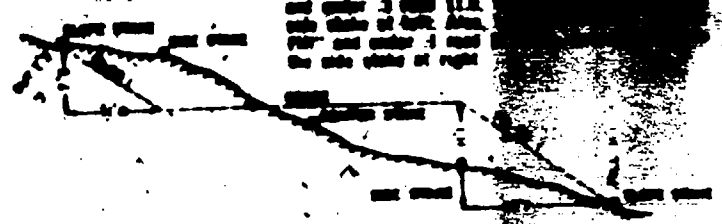

Cut in Fill	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	Cut in Fill
	Distance out from Side or Shoulder Stake										
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	[illegible]	16.2	[illegible]	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	[illegible]	[illegible]	[illegible]	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	[illegible]	[illegible]	[illegible]	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	[illegible]	[illegible]	[illegible]	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	[illegible]	[illegible]	[illegible]	14
15	22.5	22.7	22.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	[illegible]	[illegible]	[illegible]	18
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24
25	37.5	37.7	37.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	32
33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	33
34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34
35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	35
36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	36
37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	37
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38
39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	39
40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40

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TAT LOG FOR U.S. SCRAP
LANDFILL FIRE

TDD #

PCB #

TAT Members:

Jeffrey A. Etchebehere - Project Scientist
David Pyles - Project Geologist
Scott S. Springer - TAT Leader
Cort Nichols - Environmental Scientist
Dean Beers - Asst. TAT Leader
Rich Grat -
Sally Matz - Environmental Chemist
Karl von Heimburg - Environ Tech.

Friday 16 August 1985

Approximately 1400, TAT [illegible] from USEPA indicating OSC [illegible] Simes [illegible] were investigating [illegible] ground fire at the US Sc[illegible] Chicago, Il. The site [illegible] years as an industrial [illegible] and the TAT was requested to provide assistance in monitoring and sampling the venting smoke. TAT members [illegible] and Michels subsequently [illegible] the site w/ Level B protect[illegible] HNU photoionizer, Rad meter [illegible] of Drager colometric indicator [illegible]

1325 - TAT members Brafferat[illegible] arrive at site. OSC [illegible] Simes, & Brad Bey[illegible] Klopke of IEPA present [illegible] from on materials & [illegible] on site. 8 open top s[illegible] w/ loads of clay are [illegible] site at this time. [illegible] TAT that EBCS has [illegible] to put out the fire, [illegible] now in SIBCLA Remo[illegible]

8/16/85

2 areas on site are burning, a smaller area at the north end and a larger area at the southern end. [illegible]

1745 - Phil Newton, Response Manager, w/ Mid America, arrives on site. OSC [illegible] states that the current plan is to spray foam on the fire and cap the areas w/ clay to attempt extinguishing. Personnel from Chicago Fire Dept begin arriving. Several instances were noted when Fire Dept & Contractor personnel as well as the OSCs have walked throughout site w/out protective gear. [illegible]

1845 - TAT members and one Mid America personnel approach north burn area in Level B w/ HNU, CGI, Drager tubes. Measurements taken of smoke at pt. of venting:

HNU = 50-80 ppm

HCN Drager = +

HCl Drager = ~2 ppm

9. 8/16/85

NO2 Drager = —
Mercaptan Drager = —
H2S monitor (Mid America) = ~15 ppm
LEL (Mid America) = 6%
O2 (Mid America) = down to 16% —
1 charcoal tube sample collected 20 pumps [illegible]

2010 Foam spray unit supplied and operated by Chicago Fire Dept goes on site. OSC Wu and TAT member Stafferahn prepare to enter site in Level B. Earlier that evening after Mr Newton had arrived, TAT member Stafferahn asked OSC Wu who was [illegible] of site safety, OSC Wu [illegible] Mr Newton was. TAT member Stafferahn indicated to both that many safety procedure violations had been noted, no demarcated hot line, people on site w/ non-or inadequate respiratory protection. TAT recommended that a hot line at the north end of the site be established, that Level C protection be used on site except when 10 meters upwind of smoke vents, or any [illegible]

8/16/85 3

downwind, in which case Level B protection should be utilized. These measures were apparently agreed upon by OSC and Response Manager [illegible]

2010 Mid America truck arrives w/ lights [illegible]

2020 Fire Dept trucks starting to lay water hose, Mid Amer workers setting up lights. A total of 6 fire trucks at site [illegible]

2030 Resp. Mngr Newton preparing to enter site. TAT member Stafferahn & OSC Wu still waiting for Fire Dept to set up water lines for foaming of south hose [illegible]

2100 Fire Dept light truck arrives at site [illegible]

2110 Delay in foaming is caused by problem the Fire Dept is experiencing w/ the fittings on the hose [illegible]

2115 Fire Dept reports that they are now ready to send water [illegible]

2120 OSC and TAT Stafferahn [illegible] to observe foaming of back burn. The possibility of incompatibility of the foam and any chemicals present in the burning material had been discussed, careful observations of the foaming will be made. In back burn area, a fire truck is [illegible] 25 yards of fire, upwind of venting smoke, none of Fire Dept. personnel have the masks of their [illegible] on. Foaming operations still [illegible] yet. OSC + TAT proceed [illegible] zone. Still no for[illegible] rated hot zone, OSC [illegible] & F.D. Chief to make [illegible] all personnel on site, utilize [illegible] protection.

2 Fireman drive on [illegible] deliver air tanks to [illegible] South burn area.

2 Chiefs at 'hot line' are maintaining radio contact w/ others [illegible]

2130 OSC had reentered site [illegible] comes off w/ Resp. Mngr. They are

now spraying foam on the south burn area. No apparent incompatibility reactions observed.

2145 Resp. Mngr Newton reports that flames are coming through the foam application. About 2 inches of foam put on area, w/in a few minutes, the foam percolates through ground + for boils off. (This is an aqueous based foam consisting of approx 95% water, per Mr Newton) and fire continues. Fire Dept. now [illegible] to shut down at south burn [illegible] make at tempt to foam the north burn area.

2150 The 'hot line' was moved back in few yards (moved to north) due to odors and slight increase in HNU over previous ambient readings (ap. ppm - 1 ppm increase at most). TAT member Stafferahn enters site to take HNU readings just downwind of north burn area, w/ Mid Amer. workers. TAT Nichols at hot line as back up.

2200 TAT and Mid Amer workers off hot zone. Readings downwind near where F.D. light truck had been parked, ~ 20 yards downwind of plume (west of burn); were slightly higher than ambient at ~ 8 ppm. Observed plume near wanting up to 90 ppm [illegible]

2210 Fire Dept truck is starting to spray foam on north [illegible] [illegible]

2245 Contractor [illegible] off site [illegible] [illegible] neighborhoods [illegible] an apartment complex [illegible] home to the west [illegible] away. Two [illegible] workers will monitor a few [illegible] parameters at several locations around the site [illegible]

2250 Fire Dept again [illegible] problems w/ fittings for hoses [illegible]

2300 Hose problems resolved, began spraying again. TAT [illegible] Staffeler [illegible] [illegible] [illegible]

2315 Contractor, OSC [illegible] & TAT discussing over night monitoring of the site & area. The two contractor personnel driving off site are monitoring will also keep an on site, additionally, the Fire Chief says that a noise unit will also be at the site [illegible]

2320 TAT [illegible] that Fire Dept personnel [illegible] being informed of safety protocol dictating resp. protection [illegible] on hot zone, are still just the hot line w/out masks on. The fire fighter [illegible] forming the north burn is sitting perhaps 15 feet upwind of fire (wind blowing west) [illegible] air masks; the Fire Chief is also w/out mask, and the [illegible] after making around [illegible] burn area, takes off his mask [illegible] fire fighters. The [illegible]

8/6/85

[illegible] to be working on [illegible]
small open flames can [illegible]
[illegible] to [illegible] at [illegible]

2325 OSC [illegible] discussing [illegible]
TAT member Stafford recommends
that the fire be [illegible] and
[illegible] extinguished, will required
detailed safety precautions [illegible]
[illegible]: large [illegible]
shields (level [illegible] OSC [illegible]
[illegible] may be done [illegible]
[illegible]
[illegible] definite [illegible]
[illegible]

2335 1st load of clay [illegible]
to [illegible]

