

353005

New York State Department of Environmental Conservation
Division of Hazardous Waste Remediation
Bureau of Hazardous Site Control
Additions/Change to Registry Summary of Approvals

Site Name BEAVER SMELTING DEC I.D. Number 353005

Current Classification 2

Activity Add as Class Reclassify to 4 Delist Category Modify

Approvals.

Regional Hazardous Waste Engineer Yes No

NYSDOH Yes No Per LTRS E. BARON & A. CARLSON dtd 12/3/92 & 12/15/92 respectively & attached.

DEE Yes No

BHSC: a. Investigation Section Yes No

b. Site Control Section Robert H. [Signature] Date 12/14/92

c. Director [Signature] Date 12/15/92

DHWR Assistant Director [Signature] Date 12/21/92

Adj. Prop. ~~copy~~ owner mailed 1/14/93

NOTIF. mailed 12/30/92 For Proposed Class 2a Sites Only:

Anticipated Action: _____

By Whom: _____

Time Frame: _____

10/23/91

REGISTRY SITE CLASSIFICATION DECISION

| | | | | | | | |
|---|--|--|--|--|--|---|--|
| 1. SITE NAME Beaver Smelting | | 2. SITE NO 353005 | | 3. TOWN/CITY/VILLAGE Woodbourne | | 4. COUNTY Sullivan | |
| 5. REGION 3 | | 6. CLASSIFICATION Current 2 Proposed 4 Modify | | | | | |
| 7. LOCATION OF SITE (Attach U.S.G.S Topographic Map showing site location) | | | | | | | |
| a. Quadrangle Grahamsville | | b. Site Latitude 41 46' 16" | | Longitude 74 35' 48" | | c. Tax Map Number 14-1-85,7 16-1-85,7 | |
| 8. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations) | | | | | | | |
| The company is a aluminum recycling facility, that operated from the 1960's to 1981. The ash failed the EP Toxicity Test for lead. The RI/FS results showed groundwater standards being exceeded for lead, cadmium, selenium and pH. Approximately 9000 cubic yards of smelter ash was consolidated and capped on site. Work was completed in October 1991. | | | | | | | |
| a. Area <u>2</u> acres | | b. EPA ID Number <u>----</u> | | | | | |
| c. Completed ()Phase I ()Phase II ()PSA (X)RI/FS ()PA/SI (X)Other Remedial Action | | | | | | | |
| 9. HAZARDOUS WASTES DISPOSED | | | | | | | |
| Lead - D008 - Lead is contained in the 9000 cubic yards of smelter ash. | | | | | | | |
| 10. ANALYTICAL DATA AVAILABLE | | | | | | | |
| a. ()Air (X)Groundwater (X)Surface Water (X)Soil ()Waste (X)EPTox ()TCLP | | | | | | | |
| b. Contravention of Standards or Guidance Values | | | | | | | |
| The smelter ash failed the EP Toxicity test for lead. EP Toxicity Limit for lead (5 ppm) was exceeded in leachate from two ash samples (13.63 and 200.45 ppm). Groundwater standards for lead and selenium are being violated. Values in July 1989 ranged from 15-48 ppb lead and 8-120 ppb selenium. The TOGS 1.1.1 guidance values for lead and selenium are 25 and 28 ¹⁸ respectively. | | | | | | | |
| 11. JUSTIFICATION FOR CLASSIFICATION DECISION | | | | | | | |
| The smelter ash has been consolidated into the main fill, capped with clay and seeded. The remedial work has been completed as per the plans and specifications and the long-term monitoring program will begin in January 1992. | | | | | | | |
| 12. SITE IMPACT DATA | | | | | | | |
| a. Nearest surface water: Distance <u>200</u> ft. | | Direction <u>SW</u> | | Classification <u>Unclassified</u> | | | |
| b. Nearest Groundwater: Depth <u>5</u> ft. | | Flow Direction <u>SW</u> | | ()Sole Source ()Primary ()Principal | | | |
| c. Nearest water supply: Distance <u>250</u> ft. | | Direction <u>West</u> | | Active (X)Yes ()No Private well | | | |
| d. Nearest building: Distance <u>250</u> ft. | | Direction <u>West</u> | | Use <u>House Trailer (Residence)</u> | | | |
| e. In State Economic Development Zone? | | ()Y (X)N | | i. Controlled site access? (X)Y ()N | | | |
| f. Crops or livestock on site? | | ()Y (X)N | | j. Exposed hazardous waste? ()Y (X)N | | | |
| g. Documented fish or wildlife mortality? | | ()Y (X)N | | k. HRS Score <u>---</u> | | | |
| h. Impact on special status fish or wildlife resource? | | ()Y (X)N | | l. For Class 2: Priority Category <u>N/A</u> | | | |
| 13. SITE OWNER'S NAME Arthur Rosenshein | | 14. ADDRESS P.O. Box 58, Woodbourne, NY 12788 | | | 15. TELEPHONE NUMBER (914) 434-4280 | | |
| 16. PREPARER | | | | 17. APPROVED | | | |
| <u>Michael A. Mason</u> | | <u>2-4-92</u> | | <u>Charles Mordal</u> | | <u>12/21/92</u> | |
| Signature | | Date | | Signature | | Date | |
| Michael Mason, EE 1, DHWR, BCS | | | | Ass't Dir | | | |
| Name, Title, Organization | | | | Name, Title, Organization | | | |



