leaching Procedure
2) mg/l - milligram per liter
3) U - Denotes a value ruled nondetect by validator

Table 3
Summary of Analytical Results for Treated Material Samples

Sample Identification	Sample Date	Sampler	TCLP Chromium (mg/l)	Data Qualifiers	Comments
MS-TS-06/28/93-28	07/25/93	Stoddard, Peg,Walter	0.02		
MS-TS-121-CN1	07/27/93	Bruggman	0.09		
MS-TS-127-BN1	07/27/93	Bruggman	0.04		
MS-TS-101-CE3	07/27/93	Bruggman	0.12		
MS-TS-102-CN3	07/27/93	Bruggman	0.05		
MS-TS-112-CE1	07/27/93	Brost, Whitmer, Walt	0.1		
MS-TS-167-BEI	07/27/93	Brost, Whitmer, Wal	0.01		
MS-TS-144-CE3	07/27/93	Bruggman	< 0.01		
MS-TS-140-CE3	07/27/93	Brost, Whitmer, Wal	0.06		
MS-TS-143-CE3	07/27/93	Bruggman	0.02		
MS-TS-100-CE1	07/27/93	Bruggman	0.06		
MS-TS-150-BE1	07/27/93	Bruggman	0.01		
MS-TS-84-BE3	07/27/93	Bruggman	0.04		
MS-TS-06/29/93-28	07/27/93	Brost,Whitmer,Wal,Br	0.02		
MS-TS-160-CE1	07/27/93	Bruggman	0.18		
MS-TS-67-CN3	07/27/93	Bruggman	0.03		
MS-TS-99-CN1	07/27/93	Bruggman	0.06		
MS-TS-166	07/28/93	Stoddard, McDonald	0.34		
MS-TS-51	07/28/93	McDon,Sjong,Stoddard	< 0.01		
MS-TS-47	07/28/93	McDon,Sjong,Stoddard	0.07		
MS-TS-57	07/28/93	McDon,Sjong,Stoddard	< 0.01		
MS-TS-63	07/28/93	Stoddard,Sjong,MCDon	0.17		
MS-TS-53	07/28/93	McDon,Sjong,Stoddard	< 0.01		
MS-TS-45	07/28/93	Stoddard,Sjong,MCDon	0.11		
MS-TS-55	07/28/93	Stoddard,McDon,Sjong	< 0.01		
MS-TS-75	07/28/93	Stoddard, McDonald	0.02		
MS-TS-111	07/28/93	Stoddard, McDonald	< 0.01		
MS-TS-133	07/28/93	Stoddard, McDonald	0.01		
MS-TS-151	07/28/93	Stoddard, McDonald	0.17		
MS-TS-155	07/28/93	Stoddard, McDonald	0.1		
MS-TS-138	07/28/93	Stoddard, McDonald	< 0.01		
MS-TS-201	07/28/93	McDon,Sjong,Stoddard	0.42		
MS-TS-191	07/28/93	Stoddard, McDonald	0.26		
MS-TS-81	07/28/93	Stoddard, McDonald	0.11		
MS-TS-145	07/28/93	McDon,Sjong,Stoddard	0.21		
MS-TS-06/30/93-28	07/28/93	MCDonald	0.01		Split with EPA
MS-TS-07/01/93-28	07/29/93	McDonald, Sjong	0.01		
MS-TS-61	07/30/93	MCDon, Kump, Sjong	< 0.01		
MS-TS-162	07/30/93	MCDon, Kump, Sjong	0.15		
MS-TS-153	07/30/93	MCDon, Kump, Sjong	0.13		
MS-TS-171	07/30/93	McDon, Kump, Sjong	0.33		
MS-TS-132	07/30/93	MCDon, Kump, Sjong	0.01		
MS-TS-163	07/30/93	MCDon, Kump, Sjong	0.24		
MS-TS-107	07/30/93	McDon. Kump, Sjong.	< 0.01		
MS-TS-173	07/30/93	McDon, Kump, Sjong	0.35		
MS-TS-195	07/30/93	MCDon, Kump, Sjong	0.05		
MS-TS-117	07/30/93	MCDon, Kump, Sjong	0.01		
MS-TS-85	07/30/93	MCDon, Kump, Sjong	< 0.01		
MS-TS-52	07/30/93	MCDon, Kump, Sjong	0.25		
MS-TS-07/02/93-28	07/30/93	MCDon, Kump, Sjong	0.01		
MS-TS-95	07/30/93	MCDon, Kump, Sjong	0.04		
MS-TS-07/06/93-28	08/04/93	Stoddard,Bruggman	0.02		
MS-TS-07/07/93-28	08/04/93	Stoddard, Brugman	0.04		
MS-TS-07/08/93-28	08/05/93	Stodd,Sjong,Walt,McD	0.04		
MS-TS-44	08/06/93	Sjong, MCDonald	0.02		
MS-TS-42-A	08/06/93	Sjong, MCDonald	0.3		
MS-TS-54	08/06/93	Sjong, MCDonald	0.22		
MS-TS-07/09/93-28	08/06/93	Sjong, Mcdonald	0.06		
MS-TS-70	08/06/93	Sjong, MCDonald	0.08		
MS-TS-42-B	08/06/93	Sjong, MCDonald	0.34		
MS-TS-07/10/93-28	08/07/93	MCDonald, Sjong	0.08		
MS-TS-07/11/93-28	08/08/93	McDonald, Sjong	0.08		
MS-TS-07/12/93-28	08/09/93	Braggman	0.03		
MS-TS-07/13/93-28	08/10/93	Stoddard,Herrick,Wal	0.04		
MS-TS-07/14/93-28	08/11/93	Stoddard	0.05		
MS-TS-40	08/12/93	Bruggman,Walter	< 0.01		
MS-TS-105	08/12/93	Bruggman,Walter	0.24		
MS-TS-07/15/93-28	08/12/93	Stoddard	0.05		