2345 Trucks [illegible] dumping, each [illegible] ~20-
25 yd³ of clay

2440 Last truck of clay dumping OSC
[illegible] indicates they will begin [illegible]
[illegible] [illegible] brought

8/6/85 – 8/17/85

[illegible] to site (unloading at time of TAT
arrival) tonight. TAT indicates that
they believe it would be better
to wait until proper equipment
(have [illegible] safety shields / level B
[illegible] experienced operators [illegible]
[illegible] [illegible] [illegible]
and safety precautions (ie [illegible]
[illegible] stockpiles to [illegible] [illegible]
[illegible]) can be made

2450 Fire Dept [illegible]
[illegible]
[illegible]

0110 TAT [illegible] Stafford [illegible]

0115 OSC [illegible], TAT [illegible] Mayor [illegible]
operations. As [illegible] truck [illegible]
[illegible] will start at 0800 [illegible]
[illegible] and attempt [illegible]
[illegible] time for planning. If [illegible]
[illegible] work, will begin [illegible]
fire. [illegible] Mayor Newman [illegible]
[illegible] not sure if they will [illegible]

12 8/7/85

[illegible] Dept stuck in the [illegible] He will get a 5K gal water tanker w/ sprayer in the morning. TAT and the OSC both state [illegible] Dept should be on site [illegible] thing goes wrong, [illegible]

0130 TAT + OSC Wu preparing to leave site. Van from MSD arrives, drives directly to north burn. When asked he stated [illegible] had just come on [illegible] requested to check [illegible] and to sample for [illegible] OSC Wu gives [illegible] the [illegible]

0140 TAT member Michael [illegible] Site Pump Mgr + Mid [illegible] still on site.

8/10/85 13

8/10/85 +

Weather: Clear - Temp mid 90's

0803 TAT's Springer and Grace arrive at the U.S. Scrap Site. Met with Phil Newton and Karl Yost of Mid America. TAT's were briefed on site conditions. Mid America was on site all night. Situation had not changed since Friday night. Truckers on site, 4 Mid America Employees, 2 BH employees plus 2 Lite excavating employees.

0814 Front end loader brought to site by Lite Excavating.

0821 Wind out of South + blowing from [illegible] across D-Con area. TAT's discuss possibility of moving hot zone line back and moving D-Con area out of influence of smoke. HNU readings at [illegible] were 7.5 units w/ [illegible] probe on unit 5 calibrated to [illegible] Benzene.

0823 Fire Dept Baldwin Chief on site to check out situation and see if Fire Dept was going to be needed [illegible]

0822 F.D. Battalion Chief - off site

0825 OSC Wu on site

0828 Plant security from adjacent property check to see if everything is okay

0841 Chief Fitzpatrick (CFD) on site - will be able to keep Dept on site until noon

0850 Fire Dept at site w/ 2 trucks Mid America has set out 2 monitor units - in process of setting out gillian pumps on site and in residential area to the west of the site

0855 2 Mid America personnel on site to set up Gillian pumps (level B). B. Wu walking R.R. tracks to the south along west side of site

0910 Don Klopke and Brad Benninger IEPA on site

0925 TAT and OSC excavate site w/ response truck trying to find a new area to set up command post out of smoke

1000 Wind shifted now blowing from west.

1005 2 Fire trucks on site spreading out hose. Fire truck w/ bottled air moves up to hot line OH, TAT, Mid America and OSC preparing to go on site

1015 1 Fire truck off site - 2nd Truck set up beyond northern fire area

1030 Begin digging test hole w/ Backhoe at north end of northern burn area - Fire Dept spraying water on hot soil and burning timbers. large amounts of steam being generated

HNU readings of fire area 10 → 110 ppm. 11.7 probe

Test hole about 6' deep x 20' long x 4' wide

1050 All off site except fire dept and equip. operator.

1100 TAT Geers on site to stop excavation while fire dept refuels pumper truck on site

1105 Fuel truck on site

1115 Status of test hole 15' deep

by 24' long x [illegible] smaller material top 6' only

1140 Decision by Phil Newton and TAT that test hole was deep enough in this area to determine that burning was restricted to surface material. Oily water material started gushing in to bottom of hole at one point shortly after pulling last bucket from hole.

1200 Fire dept wrapping up hose lines

1208 Fire Dept off site

1212 Fire Dept public relations man on site to tell Brian [illegible] that press is waiting at 115 Ave for an interview.

1224 Phil Newton, Scott Springer and 2 other Mid America employees off site to find a better source of clay. The clay brought to site previously was all building debris. Was not even clay. Looked like fill material.

3/12/85

1245 Press on site. B. Wu giving interviews to Channel 7, 9, and City News.

1258 Mid America crew returns to site with filled air tanks.

1330 TAT's leave site for lunch.

1405 TAT's return to site. 3 loads of clay have been brought to site expect 15 total loads with 20 yards to a load. The clay is for capping the front fire area only. Phil Newton of Mid America stated there would be no charge for clay brought to sight previous night since it could not be used for capping purposes.

1430 TAT's on site to observe capping operations. TAT Springer collected composite sample from excavated material. HNu reading on this pile was 150 → 200 ppm w/ H-2 probe. No reaction w/ Draeger tube for Chlorine at front fire.

Draeger tubes from back of site
Benzene about 15ppm. at seep hole
west side of large burn area.
1510 TATs off site.
12 Loads of clay have been
dumped and packed into place.
3 remaining loads will be
dumped in next 15 minutes
1615 TATs back on site to collect
more samples and measure site
Sampled dirt from edge of far
burn area (S-W) Soil was
at very edge of [illegible] rings.
Sampled ditch along east side
near northern burn area.
Ditch was covered w/ a very
thick oily material. Collected
additional Draegers in back burn
area, DC positives for Benzene (3 ppm)
and H_2S, negative for mercaptans
and chlorine. Front burn area
completely covered over w/ clay.
1650 Equipment out of hot zone.
1655 TATs off site. Prepare samples
for shipment to Gulf Coast

Analytical. Gulf Coast only lab
available that would accept
samples on Saturday night and
offer results of air tubes from
Gilliams by Monday. Requested
results of soil samples by
Friday. To be analyzed for
PCB's, Pest., Volatiles, Metals,
Base Neutrals and Acids.
Samples left with Mid America
for transport to Gulf Coast.
1730 OSC [illegible] off site.
1743 TATs Geers and Springer
off site. Mid America was
setting up to have 2 people
spend the night.
Plans call for a check of the
cap by Mid America and
OSC on Sunday and TAT to
return to site for capping of
back burn area on Monday.
Entries of 8/17/65 by [illegible]

19 August 1985

0810 - TAT members Stiffenelm & Pyles on site. Contractor crew all ready present. Completed 1/2 log for today's yesterday, + yesterday's work order. Resp. Mngr Newton states he would like to start digging the south burn area, rather than capping, TAT agreed, will need to consult w/ OSC upon his arrival

0825 - OSC Wu arrives onsite, Contractor, TAT & he meet for today's 'game plan'. Wu decides to go ahead & cap site in order to buy time. Air Infra red air photos will be taken. One contractor suggest E.R. Institute of Ann Arbor, Mi, they maintain a satellite over Great Lakes area. This may not give the resolution needed however. The data from study will be used to map hot spots, est. cost and scope EAP. Contractors suggest a subsurface temperature probe study to compliment the infrared study

0850 - Small dozer arrives on site w/ operator. Contractors, OSC & TAT agree that excavation of burn area is probably the best

onsite to extinguish the fire. This is what the special consultant from Blow Out Inc, Houston Tx has also suggested. Concerns over water-reactive chemicals voiced, TAT again states that this will prob. be no problem, if one occurs, contingencies such as dry chemicals etc should be on site, contractors agreed.

Contractors, OSC and TAT went to MSD and viewed sludge ponds to east of site and the site itself. Consulted w/ MSD personnel. Some smoldering of weeds on banks of lagoons east of the southern US Scrap fire. MSD stated brush fire in area moved up from south and hit US Scrap site as well as the lagoon area. Burns have look superficial and not connected to US Scrap burning in any underground conduit. Later, viewed slides of photos taken by MSD personnel of US Scrap when it was operating.