STATE OF NEW YORK DEPARTMENT OF HEALTH

1005

Center for Environmental Health

2 University Place

Albany, New York 12203-3399

Mark R. Chassin, M.D., M.P.P., M.P.H.
Commissioner
Paula Wilson
Executive Deputy Commissioner

December 11, 1992

DEC 18 1992

OFFICE OF PUBLIC HEALTH
Sue Kelly
Executive Deputy Director
William N. Staszuk, P.E., Ph. D.
Center Director

Mr. Earl Barcomb, P.E., Director
Bureau of Hazardous Site Control
NYS Dept. of Environmental Conservation
50 Wolf Road
Albany, New York 12233

RE: Beaver Smelting
Woodburn, Sullivan Co.
Site ID #353005

Dear Mr. Barcomb:

My staff have reviewed the Classification Package for the Beaver Smelting site and concur with the decision to change the classification from 2 to 4 due to the consolidation and capping of the foundry ash.

Please contact Steven Bates, of my staff, if you have any questions.

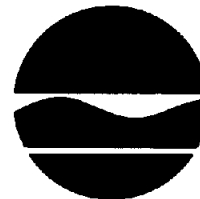
Sincerely,

G. Anders Carlson, Ph.D.
Director
Bureau of Environmental Exposure
Investigation

1k/23460526

cc: Mr. S. Bates
Mr. M. VanValkenburg
Mr. J. Crua
Mr. G. Lieber - MDO
Mr. M. Knudsen - MDO
Mr. R. Pergadia - DEC Reg. 3

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233



Thomas C. Jorling
Commissioner

G. Anders Carlson, Ph.D.
Director
Bureau of Environmental Exposure Investigation
New York State Department of Health
2 University Place
Albany, New York 12237

Re: Beaver Smelting, Site No. 353005

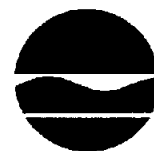
Dear Dr. Carlson:

As I indicated in my letter of December 3, 1992, the Department of Environmental Conservation has reclassified the subject site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State from Class 2 to Class 4. This decision is based on the fact that the remedial actions required have been completed and that a long term monitoring program has been initiated.

At this point, the site will be referred to the Bureau of Construction Services for continued oversight of the Monitoring and Maintenance Program. If you have any questions concerning this reclassification or referral, please contact me at 457-8807.