Table 3
Summary of Analytical Results for Treated Material Samples

Sample Identification	Sample Date	Sampler	TCLP Chromium (mg/l)	Data Qualifiers	Comments
MS-TS-07/16/93-28	08/13/93	Kump,MCDon,Sjong	0.06		
MS-TS-07/17/93-28	08/14/93	Kump,MCDon,Sjong	0.06		
MS-TS-07/18/93-28	08/15/93	Sjong,MCDonald	0.06		
MS-TS-07/19/93-28	08/16/93	Gaustad,MCDonald	0.06		
MS-TS-01831	08/16/93	Walter	< 0.01		
MS-TS-07/20/93-28	08/17/93	Walter	0.04		
MS-TS-07/21/93-28	08/18/93	Stoddard,Walter,Brug	0.05		Split with EPA
Block 4308	08/18/93	Stoddard,Walter,Brug	0.04		
MS-TS-07/22/93-28	08/19/93	Stodd,Brugg,Walter	0.05		
MS-TS-07/23/93-28	08/20/93	Stoddard,Walker	0.06		
MS-TS-07/24/93-28	08/21/93	McDon,Sjong,Rubis	0.06		
MS-TS-07/25/93-28	08/22/93	McDononald, Sjong	0.03		
MS-TS-07/26/93-28	08/23/93	Sjong,McDon, Kump,	0.06		
MS-TS-07/27/93-28	08/24/93	Sjong	0.06		
MS-TS-07/28/93-28	08/25/93	Bruggman,Walter	0.07		
MS-TS-07/29/93-28	08/26/93	Stodd,Bruggman,Walt	0.08		
MS-TS-07/30/93-28	08/27/93	Stoddard,Walter,Brug	0.07		
MS-TS-07/31/93-28	08/28/93	Stod,Brug,Wal,Her	0.06		
MS-TS-08/01/93-28	08/29/93	Stod,Brug,Wal,Her	0.02		
MS-TS-08/02/93-28	08/30/93	Sjong,MCDonald	0.04		
MS-TS-08/03/93-28	08/31/93	Sjong,McDonald	0.06		
MS-TS-08/04/93-28	09/01/93	Bubis,McDon,Sjong	0.07		
MS-TS-08/05/93-28	09/02/93	McDonald	0.09		
MS-TS-08/06/93-28	09/03/93	Stoddard,Walter,Brug	0.04		
MS-TS-08/07/93-28	09/04/93	Stoddard,Walter,Brug	0.08		
MS-TS-08/08/93-28	09/05/93	Stoddard,Walter,Brug	0.06		
MS-TS-08/09/93-28	09/06/93	Stoddard,Walter,Brug	0.05		
MS-TS-08/10/93-28	09/07/93	Sjong,MCDonald	0.04		
MS-TS-08/11/93-28	09/08/93	Sjong,McDonald,Eman	0.04		
MS-TS-08/12/93-28	09/09/93	Sjong,McDon,Bubis	0.04		
MS-TS-08/13/93-28	09/10/93	Bruggman,Walters	0.06		
MS-TS-08/14/93-28	09/11/93	Walter	0.03		
MS-TS-08/15/93-28	09/12/93	Stoddard,Walter,Brug	0.06		
MS-TS-08/16/93-28	09/13/93	Stoddard,Walter,Brug	0.03		
MS-TS-08/17/93-28	09/14/93	McDonald,Stodard	0.03		
MS-TS-08/18/93-28	09/15/93	MCDonald	0.05		Split with EPA
MS-TS-08/19/93-28	09/16/93	Sjong,MCDonald,Kump	0.06		
MS-TS-08/20/93-28	09/17/93	McDonald,Sjong	0.06		
MS-TS-08/21/93-28	09/18/93	Walter,Duff,Sjong	0.07		
MS-TS-08/22/93-28	09/19/93	Kostelecky,Walter,Sj	0.08		
MS-TS-08/23/93-28	09/20/93	Walter,Whitmer,Brugg	0.07		
MS-TS-08/24/93-28	09/21/93	Kostelecky,Walter	0.06		
MS-TS-08/25/93-28	09/22/93	Kostelecky,McDonald	0.07		
MS-TS-08/26/93-28	09/23/93	MCDonald,Kump,Brugg	0.08		
MS-TS-08/27/93-28-E	09/24/93	Walter,Bruggman	0.06		
MS-TS-08/28/93-28	09/25/93		0.06		
MS-TS-08/29/93-28	09/26/93		0.05		
MS-TS-08/30/93-28	09/27/93		0.05		
MS-TS-08/31/93-28	09/28/93		0.09		
MS-TS-09/01/93-28	09/29/93	Kostalecky, Bruggman	0.09		
MS-TS-09/02/93-28	09/30/93	Kostelecky,Sjong	0.08		
MS-TS-09/03/93-28	10/01/93	McDonald,Sjong	0.07		
MS-TS-09/04/93-28	10/02/93	McDonald,Sjong	0.07		
MS-TS-09/05/93-28	10/03/93	McDonald,Sjong	0.11		
MS-TS-03790	10/04/93	Bruggman	0.22		
MS-TS-09/06/93-28	10/04/93	Bruggman,Walter	0.08		
MS-TS-09/07/93-28	10/05/93	Bruggman,Walter	0.1		
MS-TS-09/08/93-28	10/06/93	Kostelecky,Walter	0.11		
MS-TS-09/09/93-28	10/07/93	Kostelecky,Bruggman	0.41		
MS-TS-Fe8/PC29-28	10/07/93	Kostelecky,Bruggman	0.23		
MS-TS-06599	10/07/93		0.05		
MS-TS-09/10/93-28	10/08/93	Kostelecky,Bruggman	0.34		
MS-TS-09/11/93-28	10/09/93	McDonald	0.1		
MS-TS-09/12/93-28	10/10/93	McDonald,Bubis	0.08		
MS-TS-09/13/93-28	10/11/93	MCDonald,Sjong	0.09		
MS-TS-09/14/93-28	10/12/93	Bruggman,Walter	0.08		
MS-TS-09/15/93-28	10/13/93	Kostelecky,Walter	0.1		
MS-TS-07296	10/13/93	Energy	0.06		