1050 Return to site. Capping operations for today ready to begin, a few [illegible]

loads will be put on north burn, then south burn will be covered. Truck drivers in Level C when in hot zone, there entrys will be noted on the hot zone E/S log. Equipment operators in Level C for north area.

1100 Howard Chinn & Mike Brock, Jr Attorney Generals Office arrive. Mr Chinn states that his officed had filed suit against Montrel in 1980, but no progress had been made. OSC [illegible] interview to [illegible] Radio & Channel 7 TV. TAT asked Resp Mngr Newton [illegible] respiratory protection for equipment ops, suggested Level B, asked if Mod Amer or OHM could get their own operators who have experience in resp protection, he replied that they could not get them out there in time [illegible] afternoon.

1110 OSC Wu and Bob Wells, Phd Newton leave for meeting at EPA. Resp Mngr Newton clarifies that the eq op's are in Level C only to finish cap on north burn; will be in Level B

for work in south burn, however, they are in need of battled air.

1205 - TAT Stafferahn and [illegible] personnel [illegible] the site. Contractor is now plugging vents in south burn. Spatter in Level C, away from burn, operator in Level D. Spatter in need of booties. Checked on HNU photocomiques on one vent in south burn → ≈ 40 ppm, at front cap w/ no visible smoke ~ ≈ 0.2 to 0.4 ppm increase over ambient air at hot line which was ~ 0.6 ppm. Spatter got booties when returned to hot line.

1220 - TAT Stafferahn & [illegible] personnel [illegible] out of hot zone. Contractor out to get battled air. [illegible] personnel walking down [illegible] in Level C, decon of these person made before this excursions.

1245 - TAT [illegible] Pyles out to get lunch. Operations temporarily stopped for air

for ice up. Dozer is now on side in upward position moving dirt close to the hoe.

1300 IAC personnel back from RR tracks, states there is no small plume of smoke coming from South fence line. Note a large orange dust plume from Steel mill (Interlake?) to SW of site

1325 Mr Sexton, free lance [illegible] photographer on site. Air [illegible] arrived on site both operators [illegible] work area

1400 TAT and Mr Sexton [illegible] site from RR tracks. Ambient [illegible] readings on HNU seen all along RR tracks

1410 TAT [illegible] bore vent [illegible] the SW corner of site [illegible] to S fence

1425 TAT & Mr Sexton back at response van. 15th load of clay for today has just arrived [illegible] with

appeared to be progressing smoothly. 8th Truck w/ [illegible] from [illegible] arrives, apparently a drive chain in broke on backhoe, [illegible] more trucks. Mechanic in hot zone in Level C.

1440 Lacks mechanic off site, having repaired backhoe [illegible]

1500 Dozer driver up for more air. He has also been in Level B

1515 Trackhoe operator now out of air, has been having trouble with one track

1520 [illegible] & Bob Wells back from meeting at [illegible]. 2 Chicago Fire Dept pushed also at site. The dozer [illegible] has come up with last clay truck [illegible] be [illegible] site [illegible] from contractor foreman.

1600 1620 TAT's on site to monitor [illegible] smoke bore area. At vent [illegible] of [illegible]

results:

HCN monitor + response

H_2S monitor −

drugers:

acetone [illegible] ppm ?

aniline +

CCl_4 ~12 ppm

SO_2 ~100 ppm

HCl >10 ppm

CO 0.4 ppm

benzene [illegible] (color [illegible])