Sincerely,

Earl H. Barcomb, P.E.
Director
Bureau of Hazardous Site Control
Div. of Hazardous Waste Remediation



Thomas C. Jorling
Commissioner

DEC 3 1992

G. Anders Carlson, Ph.D.
Director
Bureau of Environmental Exposure Investigation
New York State Department of Health
Two University Place
Albany, New York 12237

Re: Beaver Smelting, Site No. 353005

Dear Dr. Carlson:

The subject site is being considered for reclassification to Class 4 in the Registry of Inactive Hazardous Waste Disposal Sites in New York State. The reclassification package was transmitted to your office on February 20, 1992. To date, we have not received an affirmative or negative response from you.

The remedial actions required in the approved plans and specifications per a consent order with the responsible party were completed in October 1991. Approximately 9,000 cubic yards of smelter ash was consolidated and capped on site. A long-term monitoring program was initiated in January 1992 in accordance with the consent order. Based on this information, the site should be reclassified to Class 4, "site properly closed - requires continued management".

Please advise me of any further questions or problems regarding these conclusions or indicate your approval of this classification change by signing Box 17 of the Registry Site Classification Decision form by December 11, 1992. At that time, assuming that you have not raised any pertinent and contrary issues, we will reclassify the site in the Registry and refer the site to the Bureau of Construction Services for continued oversight of the Monitoring and Maintenance Program.

bcc: E. Barcomb
R. Marino
A. Rockmore
J. Swartwout
W. Bayer
L. Beagle

Sincerely,

Earl H. Barcomb, P.E.
Director

Bureau of Hazardous Site Control
Division of Hazardous Waste Remediation

LB/srh

Enclosure



New York State Department of Environmental Conservation

MEMORANDUM

TO: Earl Barcomb, Director, Bureau of Hazardous Site Control
FROM: Alan Rockmore, Director, Bureau of Construction Services *Alan Rockmore*
SUBJECT: Beaver Smelting, Site #353005, Sullivan County

DATE: January 27, 1992

Remedial work at the referenced site was performed in accordance with the approved remedial plan and consent order and is now considered complete. Attached is a certification letter and "as-built" plan from the PRP's engineer.

It is proposed to reclassify the site from a Class 2 "significant threat to the public health or environment - action required" to a Class 4 "site properly closed - requires continued management".

This proposal is based on the fact that the foundry ash was removed from the far fill area and back fill area and property consolidated and capped into the main fill area. The far fill area and back fill area have been properly restored. A registry site classification decision form for the site is also attached.

If you have any questions, please call Michael Mason at 7-9280.

Attachments

cc: w/o Att. - R. Pergadia - NYSDEC Region 3

HAZARD
DE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

CLASSIFICATION CODE: 4 REGION: 3 SITE CODE: 353005
EPA ID:

NAME OF SITE : Beaver Smelting
STREET ADDRESS: Beaver Lane
TOWN/CITY: COUNTY: ZIP:
Woodbourne Sullivan 12788

SITE TYPE: Open Dump- X Structure- Lagoon- Landfill- Treatment Pond-
ESTIMATED SIZE: 2 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER NAME....: Woodburn Mining, Smelting, & Refining
CURRENT OWNER ADDRESS.: PO Box 8, Woodburn, NY
OWNER(S) DURING USE...: Woodburn Mining, Smelting, & Refining Co.
OPERATOR DURING USE...: Beaver Smelting and Refining Corp.
OPERATOR ADDRESS.....: PO Box 8, Woodburn, NY
PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From Mid 60's To 1981

SITE DESCRIPTION:

The company is an aluminum recycling facility, that operated for twenty five years. There were three large and numerous small piles of ash. The ash failed the EP Toxicity test for lead at 13.63 ppm and 200.45 ppm. An RI/FS was conducted by the responsible party under an agreement with the Attorney General. The RI/FS was approved in March 1989. Results of the RI showed groundwater standards being exceeded for lead, cadmium, selenium, and pH. Values in July 1989 ranged from 15-48 ppb lead and 18-120 ppb selenium.