Table 3
Summary of Analytical Results for Treated Material Samples

Sample Identification	Sample Date	Sampler	TCLP Chromium (mg/l)	Data Qualifiers	Comments
MS-TS-09/16/93-28	10/14/93	Kostelecky,Bruggman	0.12		
MS-TS-09/17/93-28	10/15/93	Kostelecky,Brost	0.12		
MS-TS-09/18/93-28	10/16/93	Kostelecky,Brost	0.11		
MS-TS-09/19/93-28	10/17/93	Sjong,McDonald	0.12		
MS-TS-09/20/93-28	10/18/93	Sjong,MCDonald	0.13		
MS-TS-09/21/93-28	10/19/93	MCDonald,Robertson	0.27		
MS-TS-09/22/93-28	10/20/93	Walter,Bruggman	0.35		
MS-TS-09/23/93-28	10/21/93	Walter,Bruggman	0.18		Re-analyzed, first analysis was .55
MS-TS-09/24/93-28	10/22/93	Walter,Bruggman	0.18		
MS-TS-09/25/93-28	10/23/93	Walter,Bruggman	0.24		
MS-TS-09/26/93-28	10/24/93	McDonald,Risher	0.1		
MS-TS-09/27/93-28	10/25/93	McDonald,Robertson,	0.09		
MS-TS-09/28/93-28	10/26/93	MCDonald,Risher	0.14		
MS-TS-09/29/93-28	10/27/93	Sjong,Walter	0.08		
MS-TS-09/30/93-28	10/28/93	Sjong	0.06		Split with EPA
MS-TS-10/01/93-28	10/29/93	Bruggman,McDonald	0.04		
MS-TS-Fe9/PC31-28	10/29/93	Bruggman,McDonald	0.04		
MS-TS-10/02/93-28-A	10/30/93	Whitmer, McDonald	0.07		
MS-TS-10/03/93-28	10/31/93	Walter,Whitmer	0.04		
MS-TS-10/04/93-28	11/01/93	Walter	0.04		
MS-TS-10/05/93-28	11/02/93	Walter	0.07		
MS-TS-10/06/93-28	11/03/93	Walter	0.09		Split with EPA
MS-TS-10/07/93-28	11/05/93	Walter	0.05		
MS-TS-10/09/93-28	11/06/93	Herrick, Whitmer	0.06		
MS-TS-10/10/93-28	11/07/93	Walter	0.12		
MS-TS-10/11/93-28	11/08/93	Walter	0.05		
MS-TS-10/12/93-28	11/09/93	Walter	0.06		
MS-TS-10/13/93-28	11/10/93	Walter	0.07		
MS-TS-10/14/93-28	11/11/93	Kump	0.18		
MS-TS-10/15/93-28	11/12/93	Newton	0.14		
MS-TS-10/16/93-28	11/13/93	Newton	0.1		
MS-TS-10/17/93-28	11/14/93	Walter	0.06		
MS-TS-10/18/93-28	11/15/93	Jim Walter	0.04		
MS-TS-10/19/93-28	11/16/93	Kump	0.12		
MS-TS-10/20/93-28	11/17/93	Walter	0.02		
MS-TS-10/21/93-28	11/18/93	Herrick	0.03		
MS-TS-10/22/93-28	11/19/93	Herrick	0.02		
MS-TS-10/23/93-28	11/20/93	Herrick	0.03		
MS-TS-10/24/93-28	11/21/93	Walter	0.08		
MS-TS-10/28/93-28test	11/22/93	Whitmer	0.02		28 day composite, need to crush, extracted II/26
MS-TS-10/28/93-28	11/22/93	Whitmer	0.03		28 day composite, need to crush, extracted II/26
MS-TS-10/30/93-28	11/22/93	Whitmer	0.03		28 day composite, need to crush, extracted II/26
MS-TS-10/29/93-28	11/22/93	Whitmer	0.03		28 day composite, need to crush, extracted II/26
MS-TS-10/25/93-28	11/22/93	Kump	0.06		
MS-TS-10/26/93-28	11/22/93	Whitmer	0.07		
MS-TS-10/27/93-28	11/22/93	Whitmer	0.04		28 day composite, need to crush, extracted II/26
MS-TS-3493	05/20/94	Walter	0.02		

1) TCLP - Toxcity Characteristic Leaching Procedure
2) mg/l - milligram per liter

