UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Site: Syntex-Verona
ID #: MOD007452154
Break: 10.1
Other:
2-26-80

DATE: February 26, 1980

SUBJECT: Verona Investigation - Private Well Sampling

FROM: Daniel J. Harris
Sanitary Engineer, EP&R/SVAN

TO: Renelle Rae
Attorney, LEGL/ENFC

During the Verona area investigation of October, 1979, one well was sampled. This memorandum transmits the priority pollutant data resulting from that sampling. Particulars on the well are as follows:

Owner: [redacted]

Type of well: Private
Depth: 160 feet
Age: Drilled approximately 1966
Capacity: 10 GPM
[redacted]
Sample Date: October 25, 1979

The attached figure shows the location of this well in relation to the Syntex trenches.

An examination of the attached data would indicate that, with the exception of methylene chloride and some metals, all parameters were below laboratory detection limits. In addition, via separate memo, the laboratory branch has informed me that dioxin was not found at a detection limit of one per trillion.

We see nothing of concern in this data and suggest that you take appropriate steps to notify the owner of our findings. It should be pointed out to [redacted] that no bacteriological tests were performed on the samples and that we cannot vouchsafe the well from bacterial contamination.

[redacted]k was interviewed during the October investigation and it is suggested that his name and location not be associated with any public release of this data which you may choose to make.

Attachments

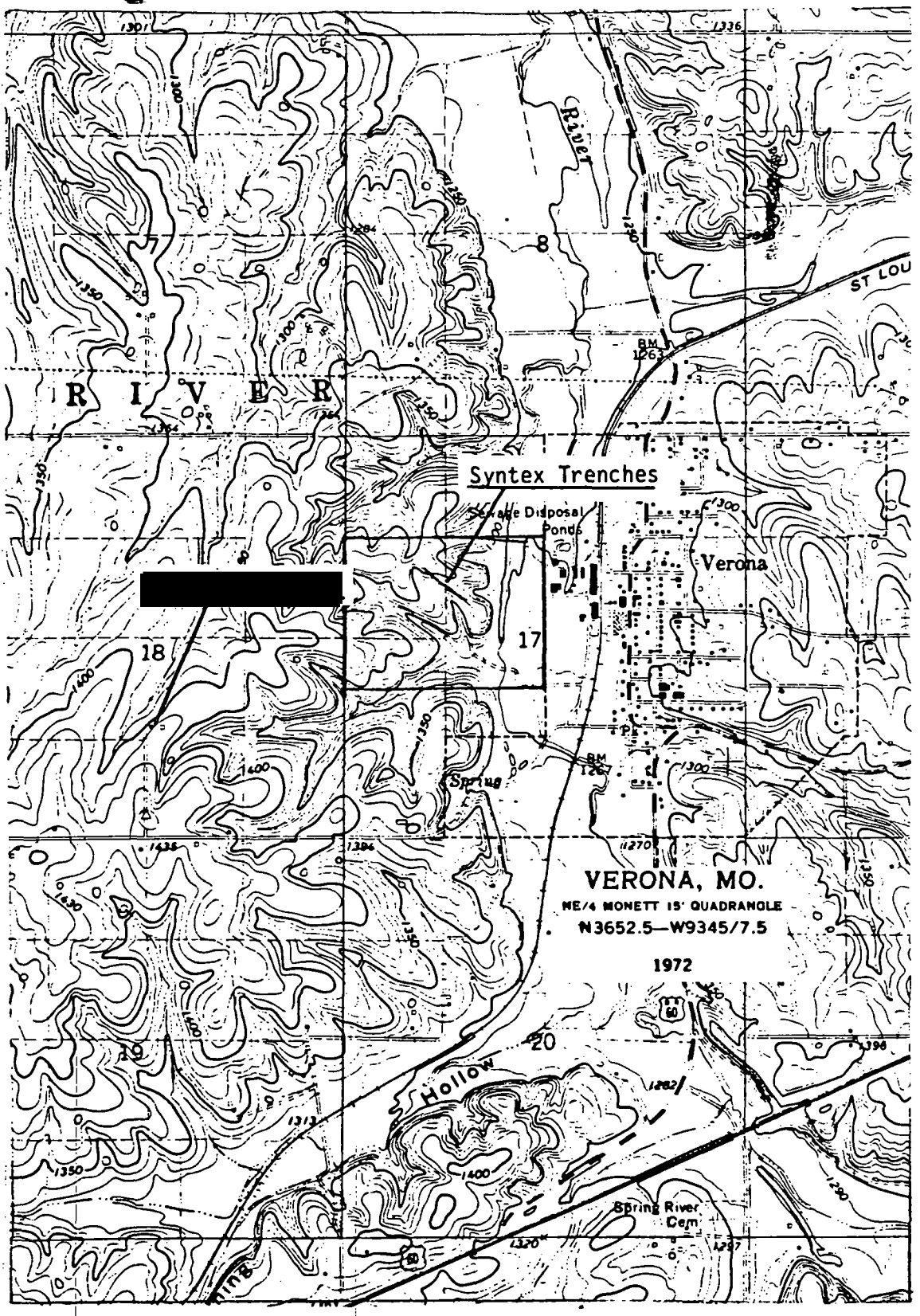
cc: Robert Morby HAZM/ARHM
Dan Harris
Phil Keary