An Attorney General consent order was signed for remediation of the site. Approximately 9000 cubic yards of smelter ash waste was consolidated, capped and seeded in October 1991. A groundwater collection trench was installed upgradient of the pile. A long-term monitoring program began in January 1992 as part of the remediation consent order.

| HAZARDOUS WASTE DISPOSED: Confirmed-X TYPE | Suspected- QUANTITY (units) |
|--|--------------------------------|
| ----- Smelter ash waste failing EP Toxicity test for lead (D008) | ----- 9000 cubic yards |

ANALYTICAL DATA AVAILABLE:

Air- Surface Water- Groundwater-X Soil-X Sediment-

CONTRAVENTION OF STANDARDS:

Groundwater-X Drinking Water- Surface Water- Air-

LEGAL ACTION:

TYPE...: Consent order - AG State- X Federal-
STATUS: Negotiation in Progress- Order Signed- X

REMEDIAL ACTION:

Proposed- Under design- In Progress- Completed-X
NATURE OF ACTION: Consolidation, capping, seeding of smelter ash

GEOTECHNICAL INFORMATION:

SOIL TYPE: Stiff clayey silt with little gravel
GROUNDWATER DEPTH: 6-8 ft.

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Groundwater contamination is in exceedance of standards for lead and selenium. Leachate has been observed adjacent to the perimeter of the fill.

ASSESSMENT OF HEALTH PROBLEMS:

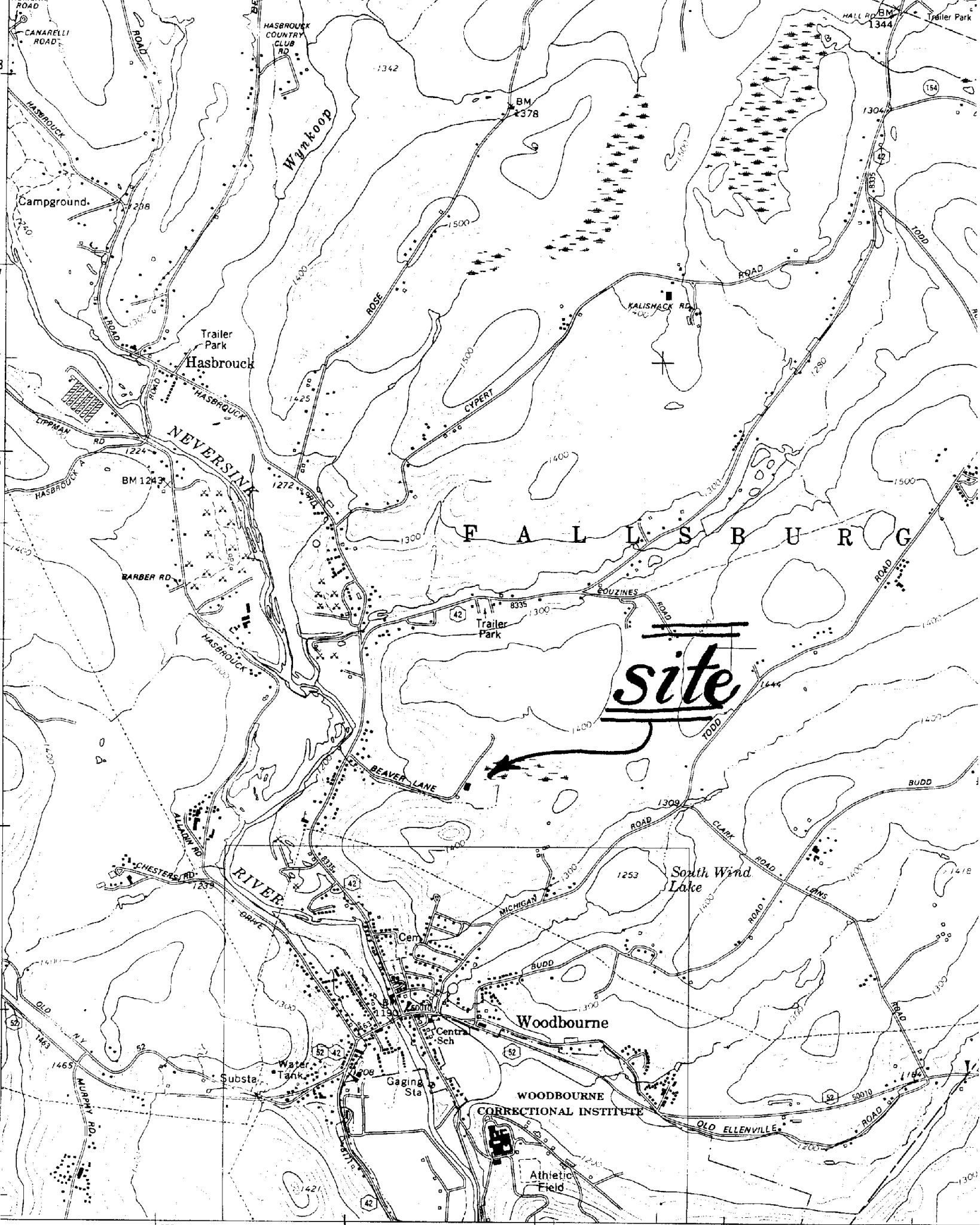


TABLE 3-1

GROUNDWATER SAMPLING RESULTS

(27 July 1989)

| PARAMETER | CONCENTRATION (ug/l, unless otherwise noted) | | | | | | | | | | | | | |
|-----------------------------|--|-------|-------|-------------------|----------------------|----------|-------|--------------------|----------------------|--------|--------------------|-----------------------|--------|---------|
| | MAIN FILL | | | | | BACKFILL | | | FAR FILL | | | | | |
| | UPGRADIENT MW-1 | MW-2 | MW-3 | MW-4 ^a | DOWNGRADIENT MW-5 | MW-12 | MW-13 | UPGRADIENT MW-8 | DOWNGRADIENT MW-6 | MW-7 | UPGRADIENT MW-9 | DOWNGRADIENT MW-10 | MW-11 | TOGS |
| Al | 2,000 | 7,400 | 1,600 | 1,800 | 2,500 | 5,900 | 620 | 1,500 | 6,900 | 11,000 | 2,200 | 10,000 | 11,000 | - |
| Be | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 5 | 7 | <5 | <5 | <5 | 3 |
| Cd | <2 | 6 | 5 | 5 | <2 | 9 | 3 | <2 | 19 | 66 | <2 | 7 | 3 | 10 |
| Fe | 10,000 | 5,400 | 840 | 1,300 | 1,600 | 1,300 | 340 | 840 | 5,500 | 3,800 | 3,100 | 7,300 | 12,000 | 300 |
| Pb | 260 | 640 | 28 | 28 | 29 | 48 | 15 | 61 | 160 | 58 | 34 | 100 | 72 | 25 |
| Mn | 1,700 | 810 | 2,800 | 2,100 | 1,900 | 3,400 | 1,700 | 570 | 960 | 2,300 | 1,100 | 470 | 1,400 | 300 |
| Se | 5 | 200 | 9 | 8 | 60 | 9 | 120 | <5 | <5 | 7 | <5 | 660 | 380 | 20 |
| Zn | 20 | 230 | 1,100 | 180 | 60 | 560 | 60 | 2,500 | 2,500 | 1,200 | 30 | 130 | 80 | 5000 |
| Cr+6 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 50 |
| pH (SU) | 6.7 | 6.8 | 5.9 | 6.1 | 6.4 | 5.1 | 5.9 | 7.1 | 4.7 | 4.3 | 6.3 | 6.4 | 6.0 | 6.5-8.5 |
| Conductivity (umhos/in.) | 72 | 400 | 1171 | 335 | 548 | 671 | 572 | 500 | 301 | 887 | 47 | 209 | 285 | - |
| Turbidity (NTU) | 85 | 175 | 25 | 10 | 25 | 10 | 4 | 10 | 250 | 20 | 80 | 125 | 200 | - |

^aSample tested for volatiles and semivolatiles (none detected).