Table 4
Summary of Analytical Results for Test Pit Soil Samples

Sample Identification	Sample Date	Sampler	Laboratory Identification Number	TCLP Chromium (mg/l)	Data Qualifiers	COMMENTS (Depth to Sample, etc.)
MS-S-TP-06/22/94	06/22/94	Herrick	94-28205	0.01		Composite From 1-4'
MS-S-TP2-06/22/94	06/22/94	Herrick	94-28206	0.02		Composite From 1-5'
MS-S-TP3-06/22/94	06/22/94	Herrick	94-28207	0.04		Composite From 1-5'
MS-S-TP4-06/22/94	06/22/94	Herrick	94-28208	0.03		Composite From 1-5'
MS-TP3-06/29/94-2	06/29/94	Herrick,Brost	94-29682	0.07		4'
MS-TP3-06/29/94-3	06/29/94	Herrick,Brost	94-29683	0.06		6'
MS-TP4-06/29/94-1	06/29/94	Herrick,Brost	94-29681	0.02		2'
MS-TP2-09/03/94-1	09/03/94	Davidson,Herrick	94-41577	< 0.01		2'
MS-TP2-09/03/94-2	09/03/94	Davidson,Herrick	94-41578	0.02		4'
MS-TP2-09/03/94-3	09/03/94	Davidson,Herrick	94-41579	0.02		6'
MS-TP1-09/03/94-1	09/03/94	Davidson,Herrick	94-41580	< 0.01		2'
MS-TP1-09/03/94-2	09/03/94	Davidson,Herrick	94-41581	< 0.01		4'
MS-TP1-09/03/94-3	09/03/94	Davidson,Herrick	94-41582	0.01		6'
MS-TP3-09/03/94-1	09/03/94	Davidson,Herrick	94-41584	< 0.01		2'
MS-TP3-09/03/94-2	09/03/94	Davidson,Herrick	94-41585	0.02		4'
MS-TP3-09/03/94-3	09/03/94	Davidson,Herrick	94-41586	0.01		6'
MS-TP4-09/03/94-1	09/03/94	Davidson,Herrick	94-41587	< 0.01		2'
MS-TP4-09/03/94-2	09/03/94	Davidson,Herrick	94-41588	< 0.01		4'
MS-TP4-09/03/94-3	09/03/94	Davidson,Herrick	94-41589	0.01		7'
MS-S-HR-10/28/94-2	10/28/94	Walter,Davidson	94-53698	0.02		Surface Sample
MS-S-HR-10/28/94-3	10/28/94	Walter,Davidson	94-53699	< 0.01		Surface Sample
MS-S-HR-10/28/94-5	10/28/94	Walter,Davidson	94-53701	0.03		Surface Sample
MS-S-HR-10/28/94-4B	10/28/94	Walter,Davidson	94-53700	0.03		Surface Sample

1) TCLP - Toxicity Characteristic Leaching Procedure
2) mg/l - milligram per liter

Table 5
Summary of Analytical Results for Excavated Soil Returned to the Excavation

SAMPLE ID	Date Sampled	Lab ID	TCLP Chromium	Data Qualifiers	COMMENTS
MS-DB-5F-07/16/94-2	07/16/94	94-31482	0.04		
MS-DB-2B-07/17/94-1	07/17/94	94-31505	0.07		
MS-DB-4B-07/25/94-2	07/25/94	94-33271	0.16		
MS-DB-9B-07/26/94-2	07/26/94	94-33672	0.02		
MS-DB-8F-07/27/94-1	07/27/94	94-34082	0.08		
MS-DB-11-07/28/94-1	07/28/94	94-34086	0.22		
MS-DB-4B-07/28/94-2	07/28/94	94-34088	0.14		
MS-DB-3B-08/01/94-1	08/01/94	94-34484	0.1		
MS-DB-8F-08/01/94-2	08/01/94	94-34483	0.1		
MS-DB-7F-08/02/94-1	08/02/94	94-34650	0.19		
MS-DB-10F-08/19/94-1	08/19/94	94-39744	0.06		re-run first result 0.13
MS-DB-10F-08/19/94-2	08/19/94	94-39758	0.06		
MS-DB-5-08/19/94-1	08/19/94	94-39745	0.45		
MS-DB-3F-08/23/94-1	08/23/94	94-39991	0.06		
MS-DB-10-08/27/94-1	08/27/94	94-40487	0.22		
MS-DB-7B-08/27/94-2	08/27/94	94-40488	0.48		
MS-DB-4F-08/28/94-2	08/28/94	94-40497	<0.01		
MS-DB-7B-08/30/94-2	08/30/94	94-40886	0.02		
MS-DB-9-08/31/94-1	08/31/94	94-41025	0.03		
MS-DB-8B-09/01/94-1	09/01/94	94-41448	0.13		
MS-DB-8F-09/01/94-1	09/01/94	94-41450	0.46		
MS-DB-10B-09/02/94-1	09/02/94	94-41576	0.01		
MS-DB-4-09/02/94-1	09/02/94	94-41569	0.1		
MS-DB-10F-09/03/94-1	09/03/94	94-41590	0.03		
MS-DB-6-09/03/94-2	09/03/94	94-41583	0.07		
MS-DB-2B-09/04/94-2	09/04/94	94-41599	0.04		
MS-DB-2F-09/04/94-2	09/04/94	94-41602	0.02		
MS-DB-3B-09/04/94-2	09/04/94	94-41596	0.11		
MS-DB-3F-09/04/94-1	09/04/94	94-41597	0.15		
MS-DB-5-09/04/94-2	09/04/94	94-41598	0.23		
MS-DB-1-09/06/94-1	09/06/94	94-43720	0.33		
MS-DB-4B-09/06/94-1	09/06/94	94-43721	0.11		
MS-DB-4F-09/06/94-1	09/06/94	94-43722	<0.01		
MS-DB-7-09/06/94-2	09/06/94	94-43723	0.01		
MS-DB-3B-09/08/94-1	09/08/94	94-44074	0.29		
MS-DB-3F-09/08/94-1	09/08/94	94-44073	0.02		
MS-DB-6-09/08/94-1	09/08/94	94-44075	0.09		
MS-DB-2-09/09/94-2	09/09/94	94-44227	0.31		
MS-DB-4B-09/09/94-1	09/09/94	94-44228	0.1		
MS-DB-7B-09/09/94-1	09/09/94	94-44231	0.35		
MS-DB-3B-09/10/94-2	09/10/94	94-44247	0.4		
MS-DB-3F-09/11/94-1	09/11/94	94-44248	0.16		
MS-DB-8-09/11/94-2	09/11/94	94-44249	0.02		
MS-DB-9F-09/13/94-1	09/13/94	94-44665	0.36		
MS-DB-3-09/17/94-2	09/17/94	94-46223	0.27		
MS-DB-6-09/17/94-1	09/17/94	94-46224	0.28		
MS-DB-2-09/18/94-2	09/18/94	94-46239	0.34		
MS-DB-4-09/18/94-2	09/18/94	94-46238	0.37		
MS-DB-3-09/20/94-2	09/20/94	94-46459	0.45		
MS-DB-3-10/10/94-1	10/10/94	94-50713	0.21		
MS-DB-3-10/10/94-2	10/10/94	94-50714	0.2		