30289895

[redacted]

EPA Form 1320-6 (Rev. 3-76)

7 01002


R I V E R
River
Syntex Trenches
Sewage Disposal Ponds
Verona
[redacted]
18
17
8
19
20
Spring
Hollow
Spring River Cem
ST LOU
BM 1263
BM 1267
VERONA, MO.
NE/4 MONETT 15' QUADRANGLE
N3652.5—W9345/7.5
1972

[redacted]

PRIORITY POLLUTANTS: Volatile Fractions

ANS001, UCROWA [redacted] Brady well ug/l

Store Number	CAS Registry Number	Compound Name	ANS001											
34210	107-02-8	Acrolein	<59											
34215	107-13-1	Acrylonitrile	<19											
34418	74-87-3	Chloromethane	<25											
32105	75-71-8	Dichlorodifluoromethane	<20											
34413	74-83-9	Bromomethane	<20											
39175	7501-4	Vinyl chloride	<20											
34311	75-00-3	Chloroethane	<25											
34423	75-09-2	Methylene chloride	15											
34488	75-69-4	Trichlorofluoromethane	<1											
34501	75-35-4	1,1-Dichloroethylene	<1											
34496	75-34-3	1,1-Dichloroethane	<1											
34546	540-59-0	trans-1-2-Dichloroethylene	<1											
32106	67-66-3	Chloroform	<1											
34531	107-06-2	1,2-Dichloroethane	<1											
34506	71-55-6	1,1,1-Trichloroethane	<1											
32102	56-23-5	Carbon Tetrachloride	<1											
32101	75-27-4	Bromodichloromethane	<1											

PRIORITY POLLUTANTS: [illegible]atile Fractions

Storet Number	CAS Registry Number	Compound Name	Sample Number											
			AU5601											
34283	542-83-1	Bis-chloromethyl ether	↑											
34541	78-87-5	1,2-Dichloropropane	<1											
34030	71-43-2	Benzene	<1											
34561	542-75-6	Trans-1,3-Dichloropropene	<1											
39180	79-01-6	Trichloroethylene	<1											
34561	542-75-6	Cis-1,3-Dichloropropene	<1											
34306	124-48-1	Dibromochloromethane	<1											
34511	79-00-5	1,1,2-Trichloroethane	<1											
34576	110-75-8	2-Chloroethyl vinyl ether	<1											
32104	75-25-2	Bromoform	<1											
34516	127-18-4	1,1,2,2-Tetrachloroethene	<1											
34010	108-88-3	Toluene	<1											
34475	79-34-5	1,1,2,2-Tetrachloroethane	<1											
34301	108-90-7	Chlorobenzene	<1											
34371	100-41-4	Ethyl benzene	<1											
00026		STORET IDENTIFIER	1979	1979	1979	1979	1979	1979	1979	1979	1979	1979	1979	197
7 01002														