mercaptan [illegible] ppm

ethyl benzene [illegible] ppm

methylene chloride [illegible] ppm

interferents prob

[illegible] total exp

HCN ~10 ppm

CS_2 >60 ppm other

interferents prob

[illegible] to the

benzene

HNU photoionizer [illegible] − 9 spots: 45 − 70

results from [illegible] in SW [illegible] of

site HNU − no good results

HCN monitor +

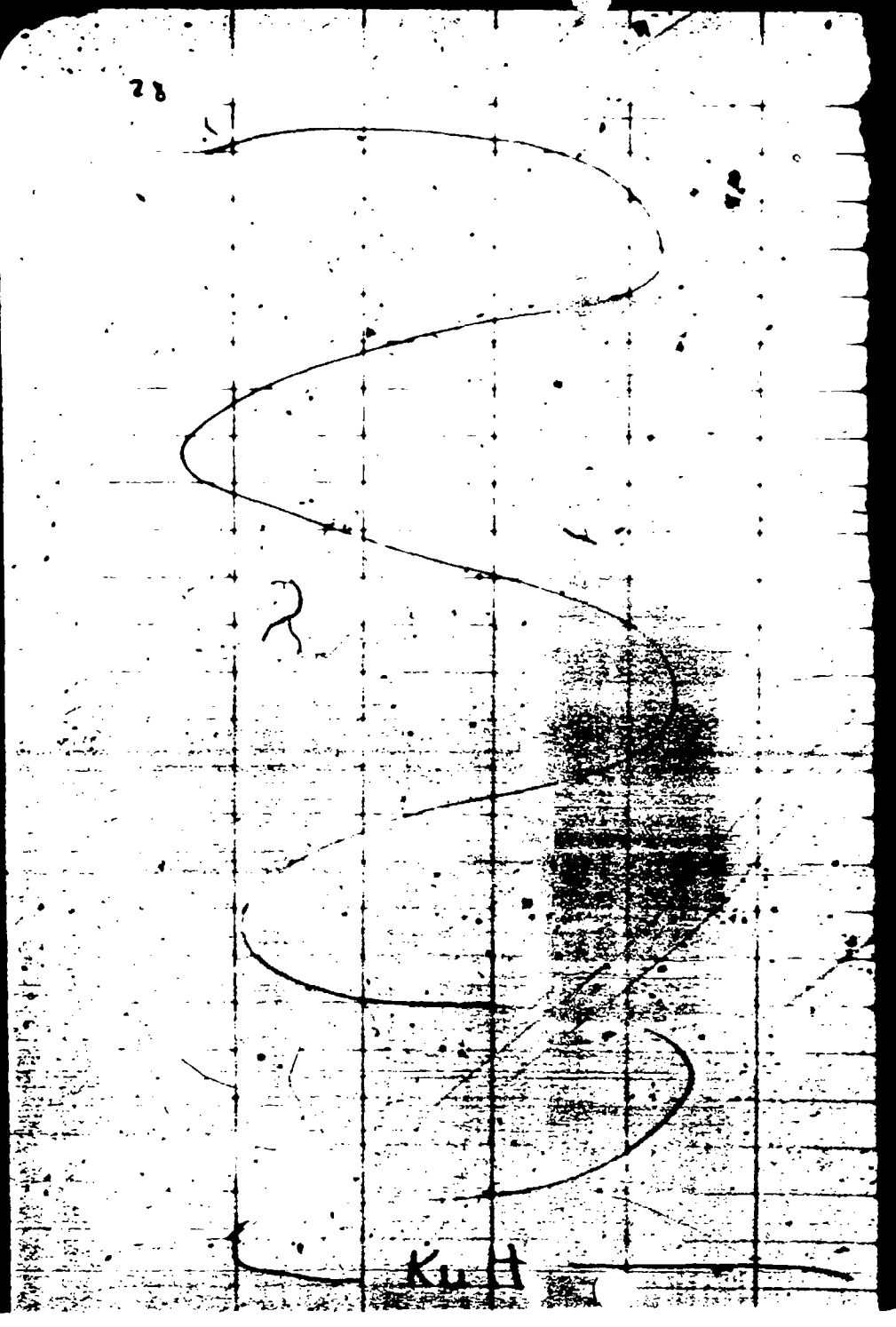
H_2S −

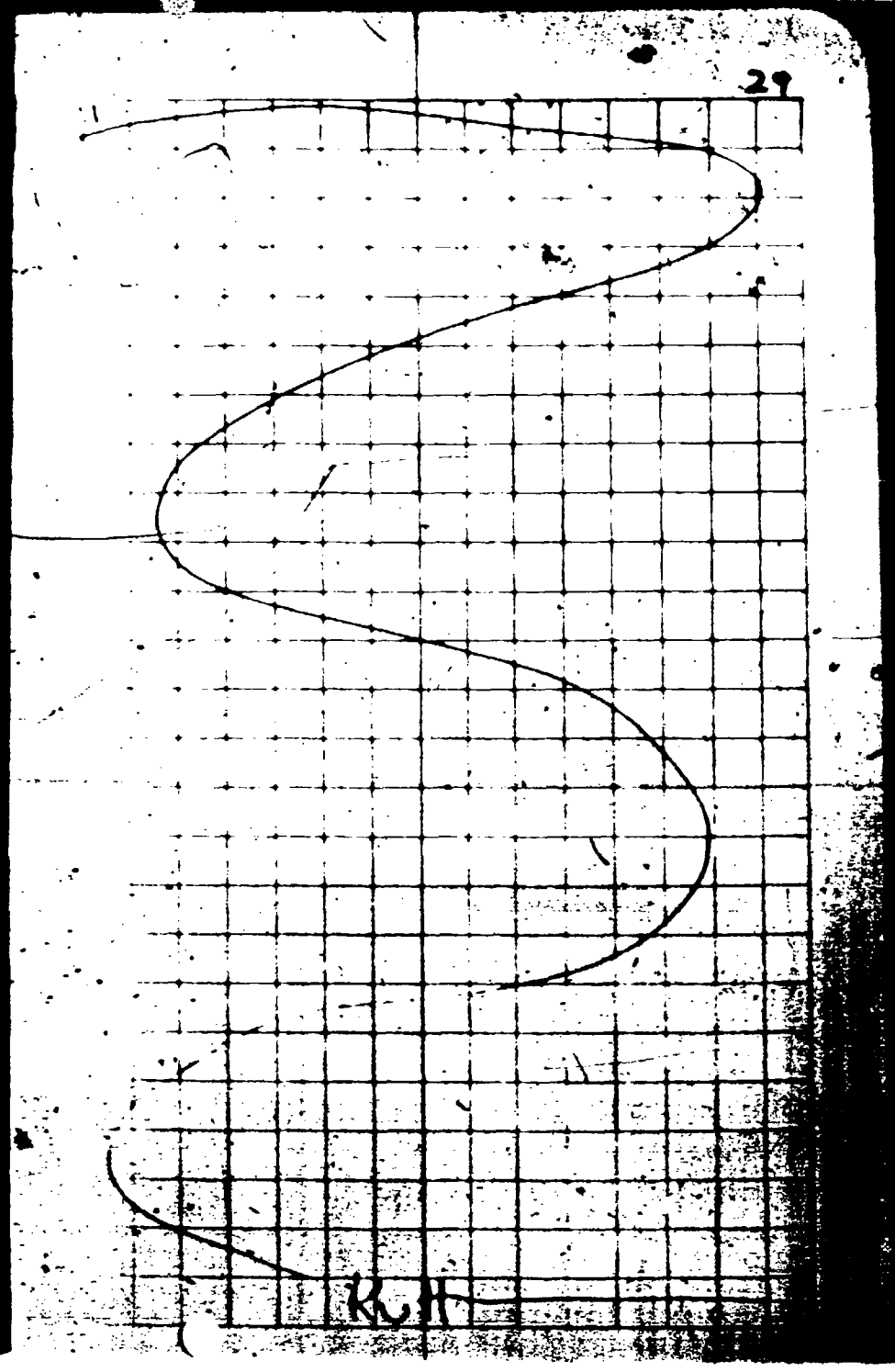
benzene drager +

1715 OSC Wu indicates that Battelle & Constantelles [illegible] Bob Wells from [illegible] out to give press [illegible], but OHM will not be allowed because [illegible] to OHM → [illegible] OSC Wu [illegible] request OHM [illegible] the [illegible]. − D.G.P.

1730 Metric light 1500 watt [illegible] 800 watt [illegible] [illegible] − D.G.P.

KCH


KuH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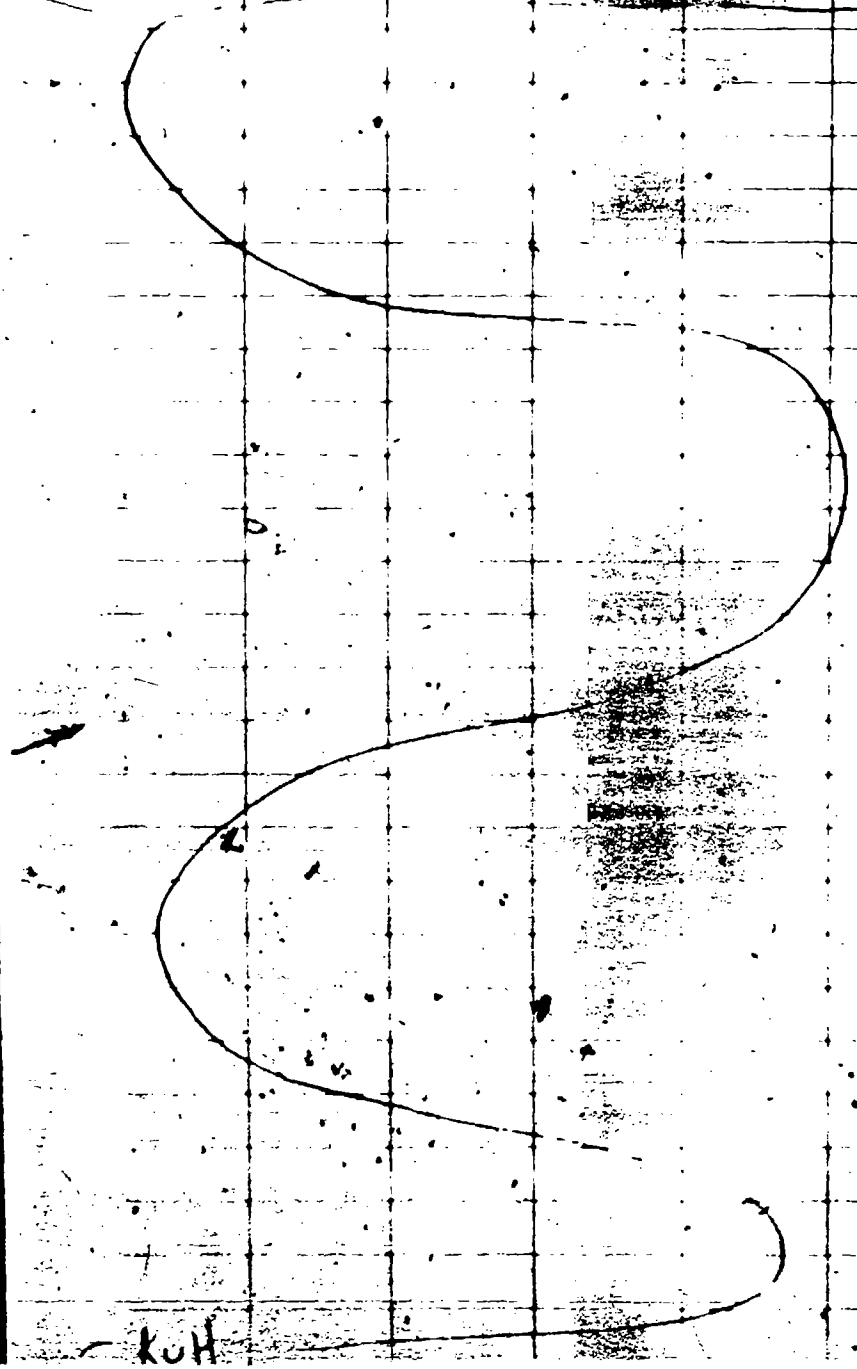


20 August 1985

0800 TAT Arrives on-site. No one else present. Walked Railroad to view site, No smoke. Venting from visual inspection

0845 OSC We on-site. Begin file Review, Groundwater Data indicates water table depth to be shallow - around the west side 2-6 feet below grade. Several inspection of organics, including PCBs

0850 Contractors on-site, Phil Newton - [illegible]
Dan Klapke of [illegible] Environmental Protection Agency (IEPA) begin IEPA File Review

0920 Bob [illegible] - monitoring air quality in surrounding neighborhood [illegible]
Contractor, TAT, IEPA discuss approach to excavation disposal...

Phil Newton discuss his suggestion using ground sites with excavation to source free. TAT suggests [illegible] ground water data indicate the presence of PCB's, can we assure the material excavated will be high in PCB. Therefore, disposal will be nearly impossible due to Volume, [illegible] and contaminated. [illegible] of this it would be [illegible] to extinguish the fire and then replace the material back into the excavated hole. This would negate the necessity for disposal on an immediate basis. Incidentally, regulatory and political problems may arise.

