

IOWA DEPARTMENT OF NATURAL RESOURCES
Legal Services Bureau

DATE: September 21, 1990

TO: Al Tompkins
Bob Drustrup ✓

FROM: Mark Landa

SUBJECT: Woolstock Pit

Enclosed are the most recent analytical results from the monitoring well samples at the Woolstock Pit. Could you please review this new information and compare it to that already submitted, so that we make some recommendations (again) on this site. Thanks.



September 6, 1990

Ag Processing, Inc.
 P.O. Box 85
 Eagle Grove, Iowa 50533

ATTN: Mr. Phil Huffman

RE: MONITOR WELL SAMPLING FOR WOOLSTOCK PIT
 GSI# 371A015

Dear Mr. Huffmann:

Enclosed are the results of water samples taken from the three perimeter monitor wells at Woolstock Pit July 30, 1990. Ground water levels were taken for all wells prior to purging. The results of those measurements appear in the table below.

TABLE 1. WATER LEVEL DATA

WELL#	GROUND ELEVATION	TOR* ELEV.	DEPTH TO WATER TOR	WATER TABLE ELEVATION
MW-1	1068.3	1071.3	10.36	1060.94
MW-2	1063.9	1066.9	6.01	1060.89
MW-3	1074.7	1077.03	14.69	1062.38
MW-4	1070.7	1072.63	15.62	1057.01
MW-5	1072.0	1073.63	17.02	1056.61

*TOR-Top of Riser pipe

GEOTECHNICAL ENGINEERS & GEOLOGISTS

5730 SOUTH 86TH CIRCLE
 OMAHA, NEBRASKA 68127
 TELEPHONE (402) 339-6104

AMES • IOWA CITY • SALINA •
 LINCOLN • GRAND ISLAND •
 DENVER • COLORADO SPRINGS



Based on these water level readings, water flow direction is to the north-northwest.

If you have any question, please call Fred Jones or myself. Thank you.

Respectfully,
GEOTECHNICAL SERVICES, INC.

A handwritten signature in cursive script, appearing to read 'Gary H. Guttau'.

Gary H. Guttau
Environmental Scientist

Reviewed and submitted by,

A handwritten signature in cursive script, appearing to read 'Fred Jones'.

Fred Jones
Project Manager

Attachments

Copy: Mr. John Shepard
Ag Processing, Inc.

Mr. Mark Landa
Iowa Department of Natural Resources

REC'D AUG 21 1990

HET

HARRIS ENVIRONMENTAL TECHNOLOGIES, Inc.

August 20, 1990

Gary H. Guttau
Geotechnical Services, Inc.
5730 South 86th Circle
Omaha, Nebraska 68127

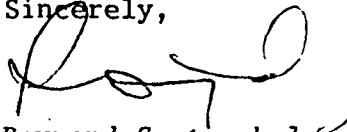
RE: HET Study No. 51965
G.S. Job No. 371A015 - AGP Woolstock Pit

Dear Gary:

Enclosed is our report for three (3) water samples analyzed for RCRA metals and pH. Also enclosed is a copy of the Chain of Custody Record.

If there are any questions, please feel free to call at (402) 475-5968, ext. 255.

Sincerely,



Raymond Szytenchelm
Technical Coordinator

RS:dw
Encl.

Harris Environmental Technologies, Inc.



627 Rose Street
P.O. Box 83408
Lincoln, NE 68501
402-475-5968
FAX 402-476-7598

Statement of Quality

This report has been reviewed by the Quality Control Department of Harris Environmental Technologies, Inc. The reported results accurately reflect the raw data of the study.

Keith Clark
Quality Control Officer

August 20, 1990
Date

Geotechnical Services, Inc.

Client

51965

Study Number

HET STUDY NO.: 51965 - G.S. Job No. 371A015
CLIENT: Geotechnical Services, Inc. - AGP Woolstock Pit
METHOD: EPA 9040.

pH RESULTS

<u>HET ID</u>	<u>Client ID</u>	<u>pH</u>
14458	MW-3	6.7
14459	MW-4	6.5
14460	MW-5	6.8

HET STUDY NO.: 51965 - G.S. Job No. 371A015
CLIENT: Geotechnical Services, Inc. - AGP Woolstock Pit
METHOD: SW846, 3050. SOP 18.03.048.

TOTAL METALS RESULTS
(WATER)

<u>HET ID</u>	<u>Client ID</u>	<u>Cadmium ($\mu\text{g/L}$)</u>	<u>Chromium ($\mu\text{g/L}$)</u>	<u>Lead ($\mu\text{g/L}$)</u>	<u>Barium ($\mu\text{g/L}$)</u>
Detection Limit (D. L.)		1.0	1.0	10.0	1.0
14458	MW-3	2.7	1.4	< D. L.	163
14459	MW-4	< 1.0	1.6	10.1	197
14460	MW-5	1.8	7.0	18.4	234

HET STUDY NO.: 51965 - G.S. Job No. 371A015
CLIENT: Geotechnical Services, Inc. - AGP Woolstock Pit
METHOD: SW846, 3050. SOP 18.03.048.

TOTAL METALS RESULTS
(WATER)

<u>HET ID</u>	<u>Client ID</u>	<u>Mercury ($\mu\text{g/L}$)</u>	<u>Selenium ($\mu\text{g/L}$)</u>	<u>Silver ($\mu\text{g/L}$)</u>	<u>Arsenic ($\mu\text{g/L}$)</u>
Detection Limit (D. L.)		0.5	10.0	0.5	5.0
14458	MW-3	0.5	< D. L.	< D. L.	< D. L.
14459	MW-4	0.7	< D. L.	< D. L.	< D. L.
14460	MW-5	0.9	< D. L.	< D. L.	6.4



Geotechnical Services Inc.

SAMPLE TRANSMITTAL CHAIN OF CUSTODY RECORD

Project AGP WOOLSTOCK PIT

Location SW 1/4 of Sec 25 Twp 72N Wright Co.

Job Number 371A015

Date July 30, 1990

BILL TO: Geotechnical Services Inc.

COPIES TO:
GEOTECHNICAL SERVICES, INC.
5730 South 86th Circle
Omaha, Nebraska 68127
ATTN: Gary H. Guttau
(402) 339-6104

TYPE OF SAMPLE: Soil Water

Sample I.D.

Test Requested

MW-3

EPA 3050 - BBPRA Metals & pH

MW-4

" " " " "

MW-5

" " " " "

Relinquished By:

Received By:

Gary H. Guttau

SIGNATURE

July 30, 1990

DATE

Ricky J. Terry

SIGNATURE

7/31/90

DATE

Gary H. Guttau

NAME (Printed)

GSI

COMPANY

REAR J. SHERK

NAME (Printed)

HET

COMPANY

SIGNATURE

DATE

SIGNATURE

DATE

NAME (Printed)

COMPANY

NAME (Printed)

COMPANY

SIGNATURE

DATE

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