AN50

PRIORITY POLLUTANTS: Base/Neutrals

µg/liter

Green List Number	CAS Registry Number	Compound Name	STORET Parameter Code Number	AN5001 Sample Number 01						
26	541-73-1	1,3-Dichlorobenzene	34566	<3						
27	106-46-7	1,4-Dichlorobenzene	34571	<3						
25	95-50-1	1,2-Dichlorobenzene	34536	<3						
12	67-72-1	Hexachloroethane	34396	<3						
18	111-44-4	Bis-(2-chloroethyl ether)	34273	<4						
42	39638-32-9	Bis-(2-chloro isopropyl) ether	34283	<8						
63	621-64-7	N-Nitrosodi-n-Propylamine	34428	<30						
54	78-59-1	Isophorone	34408	<10						
56	98-95-3	Nitrobenzene	34447	<8						
52	87-68-3	Hexachlorobutadiene	34391	<8						
8	129-82-1	1,2,4-Trichlorobenzene	34551	<5						
55	91-20-3	Napthalene	39250	<2			JWD 1-31-80			

7 01002

PRIORITY POLLUTANTS: Base/Neutrals

Green List Number	CAS Registry Number	Compound Name	STORET Parameter Code Number	ANS001 Sample Number 01						
43	111-91-1	Bis-(2-chloroethyoxy) methane	34278	—						
58	77-47-4	Hexachlorocyclopentadiene	34386	<90						
20	91-58-7	2-Chloronapthalene	34581	<2						
77	208-96-8	Acenaphthylene	34200	<8						
36	606-20-2	2,6-Dinitrotoluene	34626	<10						
1	83-32-9	Acenaphthene	34205	<8						
71	131-11-3	Dimethylphthalate	34341	<3						
80	86-73-7	Fluorene	34381	<3						
40		4-Chloro-phenyl phenyl ether	34641	<10						
35	121-14-2	2,4-Dinitrotoluene	34611	<10						
37	122-66-7	1,2-Diphenyl-hydrazine and/or Azobenzene	34346	<10						
70	84-66-2	Diethylphthalate	34336	<3						

PRIORITY POLLUTANTS: Base/Neutrals

Green List Number	CAS Registry Number	Compound Name	STORET Parameter Code Number	AN5001 Sample Number 01						
62	86-30-6	N-Nitrosodiphenylamine and/or Diphenylamine	34433	<7						
9	118-74-1	Hexachlorobenzene	39700	<9						
41	101-55-3	4-Bromophenyl phenyl ether	34636	<9						
81 and 78	85-01-8 120-12-7	Phenanthrene and/or Anthracene	34461	<3						
68	84-74-2	Di-n-butyl-phthalate		<2						
39	206-44-0	Fluoranthene	34376	<3						
84	129-00-0	Pyrene	34469	<3						
5	93-87-5	Benzidine	39120	<25						
67	85-68-7	Butyl-benzyl-phthalate	34292	<2						
66	117-81-7	Bis-(2-ethylhexyl) phthalate	39100	<2						
76 and 72	218-01-9 56-55-3	Chrysene and/or Benzo(a)Anthracene	34526	<5						
74 and 75	205-99-2 207-08-9	Benzo(b)Fluoranthene and/or Benzo(k)Fluoranthene	34242	<10						

PRIORITY POLLUTANTS: Base/Neutrals

Green List Number	CAS Registry Number	Compound Name	STORET Parameter Code Number	ANS001 Sample Number 01						
28	91-94-1	3,3'-Dichlorobenzidine	34631	<15						
69	117-84-0	Di-n-octyl phtalate	34596	<3						
73	50-32-8	Benzo(a)Pyrene	34247	<20						
83	193-39-5	Indeno(1,2,3-cd)-pyrene	34403	<20						
82	53-70-3	Dibenzo(a,h)-Anthracene	34556	<20						
79	191-24-2	Benzo(g,h,i)perylene	34521	<20						
61	62-75-9	N-Nitrosodimethylamine								