Mid-America indicates the Temp. Probes will be permanent installations. STAKES to be on site [illegible]

1035 TAT [illegible] equipment

on site and are as follows

1 Response vehicle
1 Concrete air system
4 Lights w/ poles
4 Batteries
1 Roll Visqueen
2 Battery Chargers
2 Gas Cans
1 Cooler
1 Small 2500 watt generator
4 SCBA's
Al Blankenhorn surveys site

1050 TAT asks OSC Wu requesting demobilization of some equipment on site

1105 Woodstock - mid American employees putting up "Danger Unauthorized personal keep out" signs along top of Railroad grade on their right of way.

1150 Stakes arrive on site in El Camino

34 8/20/85

1245 Bob Woodstock and Al Blanchard enter Hot zone in level C to set [illegible] stakes per sketch made [illegible] Blanchard & Reviewed by TAT, 9 - 2"x2" stakes utilized split in 2' to yield 18 stakes, with 2 cans of spray paint.

1300 Phil Newton [illegible] on-site drops off car with [illegible] leaves with another [illegible] which followed.

1310 Bob Woodstock & Al Blanchard have completed the stakes at site, TAT member, Stoffer [illegible] enters hot zone with drivers/Mechanic, from Lotz who is here to fill the dozer and trackhoe.

1340 TAT leaves site to IEPA office in Maywood, IL.

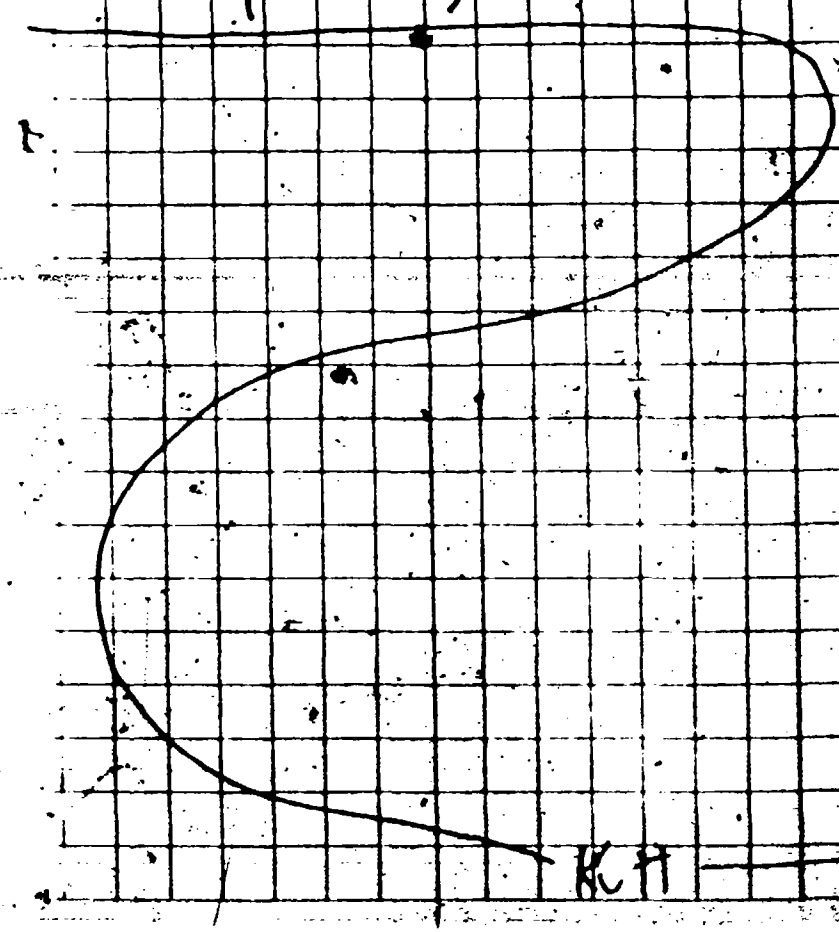
8/20/85 & 8/21/85

1455 TAT arrives at IEPA office. [illegible] U.S. Sump File

1540 File Review Complete TATs TO Northbrook, IL.

1750 TAT Log-off - Pyle

August 21, 1985



August 22, 1985

0910 TAT members Stefferahn & Pyles arrive on-site after an unsuccessful attempt to meet OSC Wu at [illegible]. 3 contractor personnel are in [illegible] at the north end of the site placing stakes where the soil temp probes [illegible] be inserted. TAT member Pyles begins construction of an accurate site map, [illegible] the Brantman compass. 1 response van 1 pick up truck (air monitoring) 1 personal [illegible] w/ mobile phone ([illegible] Mid-America), are on site. [illegible] equipment appears to have been [illegible] per the request made [illegible] Response Manager on 8/20/85.

0930 Mid America [illegible] out of hot zone after placing stakes. They indicate the temp probes probably [illegible] here until about 1400 today.

1010 TAT member Pyles on site to shoot compass directions of temp monitoring location stakes.

1030 TAT Pyles out of hot zone. OSC Wu arrives.

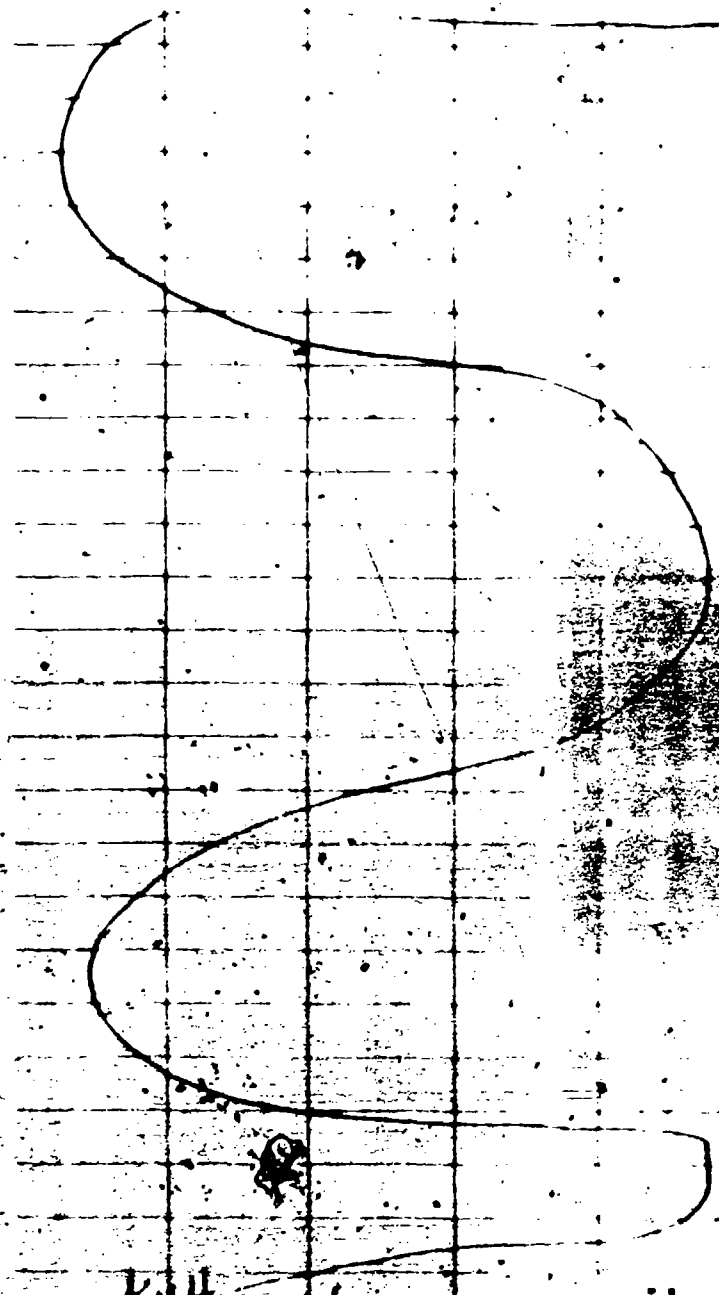
1040 2 Chicago Police officers stop by just to see what's going on, leave after a minute.

