OH-0293-09

R5-8512-06

VERNON McMILLAN Inc.

THE ROYAL LINE

COMPOSITIONS

Log Book: Chemical Recovery Systems Inc; Black River Samples

TDD: R05-8512-06

WSTS-OH0293

2-5-86

2-5-86 ITINERARY

At the request of Erin Moran, USEPA, OSC, ~~KPT~~ collected 3 surface water samples of the Black River in the vicinity of Chemical Recovery Systems Inc. of Elyria Ohio on Wednesday, February 5, 1986. The samples were collected for analysis of organic and inorganic RAS parameters. Sample locations were chosen based on guidelines provided by USEPA AND the conditions found at the site. Team members are Dave Vaughn, Pat Petrella and Mark Lunsford.

The FIT team left Chicago on a 6:45 am flight to Cleveland on 2-5-86. The flight was delayed ½ hour at O'Hare and another ½ hr. at Cleveland due to foggy conditions. After a ½ hr over Cleveland the fog still remained and the flight was rerouted to Pittsburgh for refueling. We returned to Cleveland, landing at approximately 11:50 AM EST, ≈3 hours late.

To avoid having to ship nitric acid to

fix samples, I arranged with USEPA, EDO to borrow some. with Rich Wroblehoffer. He gave me direction on how to get to their office + that we could borrow some acid. The team left the airport for the Lab. On the way, 2 stops were made in an attempt to purchase vermiculite since the 2 stores previously contacted from Chicago ~~we~~ turned out to be 40 minutes out of our way. Due to our delays, I felt this to be some way of saving time. FIT arrived at the EDO approx. 12:20 pm w/o any vermiculite. We got the acid + proceeded to the site. Mr. Phil Behring provided us with the acid.

FIT arrived at the site approx. 2:45 pm after a 25 min lunch break. The gate was locked. We looked for an access to the river bank from offsite + off of anyone else's property. Downstream of the site stretched a cliff for approximately ¼ to ½ mile. ~~and~~ approx. 25' from the road ~~and~~ level to the

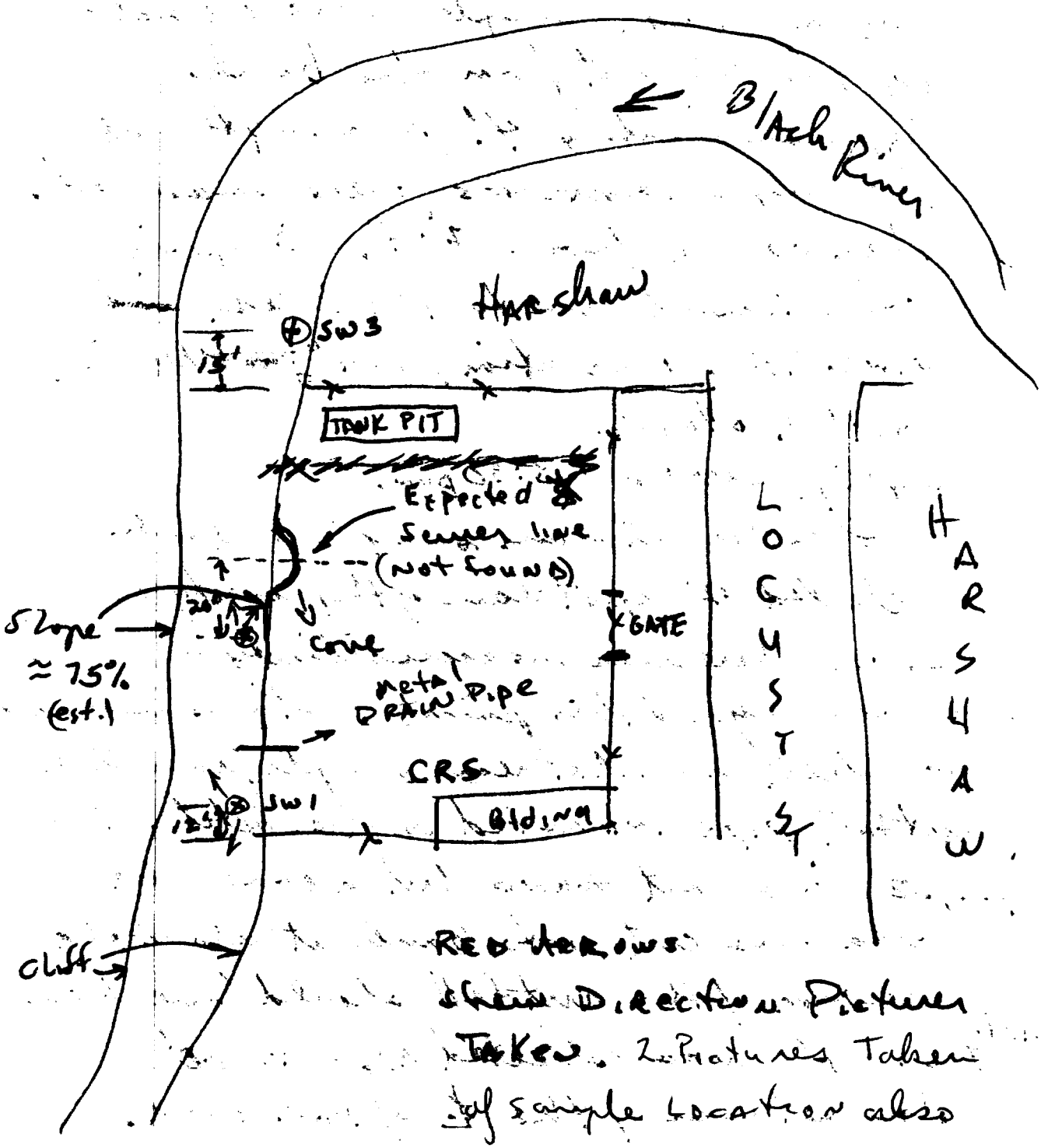
River, the river also came up to the cliff wall, leaving no bank. The river was also faster and deeper than expected. Appears that the most accessible points to the river were from the onsite. In any case, considerable care would need to be taken while traversing at the Riverbank.