TABLE 2-2

TOTAL METALS IN 10-12 FT. MW13 SOIL SAMPLE

| <u>PARAMETER</u> | <u>CONCENTRATION</u> <u>(mg/kg)</u> |
|----------------------------------|--|
| <u>Priority Pollutant Metals</u> | |
| Antimony | <1 |
| Arsenic | 3.8 |
| Beryllium | 1 |
| Cadmium | 0.8 |
| Chromium | 5 |
| Copper | 13 |
| Lead | 18 |
| Mercury | <0.1 |
| Nickel | 17 |
| Selenium | <0.5 |
| Silver | 1 |
| Thallium | <1 |
| Zinc | 47 |
| <u>Other Metals</u> | |
| Aluminum | 6,500 |
| Iron | 14,600 |

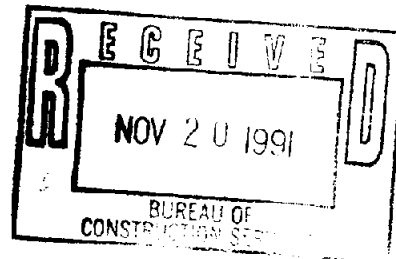
GLENN L. SMITH, P.E.
Consulting Engineer, P.C.

Licenses in New York, New Jersey and Pennsylvania

267 Broadway / P.O. Box 156
Monticello, New York 12701
Telephone: (914) 796-2216

Fax: (914) 796-2716

November 16, 1991



N.Y.S. Department of
Environmental Conservation
50 Wolf Rd.
Albany, NY 12333-7010

ATTN: Michael Mason,
Bureau of Construction Services -
Hazardous Waste Remediation

RE: Beaver Smelting Corp.,
(T) Fallsburg, Sullivan County

Dear Michael:

As we discussed in a telephone conversation last week, your office is essentially satisfied with the final stage of work completed at the Beaver Smelting project, based upon your last site inspection of October 31, 1991, except for final seeding on the two back ash sites, which will be completed in early Spring, 1992, as well as the minor placement of some additional stone rip-rap at the southerly end of the main fill cover, which should be done in the very near future. In this regard, please be advised that, based upon periodic site inspections performed by myself between November, 1990 and August, 1991, as well as periodic soils compaction testing performed at various locations of the main fill area, I will certify that the work was completed in substantial conformance with the "Site Remediation" plans and profiles, sheets #1-4, and "Remedial Plan" pages 1-12, prepared by "L.M. and S. Engineers", dated September 1988; as well as "As-Built Site Plan and Sections", drawing #1 of 1, dated July 29, 1991 and prepared by this office.

If you require any additional copies of the "As-Built" plan or other material, please feel free to contact me at your convenience. Thank you very much.

Very truly yours,

Glenn L. Smith, P.E.

GLS/cm

cc: Arthur Rosenshein



New York State Department of Environmental Conservation

MEMORANDUM

TO: Al Rockmore
FROM: Robert Knizek
SUBJECT: Beaver Smelting Site #3-53-005, Sullivan County
January 27, 1992

RC Knizek

DATE:

This is to certify that remedial action at the above referenced site was completed in accordance with the approved remedial plan and consent order.

cc: R. Pergadia - NYSDEC Region 3
M. Mason

EXHIBIT C
of Consent Order
FUTURE ENVIRONMENTAL MONITORING
AT BEAVER SMELTING SITE

I. NEW MONITORING WELLS

The monitoring wells and their locations are shown on Exhibit 1 to the Approved Remedial Plan. The locations for MW12 and MW13 are approximate locations. The monitoring wells are numbered MW1 through MW13.