1105 Jim Miller & 2 other Mid American employees (W. Eiters & Cuthbertson) arrive 1 personal vehicle (Miller) & 1 pick up truck which is being rigged to set points for probes.

1115 OSC Wu and TAT Stefferahn [illegible] proceed downtown. TAT Pyles will remain to [illegible] contractors and complete map, gather temp info.

KuH

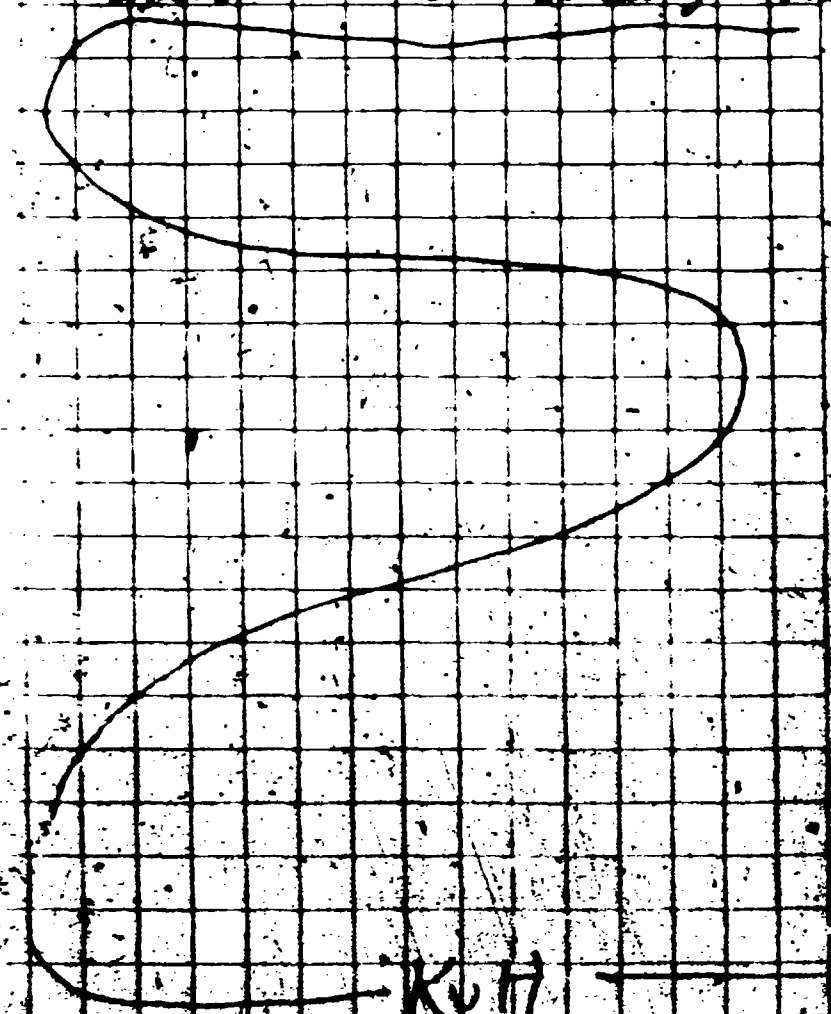
38 8/22/85



8/20/85 39

23 August 1985

TS [illegible] Pyles [illegible] to [illegible] contractor activities, specifically, to observe installation of [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] already [illegible]



of the site. Also, he requested that the [illegible] probes be placed deeper, per request of DPO Bondurant, although both OSC and, apparently the Resp. Mngr. thought this would not be possible due to type of fill material & the shallow water table. Also if a phone can be arranged, a command post was requested to be established. TAT was requested to provide maps of the site showing extent of clay caps, hot spots per the infra red video, caps & locations of the subsurface temp. probes. The need for stills was reiterated. GLB

1100 TAT proceeds to site [illegible] grid for ref. pts and to perform a rad survey. GLB

1115 TAT arrives on site. Partly cloudy ~70°F, slight breeze. Mid America resp. [illegible] still on site. [illegible] lighting, [illegible] changes appear to have been [illegible] site. 2 Chicago Police officers stop by for [illegible] GLB

8/26/85

1200 TAT completes establishment of a taped access control pt. at the site entrance. 'Hazard tape' was stretched across entrance. 2 metal poles from Mid America utilized. TAT member Stoffelsma prepares for a rad survey of site. Background [illegible] at new hot line ~.001 mR/hr w/ monitoring jumps on slow resp. to ~.01 mR/hr. TAT members Pyles & Grant prepare to beg. grid set up. GLB

1330 TAT member Stoffelsma completes a walk around rad survey for all rad. survey proceeded from north to south, zig zagging [illegible] site east-west etc. Initially a reading of up to ~[illegible] mR/hr obtained at ground level just [illegible] of the [illegible] [illegible] the meter pegged [illegible] [illegible] dropped. [illegible] [illegible]

8/26/85

was completed w/ 9 [illegible] significant levels > ambient level being obtained. Returned to area NW of [illegible] to recheck no > ambient level found [illegible] time. [illegible] had been checked on [illegible] times throughout survey w/ normal, positive responses being obtained during [illegible]. Earlier reading may possibly been due to interference from rad source, the [illegible] may have been due to electrical interference from passing train or again rad source interference. Special attention was made during rest of survey not to inadvertently place [illegible] to the rad source on side of [illegible].

Other TATs still staking for north end of site (north of hot line) [illegible] progress due to interference w/ the Drivetmann [illegible] near the RR tracks. It is now overcast and raining fairly heavy. D. Woodstock (Mid Am) [illegible] on site from [illegible] round. [illegible]

1805 TAT members leave site. [illegible] to the copious amounts of metal on the

8/26/85 95

site, several of the readings obtained w/ the Drivetmann [illegible] were very erratic. TAT will return tomorrow w/ a transit and attempt to establish the grid and perform [illegible] and rad surveys. [illegible]

8/27/85 Tue

0925 TAT members Pyles and Gaut arrive on site. P Cloudy ~ 80° slight breeze. DPO Bowden, OSC [illegible] and Resp Manager Newton on site. Loads of clay are being delivered to site at S burn [illegible] augment the present cap.

0935 Prendergast, from Chicago's Environmental Control Division violates hot lines, leaving back to south burn area. TAT requests his immediate exit from site, which he does.

0940 TAT members Stoffelsen and [illegible] arrive on site. S. Chicago Disposal completes delivery of 6 - 25 yards of clay. Load [illegible] given to Rig Mgr

Nelson

1000 TAT, Resp Manager, DRQ and [illegible] discuss site scope + plans. Newton [illegible] on site map (provided by TAT [illegible] request yet) the fill areas per interview w/ prior US Surg employees. ERT soil gas monitoring to be conducted next week, fence to be installed, Resp Mngr to contract — fencing [illegible] comp. RR hot spot (w of silo) to [illegible]. TAT to special contract for [illegible] survey of [illegible] of RR (w side of site) despite [illegible] opinion by [illegible] there will probably be too much interference from surface debris, [illegible]. TAT also to complete set of [illegible] to order 10 additional heat probes. Ref. points for infra red aerial photos — heat sources will be set in grid. Also contractor told to record ambient temp when reading soil temp probes.

1035 DPO and OSC enter hot zone to [illegible] a suspect heat probes.

1105 — TAT [illegible] Stafferale + Aronian on site, performing a rad survey along RR embankment. No results greater than .01 mR/hr over ambient reading of ~.005 mR/hr obtained. TAT's Pyles + Carol utilizing rented transit have begun at grid on far north end of site.

1140 TAT completes 2nd rad survey. Crews from Channels 3, 5 and 7 news, and reporter from Columbia Daily, have been at site.