1) TCLP - Toxicity Characteristic Leaching Procedure
2) mg/l - milligrams per liter

Table 6
Summary of Analytical Results for Cover Material Samples

Sample Identification	Sample Date	Sampler	Laboratory Identification	TCLP Chromium (mg/l)	Data Qualifiers	COMMENTS
MS-CM-1	07/23/93	Rob.,MCDon, Sjong	93-31703	< 0.01		Hogan's Quarry
MS-CM-2	08/03/94	Walter	94-34797	< 0.01		Riley's Quarry
MS-CM-3	09/14/94	Herrick	94-45935	0.02		Site Soil stockpiled at Airport
MS-DB-1-10/01/94	10/01/94	Emanuel/Davidson	94-47849	< 0.5		Site Soil from Clean Areas
MS-CM-5	10/04/94	Bruggman	94-48207	0.05		Site Soil from Clean Areas
MS-CM-6	10/04/94	Bruggman	94-48208	0.02		Site Soil from Clean Areas
MS-CM-7	10/05/94	Bruggman	94-48209	0.02		Site Soil from Clean Areas
MS-CM-8	10/26/94	Emanuel,Herrick	94-53372	< 0.5		Riley's Quarry
MS-CM-9	10/26/94	Emanuel,Herrick	94-53373	< 0.5		Site Soil stockpiled at Airport

1) TCLP - Toxicity Characteristic Leaching Procedure
2) mg/l - milligrams per liter

Baker Environmental, Inc.
Airport Office Park, Building 3
420 Rouser Road
Coraopolis, Pennsylvania 15108
(412) 269-6000
FAX (412) 269-6097

Letter of Transmittal

To: U. S. EPA, Region VIII
999 - 18th Street, Suite 500
Denver, CO 80202-2466

S.O. No.: 18978-900-0000-09000
Project: Mouat Industries NPL Site
Date: March 22, 1995

Attn.: Andy Lensink, Esq.

We are forwarding the following: ■ Attached ❑ Under Separate Cover ❑ _____

DWG. NO.	NO. COPIES	TITLE OR DESCRIPTION	COMMENTS
	1	Response Action Fieldwork Completion Report Mouat Industries NPL Site, Columbus, Montana (Site No. 65) Per Mr. William Cutler's request	

THESE ARE TRANSMITTED as checked below:

■ As requested
❑ For review and comment
❑ For your information
❑ No exception taken
❑ Rejected - See remarks
❑ Proceed subject to corrections noted
❑ Revise and resubmit
❑ Submit specified items
❑ _____

GENERAL COMMENTS:

cc: John Stillmun
William Cutler

BAKER ENVIRONMENTAL, INC.

By: Earl H. Rothfuss, P.E. EHR
Title: Senior Project Manager
Page: 1 of _____

TEST PIT	SAMPLE DEPTH	TCLP CHROMIUM
1	1–4'	0.01
	2'	<0.01
	4'	<0.01
	6'	0.01
2	1–5'	0.02
	2'	<0.01
	4''	0.02
	6'	0.02
3	1–5'	0.04
	2'	<0.01
	4'	0.02
	6'	0.01
	4'	0.07
	6'	0.06
4	1–5'	0.03
	2'	0.02
	2'	<0.01
	4'	<0.01
	7'	0.01

LEGEND:

- △ TEST PIT
- ⅄ CONFIRMATORY SAMPLE
- 0.13 TCLP CHROMIUM IN SAMPLE
- [ ] DEPTH OF SAMPLE
- GW GRID EXCAVATED BELOW GROUNDWATER NO RELEVANT SAMPLE