II. SAMPLING REQUIREMENTS

Sampling will be conducted as follows:

1. A minimum of three well volumes will be purged prior to sampling except that purging will cease if the well is evacuated. The purge water will be discharged to the ground nearby the well.
2. Following purging, the well will be allowed to recover to within 75 percent of its original water column depth prior to sampling except that in the case of slow recovering wells that require more than 4 hours to recovery, e.g., MW8, sampling will proceed prior to this target recovery.
3. Sampling will be conducted with a laboratory cleaned bailer or with a peristaltic pump and dedicated Tygon, silicon, polyethylene, or similar tubing.
4. Static water levels will be recorded prior to purging, following purging and prior to sampling.

Sample chain-of-custody will be documented.

III. ANALYTICAL REQUIREMENTS

Well water samples will be analyzed on-site for pH and conductivity and for the parameters specified below by USEPA approved methods in a New York certified laboratory.

IV. FREQUENCY AND DURATION

The wells will be sampled and the samples will be analyzed as specified below:

| PARAMETER | DETECTION LIMIT (ug/l) | WELLS TO BE MONITORED | |
|---------------------|------------------------------|-----------------------|--------------------|
| | | ALL WELLS | MW 3,4 & 5 ONLY |
| Aluminum | 100 | X | |
| Beryllium | 1 | X | |
| Cadmium | 5 | X | |
| Iron | 100 | X | |
| Lead | 5 | X | |
| Manganese | 20 | X | |
| Selenium | 5 | X | |
| Hexavalent Chromium | 10 | | X |

Sampling will commence within six months following approval by the State of implementation of the Approved Remedial Plan. Sampling will then proceed on a quarterly basis for the remainder and for the following year (Year 2). During Year 3, sampling will

proceed on a semi-annual basis. After Year 3, responsibility for sampling and analysis responsibility will shift to State and will proceed as determined necessary by the State.

Only monitoring wells numbered 3, 4 and 5 will be sampled for hexavalent chromium. If hexavalent chromium is detected in two consecutive sampling events, for the remainder of the program, monitoring wells numbered 12 and 13 will also be sampled for hexavalent chromium.

V. REPORTING

Within six weeks following the sampling, a report will be mailed to:

New York State Department of
Environmental Conservation
50 Wolf Road
Albany, New York 12233

The report will include field data sheets and a laboratory report.

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233



Thomas C. Jorling
Commissioner

JAN 14 1993

This letter was sent to the people on the attached list

Re: Beaver Smelting, Site #353005

Dear:

Under provisions of the New York State Environmental Conservation Law, the Department of Environmental Conservation maintains a Registry of sites which have been used for the disposal of hazardous waste. Property located at Beaver Lane in the Hamlet of Woodbourne and County of Sullivan and designated as Tax Map Numbers 16-1-8 and 14-1-25.7 was recently reclassified in the Registry. This notice of this recent action is being sent to you pursuant to the regulations governing the management of this program. Notice must be given to clerks of the county, the town or city (as the case may be), and (where located in one) the village, within which the site is located, and adjacent property owners.

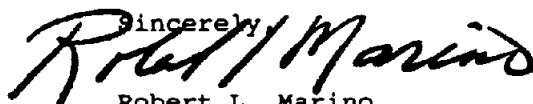
The reason for this recent Department action is as follows:

- The smelter ash has been consolidated into the main fill, capped with clay and seeded.

The remedial work has been completed as per the plans and specifications and the long-term monitoring program is underway.

To help you better understand the significance of the site classification, enclosed is a brief description of each classification code and a two page summary of the subject site, as it appears in the Registry. For more information about this site or general information about the Inactive Hazardous Waste Site Remediation Program, please call 1-800-342-9296 toll free.

Attention Property Owners: If the property you own has been leased to someone else, please pass this notice on to the lessee. If you no longer own the property near the subject site, please provide this notice to the new owner and provide this office with the name and address of the new owner so that we can correct our records.

Sincerely,


Robert L. Marino
Chief
Site Control Section
Bureau of Hazardous Site Control
Division of Haz. Waste Remediation

Enclosure

bcc: w/o enc.
R. Marino
J. Swartwout
E. O'Dell, R/3
L. Beagle

w/enc.
L. Ennist

LB/AS/srh