Mrs Obitts, the owner's wife, was contacted for access and the site was cleared for level D ~~rate~~ work. Upon her arrival, FIT proceeded to investigate access to the river + determine sampling locations. Mrs. Obitts was told we would be in touch, before leaving the area, to give her a receipt for samples. She said she would stay if we thought it was necessary but that we could lock up. Because of the weather and her offer, it indicated we would lock up. She left the site. The temperature was about 40°F. It was wet + drizzling all day. FIT looked for the most accurate yet

safest sampling locations. Accuracy was determined based on guidelines given to FIT by the OSC, Erin Moran. The slope to the river was better and a bank was accessible to traverse for sampling. Yet it was still deemed necessary to raise flower Dave Vaughn + the sample bottles (in a cooler) using a rope from the road level. Dave was chosen because of his size in comparison to mine. Mark was the sampler (GA per work etc.) It was felt this arrangement was the safest. Dave was dressed in neoprene glove overlying surgical gloves, steel toe boots (neoprene) and saranex coveralls, all taped around wrists and ankles to prevent contamination of his clothes. Attempts to use waders were futile because of the water depth and speed.

The sketch on the next Page shows

SITE SKetch
w/ Photo Locations + SAMPLING LOCATIONS



RED ARROWS show Direction Pictures Taken. 2 Pictures Taken of sample Location also

the sample location and terrain experienced. Samples were collected by reaching out from the bank approximately 4'. River depths at the sample locations were measured. They varied from 2'-4'. Sampling was slowed due to the trees, ~~and~~ vine like vegatation, and ~~[illegible]~~ debris, on the slope.

Sampling proceeded at 3:30 pm.

The downstream sample had to be collected 12' upstream of the property boundry since there was no accessibility to river bank beyond this point. It was intended to collect a midstream sample from the outfall pipe located on the sketch. The pipe was not found but a cone like area was cut into bank at about the location of the outfall should have been located. The sample was collected approx. 20' downstream of the ℄ of this cone.

Pictures documenting this cone, all sample locations, and the River area were

shot. Mrs. Obitts told FIT that there ~~outfall was~~ was leveling activities at the site, using bulldozers. This may be the reason for not finding the outfall pipe. ~~Sampling~~ Onsite activities ceased 5:30pm. The gate was locked.

A Flash was needed to take pictures because of the time of day + the overcast skies. Packaging of samples continued until 9:35 pm. It was necessary to get Vermiculite at Sears as opposed to a garden shop because the possible delay during the day may have meant sampling in the dark, which cannot be done by our safety plan. When sampling was completed, ~~in~~ Garden shops were closed. Mark + I drove home to the airport. Samples were shipped from

2-6-86 Cleveland Airport (Hopkins)

~~Mark + I packed up equipment~~

Approx. 9:45 pm. Chain of Custody ~~+ Sam~~ procedures were followed + ~~adhered to~~ C of C maintained.

2-6-86

Mark + I packed up equipment for shipping. We delivered a receipt for samples to Mr + Mrs. Obitts and left Cleveland on the 10:14 flight to Chicago. It was delayed until 11:20 AM.