1350 TAT continues work on grid. Mid America employee drops off NEW Dragon tubes for off site air monitoring.

1355 Crew from Channel 2 news on site.

1415 TAT's Stafferale + Aronian [illegible] zone, Level D, to begin [illegible] survey. [illegible]

? in north portion of site [illegible] were taken at waist ht, at ground level before & after disturbing [illegible] on waste on ground. Results:

OVA (ppm) ground

Pt	waist level	virgin	[illegible]	[illegible]	Comments
1					
2					
3					
4					
5					
6					

1545 Resp Mngr Newton on site. Above OVA survey pts chosen at random, purposely looking for bad spots - waste, lack of veg. etc. Spots were staked. TATs Pyles & Grant have proceeded past hot

line at 1810, in Level C

1850 TATs Stoffrahn & Aronian leave site, proceed back to office. TATs Pyles and Grant cont. survey work [illegible]

1725 Crew from Channel 2 news arrives on site [illegible]

1740 OSC [illegible] arrives on site, proceeds to hot line, discusses progress of day w/ TATs. Tells TATs to finish hot stake & leave for day [illegible]

1805 Finish seting last stake, placed about 32 pts today [illegible]

1815 Channel 2 news sign in

1830 Channel 2 news crew leaves. OSC and TAT leave site w/50 [illegible]

August 28 1985 —

Amendment to 8/27/85. 1000 meeting on site — TAT and Resp Mngr suggested division sampling on the site as 2nd Bound. The decision by Divisler was not to comply as for division. The original sum of it is not found then the problems arising for dispute would not be incurred, as there is no way to dispose of duplicate properly

0830 TAT members Pyles [illegible] arrive at site. Cloudy [illegible]
P. Woodworth (WQ) [illegible]
[illegible] monitoring of site [illegible]
TAT calibrated [illegible]

0855 Rodgers Cosliti - Chy [illegible] HQ — etc. Delaware City mgr to TAT

0900 Tate discontinuing [illegible] of 125 degrees on OVA. Cloudy [illegible] unknown age [illegible] some leaves from flowers [illegible] will arrive at site [illegible]

0920 Resp mngr Newton on site

0930 TAT members Soffrich & Thomas arrive. TAT Pyles calls to the duke states should have HWE while on hand on Pyles briefing site status.

2 persons from City of Chester, Environmental Control Division on site. TAT briefs on general status of site. They will be heading back to Mayors Office. Tell them that they would not proceed beyond hot line. West [illegible] of structure [illegible] will view site from 28 inches [illegible] to use [illegible] of structure

1025 Chicago EPD personnel leave. They had toured site short time & not to actually [illegible]. No [illegible] photos.

P. Woodworth & body [illegible] site around [illegible] stop [illegible] full control chg in back of [illegible] site including [illegible]

8/23/85

[illegible] in C Woodsrock into well spot, in Level B. Rep. Maj. Newton [illegible] asked TAT Staffeldt (doing paper work) about decon trailer. Per [illegible] phone call [illegible] w/ TAT Staffeldt, [illegible] states to request Newton to bring out any needed items for proper decon, Newton was told decon trailer should be arranged for.

1040 [illegible] Maj. Newton [illegible] will make arrangements for decon trailer [illegible] Command post [illegible] [illegible] [illegible] for well completion [illegible] about [illegible] [illegible] taken [illegible] by TAT [illegible] to Gulf Coast Labs, [illegible] should [illegible] results tomorrow.

11 [illegible] S [illegible], Mid America on site to deliver wash tub, cups, juice etc [illegible] fridge for [illegible] [illegible].

1130 Dozer op. & Woodsrock exit hot [illegible] having finished spreading

clay. Decon'ed & Level D [illegible] [illegible] [illegible] [illegible] at [illegible] [illegible] [illegible]

1145 Dozer op & Mid America [illegible] [illegible] TAT's Pyles, [illegible] & [illegible] [illegible] [illegible]

1325 TAT's Pyles, [illegible] & [illegible] [illegible] [illegible] in Level C, [illegible] [illegible] [illegible].

1355 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] B Woodsrock [illegible] at site.

1420 TAT Staffeldt [illegible] [illegible] [illegible] [illegible]. TO [illegible] was started [illegible] [illegible] [illegible] set to [illegible] still [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] was slowly started to [illegible] after [illegible] minutes [illegible] stabilized itself [illegible] at [illegible] [illegible] [illegible].

1640 TAT [illegible] [illegible] [illegible] [illegible] for [illegible] Rep. Maj. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] field [illegible]

54 6 Feb 19

Results of A.V.4 swing

at	mean lead	good lead	[illegible]	[illegible]
7	5.6	5.6	[illegible]	[illegible]
8	5.5	5.4	[illegible]	[illegible]
9	4.8	4.9	4.8	[illegible]
10	5.0	5.4	5.4	[illegible]
11	5.6	5.1	5.0	[illegible]
12	5.7	5.4	[illegible]	[illegible]

6 Feb 19

cloud of smoke during a heavy [illegible]
during [illegible] an [illegible] [illegible]
[illegible] of [illegible] Strong Wind.
Actual [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] is not [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible]

1540 - [illegible]

1700 - Mr. [illegible] of Phil-Hospital
approaches [illegible] [illegible]
from [illegible] [illegible]
OSK [illegible] [illegible]
about a hour [illegible]
a misdemeanor [illegible]
phone call [illegible]
[illegible]

56

the landfill. Three [illegible] chefs arrived on site about 5 minutes to the hour (~1655)

1710 OSC Wu arrives on site. The TAT inform OSC of misinterpreted message. The fire officials leave

1755 TATs Pyles and Gnat decon and prepare to leave site

1805 B Woodstock leaves site.

1810 OSC Wu drives past hotline and into site to check the placement of the cap on the S end of the site

1815 OSC Wu drives back out into support zone. Discuss progress and future plans. TAT Pyles fills out work order

1830 OSC Wu and TAT leave site

R.G.

57

August 29, 1985 - Thursday

0830 TATs Pyles and Gnat arrive on site. USEPA Vernetta Simon on site.

0835 B. Woodstock of Mid-America pulls up.

Discuss need for safety meeting w/ fencing contractor. TAT Pyles [illegible] John Klusner + Geophysics Professor @ Western Illinois University to discuss remote sensing techniques. Concurs with Proton Magnetometer survey and E.M. survey to be the most suitable technique. His estimation of 50-60% chance of success.

1103 Two camera crew from WMAQ (Grant Light, W Tuber) arrive on site. Ask what is to happen today. Discuss fence installation. The crew gets called away on another assignment.

0920 TATs Gnat and Pyles make site entry to continue on site survey. The site note made

during the time TAT are on site are based on information from USEPA rep Vernita Simon who was logging the site.

0935 OSC Brian Wu arrives on site.

1008 Mr. Prendergast of the Chicago Environmental Control Div drops by site to check on status.

1026 Steve Markawich of Mid-America arrives on site. will be bringing office trailer later today.

1039 Reporter from the [illegible] Calumet Reporter arrives [illegible] site. Mr. Bergsik asks questions [illegible] site status. Particularly [illegible] in air emissions. Ms. Simon [illegible] him over to USEPA public [illegible] personnel.

1097 Steve Markawich leaves site.

1100 Mr. Bergsik of Calumet reporter leaves site.

1130 TATS Pyles and Gnat decon. Reporters from Channel 26 arrive on site (Carol Ramos, David Sterling).

the USEPA reps not talking to reporters at all. A report being taped. TATS Pyles and Gnat discuss w/ reporter (off camera) the status of situation and what is presently being done.

1205 Reporters from Ch. 26 leave site.

1215 OSC Wu leaves site. TATS and USEPA rep Simon go for lunch. All checks separate. Return to site. Prepare for second site entry.

1230 TATS Gnat & Pyles, accompanied by USEPA rep. Simon enter site. Finish pounding final stakes. 50 foot grid complete. Show Ms. Simon features of site.

1415 Ms. Simon decons. TATS Pyles and Gnat begin labeling and flagging all stakes of the grid.

[illegible] Jim Sitars of Mid-America

60

Arrives on site to drop off requested materials for developing more intensive decon procedures.
1535 TATS Pyles and Gnat run out of tape to flag state Decon. Discuss decon requirements w/ Mr. Sitarz of Mid-America
1555 Phil Newton and Steve Makarewich of Mid-America arrive on site. Office trailer is brought in and set up on North end of s[illegible]ll be leveled and b[illegible] tomorrow. Discuss [illegible] lab set up for wa[illegible]ples w/ Mr. Newton. S[illegible]t can't get analyses [illegible] least one wk. TA[illegible]lls Weston Northbrook office regarding the possibility of setting up a lab through special projects. Will see what happens.
1625 Steve Markewich leaves site.
1645 Mr. Newton leaves site.
1650 TATS Gnat and Pyles load

61

up vehicle and prep surveying gear for decoming.
1720 USEPA repsimon leaves site. TATS Gnat and Pyles secure site. Leave.

