DM Fertilizer

70970.101

File I.1

US EPA RECORDS CENTER REGION 5

985372

FIELD BOOK

FB 802

DM Fertilizer SSI
Project No. 70970.101

B&V Waste Science and
Technology Corp.
101 N. Wacker Suite 1100
Chicago, IL 60606
312/346-3775

The paper in this book is
made of 50% high grade rag stock with
a WATER RESISTING surface sizing.

CONTENTS

PAGE NO.	REFERENCE	DATE
1-5	Reconnaissance Visit	10/12/93

John Chitwood
10/12/93

①

0920 Arrive in area around DM Fertilizer. Temperature in lo 50's, sunny. Recon Route 3 to one mile south of site. No residences or other groundwater targets observed in this stretch of Route 3. Land use south of site: between C.M.St.P.LP RR and Route 3 is harvested soybean field, west of route 3 is corn field. to half mile south; corn on both sides of route 3 from 1/2 mi to 1 mi south of site. A pair of northeast- to southwest trending natural gas pipelines are located about 1/4 mi south of the site.

0940 Arrive at 2 residences about 1/4 mi west of the site along route 9. North residence is home of redacted exemption 6 redacted exemption 6

0945 Spoke w/ redacted exemption 6. He has a drinking water well approximately 200 to 210 feet deep. redacted exemption 6

John Chitwood
10/12/93

②

John Whitwood
10/12/93

[redacted exemption 6] well is in the yard about 30 ft east of the house. It is a 4 in diameter well. A hydrant is located about 10-15 ft east of the back door. [redacted exemption 6] was advised he would incur no expense for our sampling and could get a copy of the results. He agreed to allow us to sample his well. 1005 1010

950
~~1050~~
JPC
10/12/93
~~105~~

Note Rt 3 is also known as Antioch Rd. Arrive at residence less than 1/8 mi east of site on north side of Rt 9. [redacted exemption 6] on mailbox.

[redacted exemption 6]

Agreed to let us sample. She stated their water has an odor and ~~of~~ tastes bad after wet periods. Depth unknown Well is about 40 ft north of house (slightly northwest). [redacted exemption 6] moved in recently and rent the home. Water is softened, but [redacted exemption 6] 1015

John Whitwood
10/12/93

John Chitwood
10/12/93

does not know if plumbing is arranged so outside hydrants ~~us~~ tap into the softener.

1005 Photo I, southwest view of site from [redacted] Residence, S. Mahay photo.

1010 Observed sw drainage pathway. Site overland flow appears to collect in ditches along rts 3 and 9, then flow north through reinforced concrete box (RCB) under rt 9, thence northward through open farm ground via a north trending depression w/o any defined channel to (apparently) the north fork of the Vermilion River. Water ~~was~~ is standing in the ditch southeast of the rt 3 and rt 9 intersection. No flow observed in ditch.

1015 observe north end of rt 9 RCB. A retaining wall made of guard rail and gravel/boulders is in the fence line. A drain collects surface water impounded by the retaining wall, the drains outlet location is not known. Water is flowing through the culvert

John Chitwood
10/12/93

④

John Chitwood
10/12/93

into the drain.
Photo 2. North view of overland flow route thru field.

1020 [redacted exemption 6] crosses rt 9 to see what we are doing. I informed him we are documenting surface water pathways and groundwater use in the area. I asked if he is still in contact with the Illinois Fertilizer Association - he said yes and some girl is supposed to be out here soon. I asked if she was from the IEPA and he said yes. Mr. Masee also stated everyone in the area uses groundwater from private wells. [redacted] then returned.
Photo 3. Northwest view of grate at end of Rt 9 RCB. S Mabry photo

1025 Area land use north of site is agricultural, corn to northwest, grass covered fallow ground directly north of rt 9.

John Chitwood
10/12/93

John C Whitwood
10/12/93

Harvested bean field east of C.M.St.P.&P RR tracks, south of Rt 9.

1030 Reconnitor Cheneyville, wells observed at ~~one~~ two homes, others may not be visible from Cheneyville Road.

1040 Reconnitor surface water pathway ~~near~~ south of abandoned New York Chicago & St. Louis ~~Central~~ RR and west of CMSt.P&P RR tracks in north half of SW 1/4 Sec 9. Numerous small depressions w/ drowned out vegetation observed in corn field; however, no well defined drainage pathway ~~observed in~~ to the river is f existing corn field. Overland flow apparently reaches river w/in 1/4 mi south of RR bridge near center of Sec 9, after ~~taking~~ flowing through fields north of site.

JCW 10/12/93

10/12/93

1200 Depart site area.

John C Whitwood
10/12/93

John C Whitwood
10/12/93