Notes:

- The State was not involved in this action.
- Samples were collected to verify those taken by CLOW for CRS in an aggreement to be done over a 2 year period. A list of parameters can be found on the following Page. Acrylonitrile AND Acrolein will not be analyzed for as agreed to with the OSC because they require an SAS request.
- Pictures were taken using an RICOH, 35mm camera + 200 Speed film.

Temperature pH + conductivity readings were measured of the samples collected.

SAMPLE PARAMETERS

Ethylbenzene	Acrolein	Aroclor 1242
Methyl Bromide	Acrylonitrile	Aroclor 1254
Methyl Chloride	Benzene	Aroclor 1260
Methylene Chloride	BIs(Chloromethyl)ether	
1,1,2,2-Tetrachloroethane	Bromoform	
Tetrachloroethylene	Carbon Tetrachloride	
Toluene	Chlorobenzene	
trans-1,2-dichloroethylene	Chlorodibromomethane	
1,1,1-Trichloroethane	Chloroethane	
1,1,2-Trichloroethane	2-Chloroethylvinyl ether	
Trichloroethylene	Chloroform	
Trichlorofluoromethane	Dichlrobromomethane	
Vinyl Chloride	Dichlorodifluoromethane	
	1,1-Dichloroethane	
	1,2-Dichloroethane	
	1,1-Dichloroethylene	
	1,2-Dichloropropane	
	1,3-Dichloropropene	

→ * These Temp. pH + conductivity readings as well as sample information can be found on the sample description pages to follow. Receipt of sample accepted ~~sheets attached to the following page~~ by OBiHs on 2-6-85.

— Decontamination solutions consisted

of Distilled water only* solutions were left onsite.

SAMPLE ~~DATA~~ INFORMATION.

Sample # SW/1 — Downstream at edge of Riverbank

Type: Surface water Sample - at Surface

Time/Date: 1530 / 2-5-86

pH/COND/Temp.: 6.5-6.7/ 230 ppm or 340 µmho/ 3°C

Sample ID: TAGS ~~Lot/#~~

5-45324 thru 5-45328

OTR # — EG534 ITR - ME E 311

CASE # - 5558

SAMPLE # SW/1 MSD

Type: Surface Water - at Surface

Time/Date: 1530/2-5-86

pH/Cond/Temp: 6-5-6.7/230 ppm or 340 µmho/ 3°C

Sample ID: TAGS

5-45330, 5-45329

5-45333, 5-45332

OTR - EE 994 ITR ME/NA

case # 5558

Sample # SW-2/Mid Stream near outfall

Type: Surface water at Surface
Time/Date: 2-5 86/1620
pH/Cond./Temp.: 6.4/400 µmho/3°C

Sample ID : TAGS
5-45340
thru
5-45344

OTR #. - EE993 ITR # - ME 6198
CASE # - 5558.

Sample # SW-2 DUP

Sample ID TAGS
5-45345 thru 5-45348
& 5-45350

OTR # - EG536 ITR # - MEG195

Sample # SW-3 upstream.
Type: SW at Surface.
Time/Date: 1645/2-5-86

12

pH / Cond. / Temp : 6.5 / 375 µmhos / 3°C

SAMPLE ID:

TAGS 5-45315 thru 5-45319

OTR # - EG 538

ITR# - MEG 197

Case # - 5558

SAMPLE # BLANK

TIME / DATE : 1530 / 2-5-86

pH / Cond. / Temp. : 7.5 - 7.75 / 4ppm = 10 µmhos / 12°C

Sample ID

TAGS - 5-45320 thru 5-45323 + 5-45349

OTR # - EG 537

ITR # - MEG 196

Case # - 5558

C of C # / Chain of Custody # - Seals	Airbill
from E&E files / 21033 + 34	276074945
" / 21032 + 21031	276074945
" / 21030 + 38063	276074956

Letter D

HNU ~~model~~ EPA # - 337457

RADMIN, EPA # - ?

USEPA EDO - 216 ~~425-9171~~ 942-7260

Property Owners:

Mr. & Mrs. Obitts (Russel)
1130 Gulf Rd.
Elyria, OH 44035
216-365-2571

USEPA attorney - contact
John McPhee

Attorney for Co. - CRS
T. GARDAN,
ERIN MORAN: 216 886-7275

Conversation w/ Mrs. Obitts 2-5-86 / 2:45pm.
Chem. Recovery System leased the property from the Obitts! The Obitts want to finalize the sampling so that they can be free to sell the property. CSR was under agreement to sample several times annually, the River. Clow had done this for them.

Pat Pekelk