OTHER ADDRESSEES · FOR INFORMATION

CC: J. Johnson
P. Tandler
File

1104

153888

CERRO COPPER PRODUCTS CO.

A member of The Marmon Group of companies

INTERNAL MEMORANDUM

HQ-10 SHOW NAME, TITLE AND UNIT OF ADDRESSEE AND ADDRESSOR

TO: Roy Brown

DATE: December 12, 1980

FROM: John Schuster

SUBJECT: Well Water Analysis

The sample of Cerro Well Water submitted was analyzed for pH, Iron, Copper and Sludge content. The results are given below:

pH	6.5
Fe	594 ppm
Cu	0.2 ppm
Sludge	1.34 gm/liter

John Schuster
Laboratory Director

JS/rs

C03571

1104 / Robinson File

November 3, 1980

Mr. Frank D. Illingworth, Jr.
Project Manager
Booker Associates, Inc.
10251 Lincoln Trail
Post Office Box 3199
Fairview Heights, Illinois 62208

Dear Mr. Illingworth:

We are pleased to respond to your request for information regarding our underground sewer facilities, as relates to the American Bottoms Study. In response, we are enclosing a print showing all of our sewer mains. The red marks indicate changes and elevation of inverts with mean sea level as a reference.

If we may be of further assistance, please feel free to call upon us.

Yours very truly,

s/ Roy W. Brown

Roy W. Brown
Facilities Engineer

RWB:paw

cc: Mr. Paul Tandler
Mr. Jim Johnson

Enclosure:

C03572

Booker
Engineers Architects Planners

Booker Associates, Inc.
10251 Lincoln Trail
P.O. Box 3199
Fairview Heights, Illinois 62208

Cables: Bookconeng
(618) 397-3000

September 30, 1980

Mr. Roy Brown
Cerro Copper & Brass Company
P.O. Box 681
East St. Louis, IL 62202

Re: Data Collection
Underground Utilities
Economic Analysis of American Bottoms
Corps of Engineers
Booker Project No. E-1770

Dear Mr. Brown:

As per your telephone conversation of September 29, 1980, with Michael North, this letter will provide a brief description of what we are doing for the Corps of Engineers and what information we desire.

The U.S. Corps of Engineers is on the process of completing an Economic Analysis of the American Bottoms Groundwater Study (Reconnaissance Report, American Bottoms Groundwater Study, August, 1979, Corps of Engineers).

Booker Associates, Inc., St. Louis-based engineer, architects, and planners, has contracted with the Corps of Engineers, St. Louis District, to inventory available data concerning certain types of sewers in the American Bottoms area. This data will be used in the analysis. The American Bottoms are bounded by the Mississippi River on the west, the river bluffs on the east, Alton on the north, and Dupo on the south. This level flood plain is approximately 175 square miles in area, being roughly 30 miles in length and some 11 miles in width.

Booker will be gathering information on sanitary sewers, eight inches or greater in diameter; storm or combined sewers, twelve inches or greater in diameter; location of waste water plants, and pumping stations, all the preceding located in American Bottoms area.

The information we are requesting from you is for the Cerro Copper & Brass Company.

The information on the sewer system we desire for our study are the following:

1. Size
2. Type of pipe
3. Joint material (if known)
4. Year pipe was installed (if known)
5. Depth of pipe (if known)
6. Problem area due to high ground water, etc. (if known)
7. Is system storm, sanitary, or combined
8. Location

I hope the information set forth in this letter will give the information you desired. We will greatly appreciate your cooperation in this study.

Very truly yours,

BOOKER ASSOCIATES, INC.

Frank D. Illingworth by MRW

Frank D. Illingworth, Jr., P.E.
Project Manager

FDI:mrw

1104

cc: P. Tandler
R. Brown

October 9, 1980

Nalco File

J. C. Johnson

Cerro Waste Treatment

A meeting was held with Nalco Chemical Co. representatives to determine the feasibility of utilizing their organization to assist Cerro in the reduction of our effluent treatment.

Cost

Our intention was to develop a study to determine if it was feasible to have some form of pretreatment in the plant.

A general overview of our operation and its association with the Sauget Waste Treatment Facility was provided for Mr. Andrew J. Young, Senior Consultant, Water and Waste Treatment for Nalco and Mr. Steven Harris, Area Manager for Water Treatment Chemicals for Nalco.

Our volumetric flow was defined as 700 gallons per minute consisting of 450 GPM as anode quench water, 100 GPM from Building 19 contaminated with graphite, 50 GPM of acid waste from our refinery and air pollution control systems and 100 GPM of water contaminated with oil from our tube mill. After considerable discussion on this subject, Mr. Young summarized his recommendations by saying that he believed that we should make every effort to work toward volume reduction as a prime objective. That we should stay away from becoming a treater of our waste and utilize the advantage of the public owned waste treatment facility that we currently have. His major reason for this recommendation was the Resource Conservation and Recovery Act, commonly known as RCRA, that was passed by Congress in 1976 and has been surfacing since May of 1980.

Mr. Young indicated that we have the potential of hazardous waste in this plant. This is from the interpretations that are evolving as a result of RCRA. This could place a significant cost on compliances that would far outweigh the Sauget Waste Treatment Facility cost.

It was his recommendation that we should concentrate on

(1) Reducing our volume through re-cycle;

(2) That we consider increased concentrations in our present re-cycle system by utilizing better chemicals and monitoring, and therefore reduce our blow down,

(3) Work to capture our solids within our operation and,

(4) As a last step, consider re-cycle of our solids within the process.

We are generally in agreement with this position and believe that there is no further benefit to be gained by working to involve an outside engineering firm in our waste reduction program at this time.

It will be our objective to take our major volume and concentrate on re-cycling of anode quench water. This should be scoped out by Cerro Engineering.

s/J. C. Johnson

J. C. Johnson

JCJ/paw

1104

SAUGET

SANITARY DEVELOPMENT & RESEARCH ASSOCIATION
MOBILE AVENUE
SAUGET, ILLINOIS 62201

August 7, 1980

Mr. Paul Tandler
Cerro Copper Co.

Mr. Ralph Wigger
Amax Zinc

Dear Sirs:

Please advise if your respective plants have either of the following going to the Municipal Sewer system:

1) Flotation tailings from selective flotation from mineral metals recovery operations.

2) Dewatered air pollution control scrubber sludges from coke ovens and blast furnaces.

This information is needed for the Treatment Plant's RCRA notification form. May I have an answer by August 12th?

Thanks.

Sincerely,

Steven D. Smith
Treasurer

8/8/80
None Apply.
Verbal To Steve.

adm

C03577