AN50

ug/L

PRIORITY POLLUTANTS: Acid Extractables

Green List Number	CAS Registry Number	Compound Name	STORET Parameter Code Number	Sample Number AN5001						
65	108-95-2	Phenol	32730	<1						
24	95-57-8	2-Chlorophenol	34586	<1						
57	88-75-5	2-Nitrophenol	34591	<3						
34	105-67-9	2,4-Dimethylphenol	34606	<2						
31	120-83-2	2,4-Dichlorophenol	34601	<2						
22	59-50-7	p-chloro-m-cresol	34452	<2						
21	88-06-2	2,4,5-Trichlorophenol	34621	<2						
59	51-28-5	2,4-Dinitrophenol	34616	<40						
58	100-02-7	4-Nitrophenol	34646	<40						
60	534-52-1	4,6-Dinitro-o-cresol	34657	<10						
64	87-86-5	Pentachlorophenol	39032	<5						
				William Burn 2-1-80						

7 01002

VERONA STUDY

INDUCTIVELY COUPLED PLASMA TOTAL METAL DATA

GRS 284 15 JAN 80

LAB NUMBER	AN5001
SILVER UG/L	4
ALUMINUM UG/L	45
ARSENIC UG/L	< 50
BARIUM UG/L	38
BERYLLIUM UG/L	< 2
CADMIUM UG/L	< 2
CHROMIUM UG/L	< 5
COPPER UG/L	7
IRON UG/L	< 50
MANGANESE UG/L	< 2
NICKEL UG/L	< 10
LEAD UG/L	< 20
ANTIMONY UG/L	< 50
SELENIUM UG/L	< 50
THALLIUM UG/L	<100
ZINC UG/L	427
CALCIUM MG/L	61
MAGNESIUM MG/L	5
SODIUM MG/L	3
MERCURY UG/L	<0.2

AN50

PRIORITY POLLUTANTS: Pesticide Fraction

µg/l

STORET NUMBER	CAS REGISTRY NUMBER	Compound Name	Sample Number AN5001					
34356	33213-65-9	β-Endosulfan	<.06					
39337	319-84-6	α-BHC	<.01					
39782	58-89-9	γ-BHC	<.01					
39338	319-85-7	β-BHC	<.01					
39330	309-00-2	Aldrin	<.02					
39410	76-44-8	Hepatachlor	<.02					
39420	1024-57-3	Heptachlor epoxide	<.02					
34361	959-98-8	α-Endosulfan	<.03					
39380	60-57-1	Dieldrin	<.03					
39320	72-55-9	4,4'-DDE	<.04					
39310-	72-54-8	4,4'-DDD	<.06					
39300	50-29-3	4,4'DDT	<.1					
39390	72-20-8	Endrin	<.05					
34351	1031-07-8	Endosulfan sulfate	<.2					

Carol L. Campbell

2/1/80

PRIORITY POLLUTANTS: Pesticide Fraction

STORET NUMBER	CAS REGISTRY NUMBER	Compound Name	Sample Number					
			AN5001					
34259	319-86-8	δ-BHC	<.02					
39350	57-74-9	Chlordane	<.2					
39400	8001-35-2	Toxaphene	<3.0					
39496	53469-21-9	PCB-1242	<.2					
39504	11097-69-1	PCB-1254	<.4					
39488	1104-28-2	PCB-1221	<.3					
[illegible]2	11141-16-5	PCB-1232	<.07					
39500	12672-29-6	PCB-1248	<.3					
39508	111096-82-5	PCB-1260	<.5					
34671	12674-11-2	PCB-1016	<.2					
34675	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	<.1					
34366		Endrin aldehyde	<.2					