FIELDWORK COMPLETION REPORT – FIGURE NO. 1

REVISIONS								
1								
2								
3								
4								
5								
6								
7								
8								

DSN/DWN: EHR/CEB
CHK:
S.O. NO.: 18978
FILE: 18978L39

NORTH

FMC CORPORATION
PHILADELPHIA, PENNSYLVANIA

Baker Environmental, Inc.
Coraopolis, Pennsylvania

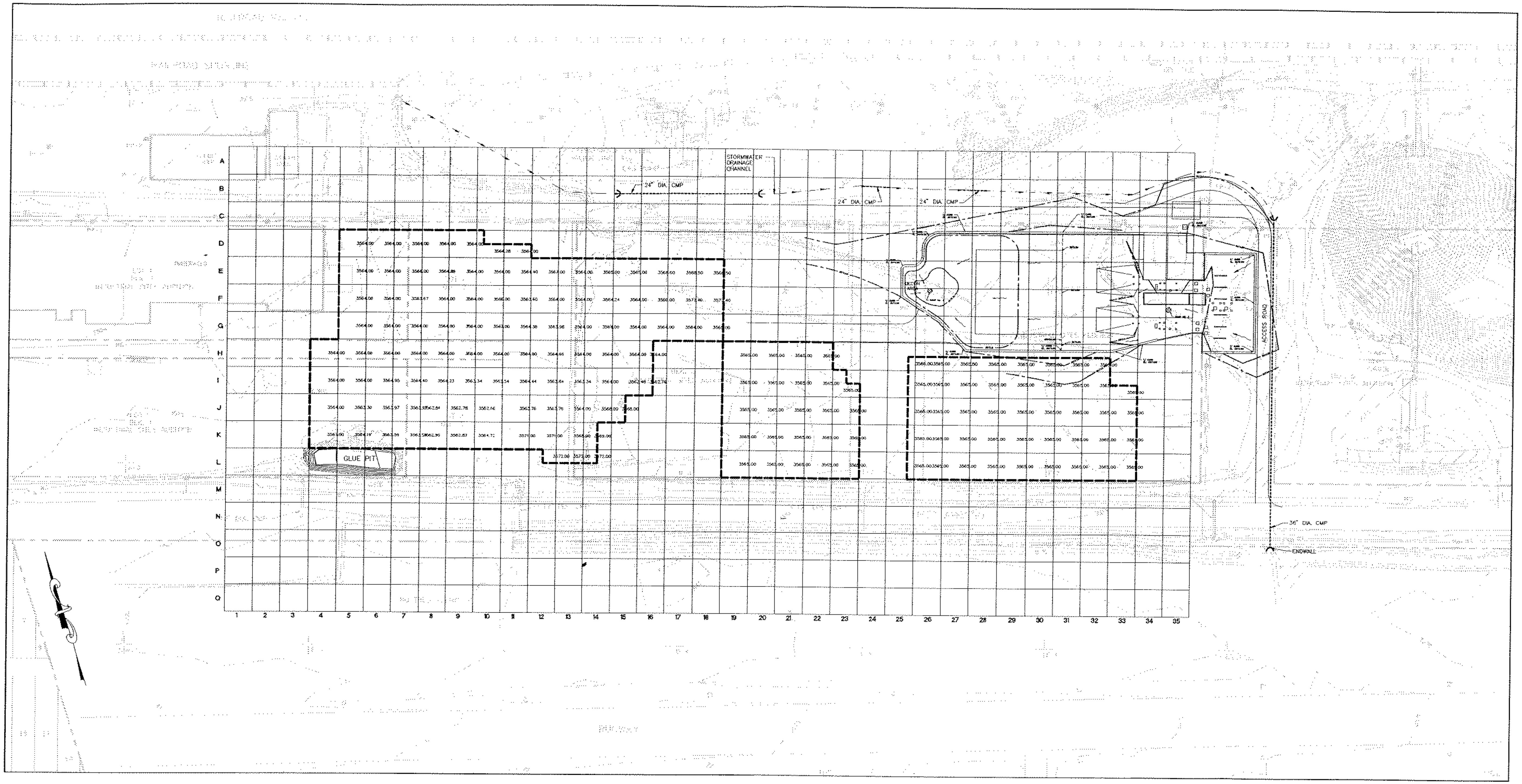
Baker Environmental, Inc.

CHROMIUM CONTAINING SOIL EXCAVATION AREA
MOUAT INDUSTRIES NPL SITE
COLUMBUS, MONTANA

SCALE: 1" = 30'

DATE: MARCH 17, 1995

FIGURE NO.
1



GRAPHIC SCALE

(IN FEET)

ON ORIGINAL

0" 1/4 1/2 3/4 1" 1/4 1/2 3/4 2" 1/4 1/2 3/4 3"

LEGEND:

PERIMETER OF EXCAVATIONS FOR BLOCK AND SOIL PLACEMENT

3562.66 ELEVATIONS OF BOTTOM OF EXCAVATIONS FOR BLOCK AND SOIL PLACEMENT

FIELDWORK COMPLETION REPORT – FIGURE NO. 2

REVISIONS
1
2
3
4
5
6
7
8

DSN/DWN: EHR/CEB
CHK:
S.O. NO.: 18978
FILE: 18978L34

NORTH

FMC CORPORATION
PHILADELPHIA, PENNSYLVANIA

Baker Environmental, Inc.
Coraopolis, Pennsylvania

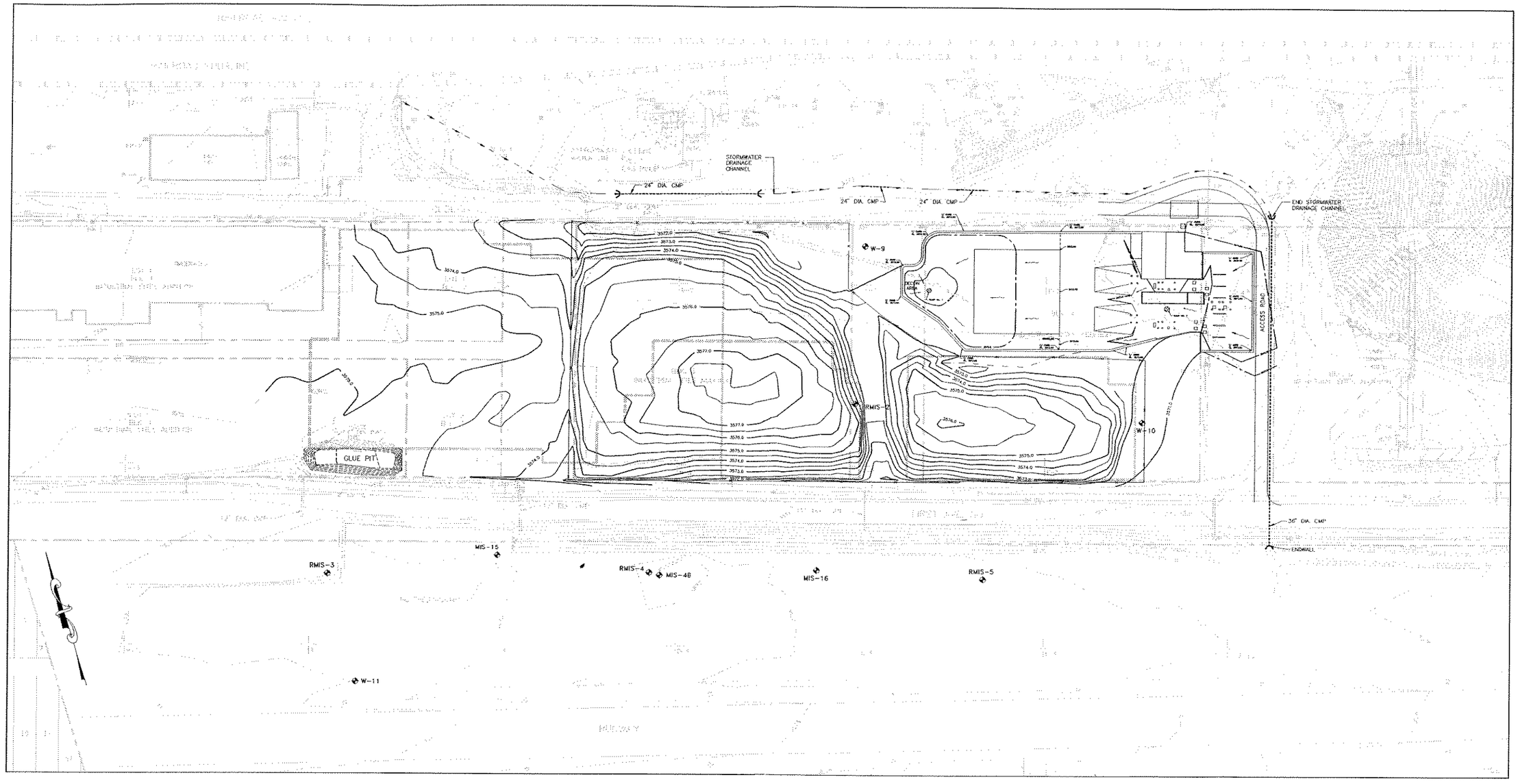
Baker
Baker Environmental, Inc.

TREATED MATERIAL AND CLEAN SOIL PLACEMENT AREAS
MOUAT INDUSTRIES NPL SITE
COLUMBUS, MONTANA

SCALE: AS SHOWN

DATE: MARCH 17, 1995

FIGURE NO.
2



GRAPHIC SCALE

50 0 50 100

(IN FEET)

ON ORIGINAL

1/4 3/4 1/4 3/4 1/4 3/4

0" 1/2 1" 1/2 2" 1/2 3"

FIELDWORK COMPLETION REPORT – FIGURE NO. 3

REVISIONS					
1					
2					
3					
4					
5					
6					
7					
8					

DSN/DWN: EHR/CEB
CHK:
S.O. NO.: 18078
FILE: 18078L37

NORTH

FMC CORPORATION
PHILADELPHIA, PENNSYLVANIA

Baker Environmental, Inc.
Coraopolis, Pennsylvania

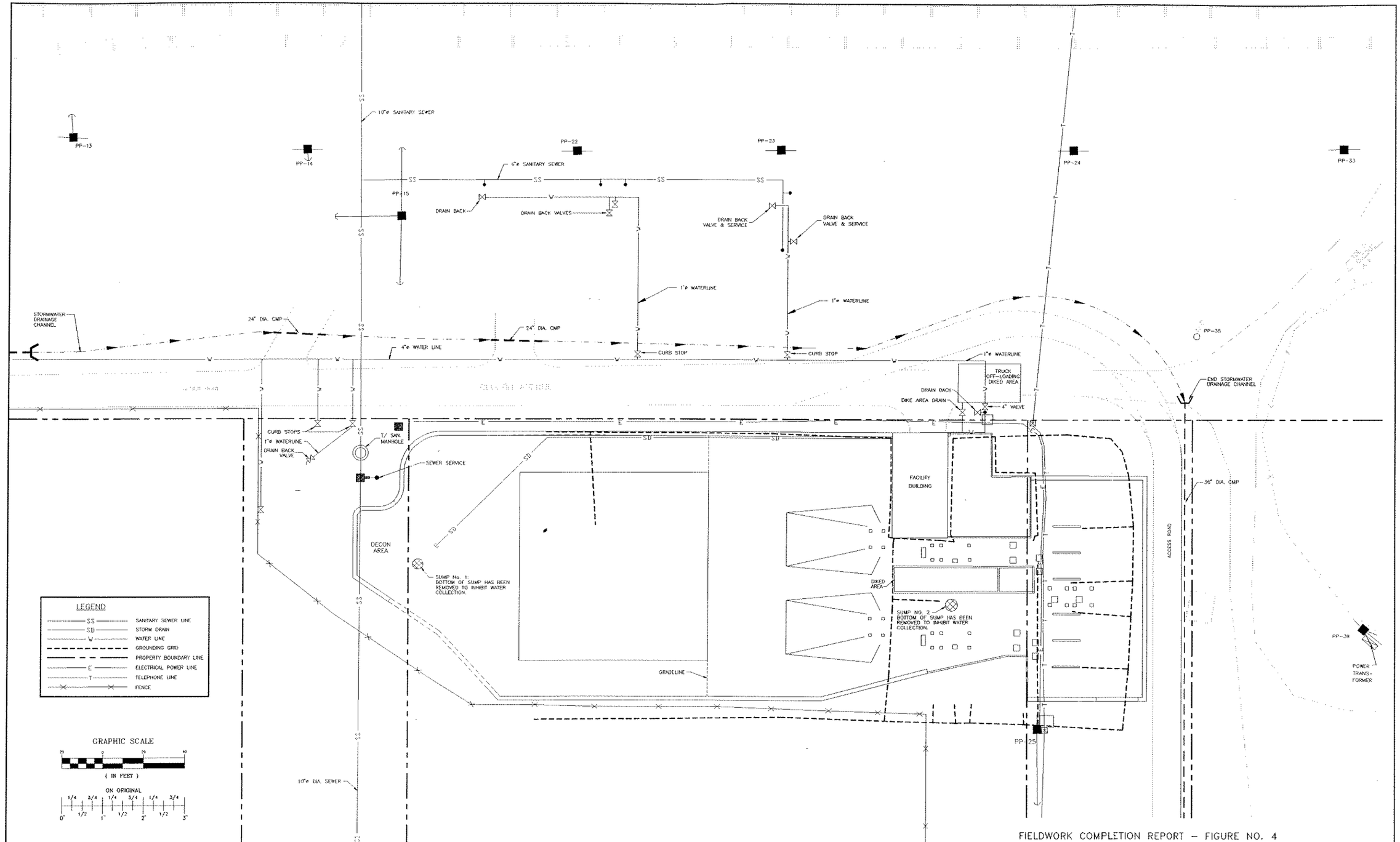
Baker Environmental, Inc.

SITE CONTOURS AT RESPONSE ACTION COMPLETION
MOUAT INDUSTRIES NPL SITE
COLUMBUS, MONTANA

SCALE: AS SHOWN

DATE: MARCH 17, 1995

FIGURE NO.
3



LEGEND

- SS — SANITARY SEWER LINE
- SD — STORM DRAIN
- W — WATER LINE
- GROUNDING GRID
- PROPERTY BOUNDARY LINE
- E — ELECTRICAL POWER LINE
- T — TELEPHONE LINE
- FENCE

GRAPHIC SCALE

20 0 20 40

(IN FEET)

ON ORIGINAL

1/4 3/4 1/4 3/4 1/4 3/4

0" 1/2 1" 1/2 2" 1/2 3"

FIELDWORK COMPLETION REPORT – FIGURE NO. 4

REVISIONS			
1			
2			
3			
4			
5			
6			
7			
8			

DSN/DWN: EHR/CEB
CHK:
S.O. NO.: 18978
FILE: 18978L32

NORTH

FMC CORPORATION
PHILADELPHIA, PENNSYLVANIA

Baker Environmental, Inc.
Coraopolis, Pennsylvania

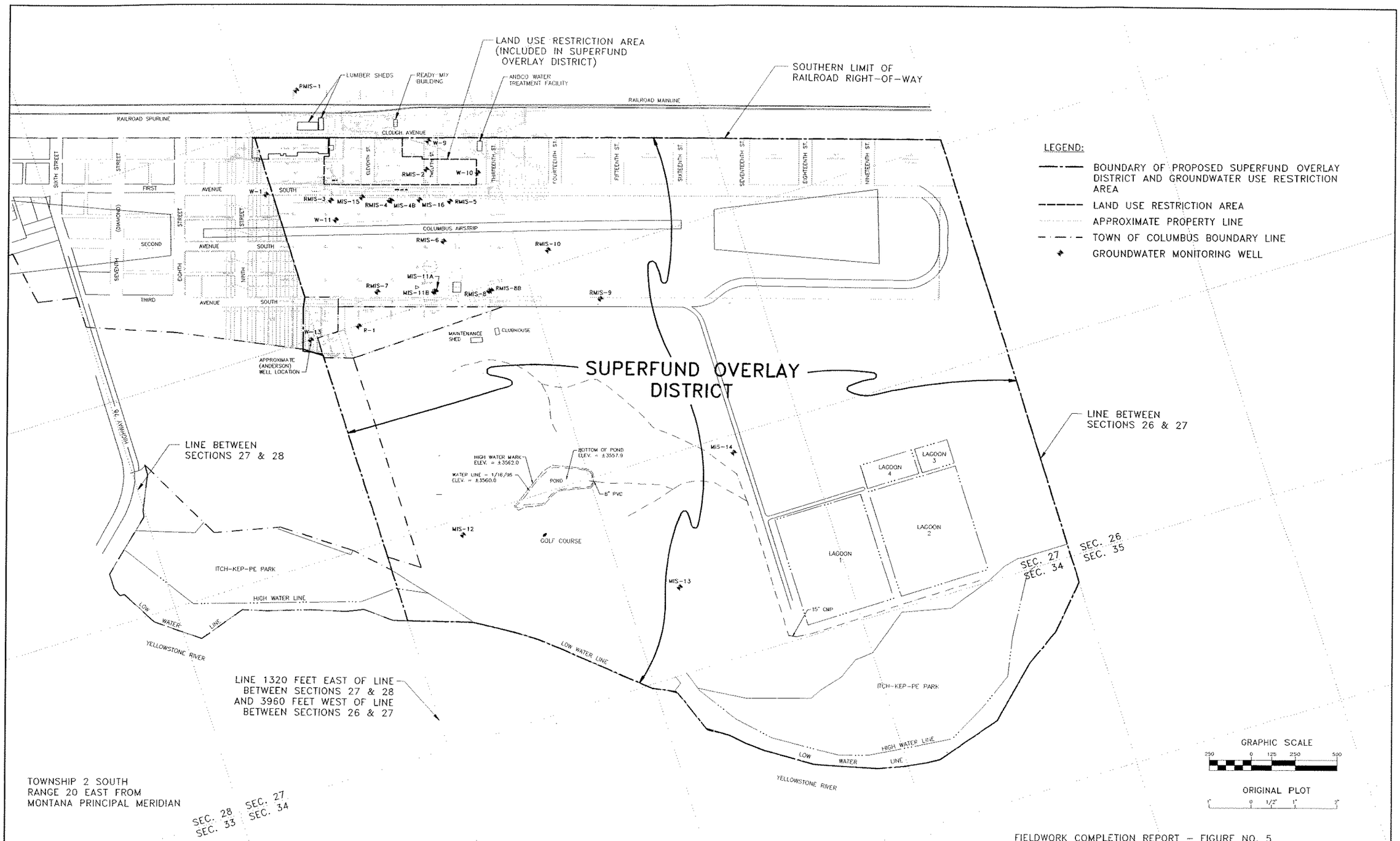
Baker Environmental, Inc.

TREATMENT FACILITY AREA
AT RESPONSE ACTION COMPLETION
MOUAT INDUSTRIES NPL SITE
COLUMBUS, MONTANA

SCALE: AS SHOWN

DATE: MARCH 17, 1995

FIGURE NO.
4



FIELDWORK COMPLETION REPORT – FIGURE NO. 5

REVISIONS
1
2
3
4
5
6
7
8

DSN/DWN: EHR/CEB
CHK:
S.O. NO.: 18478
FILE: 18478L29

NORTH

FMC CORPORATION
PHILADELPHIA, PENNSYLVANIA

Baker Environmental, Inc.
Coraopolis, Pennsylvania

Baker Environmental, Inc.

SUPERFUND OVERLAY DISTRICT
MOUAT INDUSTRIES NPL SITE
COLUMBUS, MONTANA

SCALE: AS SHOWN

DATE: MARCH 17, 1995

FIGURE NO.
5