RG

August 30, 1985 Friday

0815 TATs Grant and Pyles arrive on site.

0825 US EPA rep. Verneta Simon arrives on site.

0845 TAT D. Bellotti on site, he will monitor OSEPA personnel, who will arrive on site today to perform a "walk over" survey of the RR embankment w/

0905 V Bartlett and M Vendl, [illegible] USEPA on site to perform survey.

0925 TAT Stoffelen arrives on site, EPA & Bartlett & Vendla leave to find adequate location to calibrate their instrument [illegible] is to [illegible] noise" on [illegible] the site [illegible] discusses the likelyhood of [illegible] data from geophysical surveys, particularly via this method, at this site. TAT [illegible] site paperwork, plans for todays tasks.

1000 TAT Bellotti & EPA enter site in Level C to perform survey

1025 Crew from Region Fence arrive at site today to begin [illegible] on

constructing fence & gate at site, eventually a 6 ft chain fan fence w/ 3 strand barbed wire on top across north entrance, continuing southward along top of RR embankment, to be tied in with existing fence (MSD) in SW & NE corners of site, w/ 20' gate at north entrance, is planned for. Reportedly, the prior operator Steve Marshall has conceded to fund the fencing work, although OSEPA has guaranteed payment via CERCLA funding should Marshall [illegible] deliver promised money.

[illegible] 2 [illegible] arrives [illegible] brief interview. TAT Bellotti and EPA completing survey. One hot [illegible] indicated on the RR bank [illegible] of the old [illegible] structure.

1045 TAT members Pyles & Grant enter site in Level C to ribbon the grid stakes. TAT member Stoffelen enters site to perform additional OVA survey work. Weather: overcast, relatively cool, ~60°, breezy from N. Initially OVA survey pts 1-6 were revisited & these locations indicated on a fresh site map, the

original having been misplaced. After a 10 to 15 minute period after igniting the OVA it had eventually equilibrated at 5.8 for a 5.8 ppm ambient reading. Pts 20 + 21 were chosen on the north and south portion of the cap over the north burn area, respectively. Readings at these 2 pts.

		OVA reading	
pt	west	ground	disturbed grd.
20	5.7	5.7	5.7
21	3.7	~9, up to +10	~15

I checked several cracks in the clay on the south portion of the [illegible] over the slope near OVA survey pt [illegible]. A few cracks yielded no increased readings, several yielded consistent readings [illegible] no needle jumps indicating [illegible] increases of 20 to 80 ppm. One crack pegged the OVA at 1000+ ppm. Available drager tube readings were taken in the hole created by the stake marking OVA pt #21, using HCN, partic CN and chlorine, with negative

results. [illegible] to south cap and checked 3-4 points in [illegible] portion of cap w/ no increases in ambient readings. The flatter surface seems to afforded better compaction of the clay. OVA then run out of hydrogen gas.

~1215 [illegible] TAT & Stoffenah, Pyles [illegible] [illegible] off [illegible] [illegible] [illegible] [illegible].

1230 TAT member [illegible] leaves site. TAT Stoffenah does talked w/ workers from Mid America who state the flash pt tester & chemist will not make it to site today, hence samples of surface materials [illegible] yielding increase OVA readings will not be collected today, rather on next Tuesday. TAT leaves for lunch, [illegible] [illegible] It was learned that Weston will do the Special Project Geophysical work along the west end of site. TATs collect materials to establish a 10' x 15' grid over the slope of the RR embankment to facilitate this survey which will be performed by TATs and Weston Corporate personnel over the upcoming weekend.

1310 TAT & Stuffed Pyles [illegible] to [illegible] and [illegible] personnel from [illegible] Fire Dept regarding past [illegible] current work & status of site. [illegible] begins work on establishing grid on slope.

1400 Transect breaks w/ which TAT was utilizing to work on grid. TAT Pyles contacts Weston's Bob Hranauskas, learn that the grid does not have to be exact; just keep it consistent w/ respect to distance [illegible] the rail road tracks (20 ft [illegible] N-S line of grid). Work this [illegible] utilizing tape measures to make [illegible] on first line atop RR embankment.

1700 Fence crew leaves [illegible], will return tomorrow.

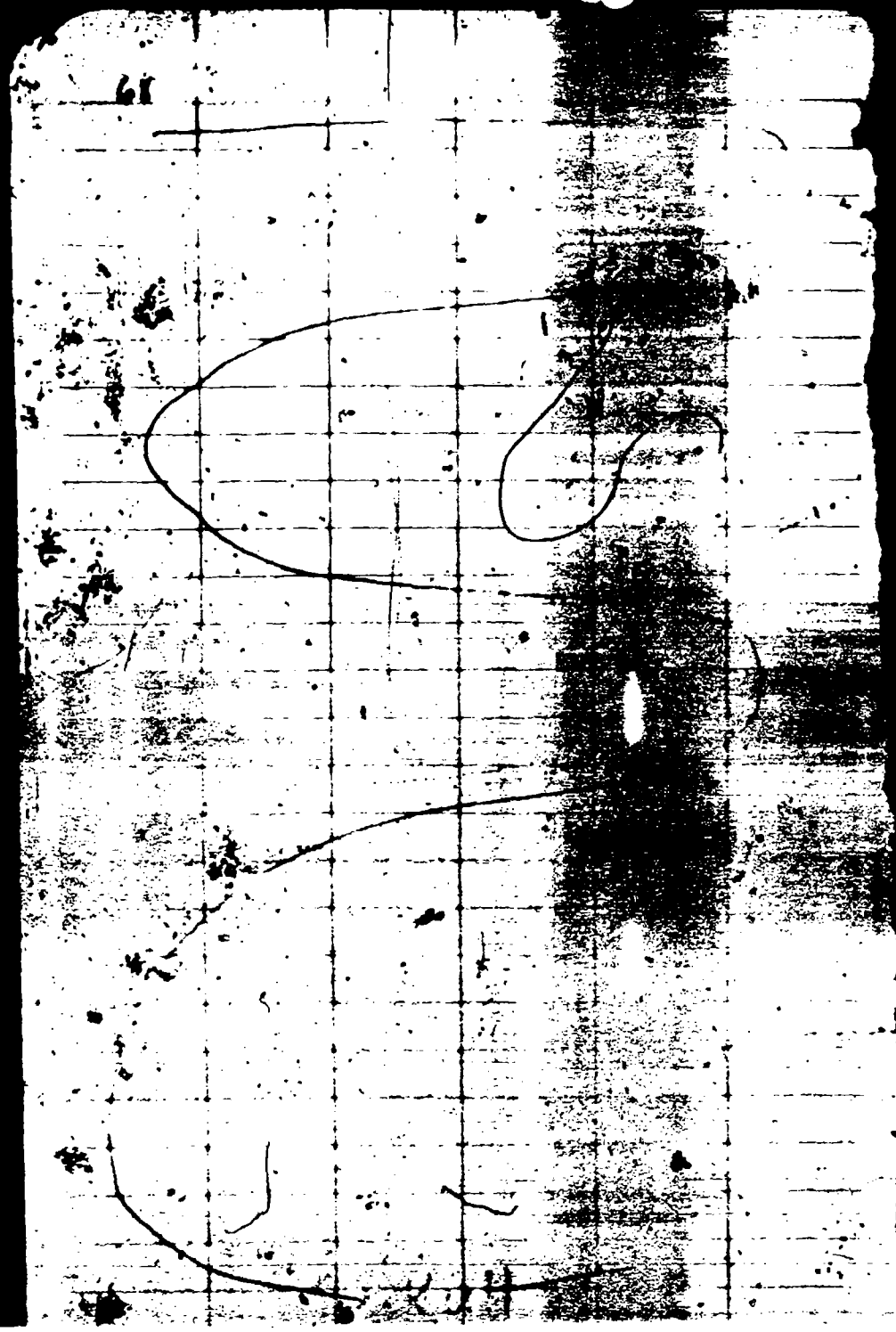
1830 TAT has completed first N-S Transect along top of RR embankment.

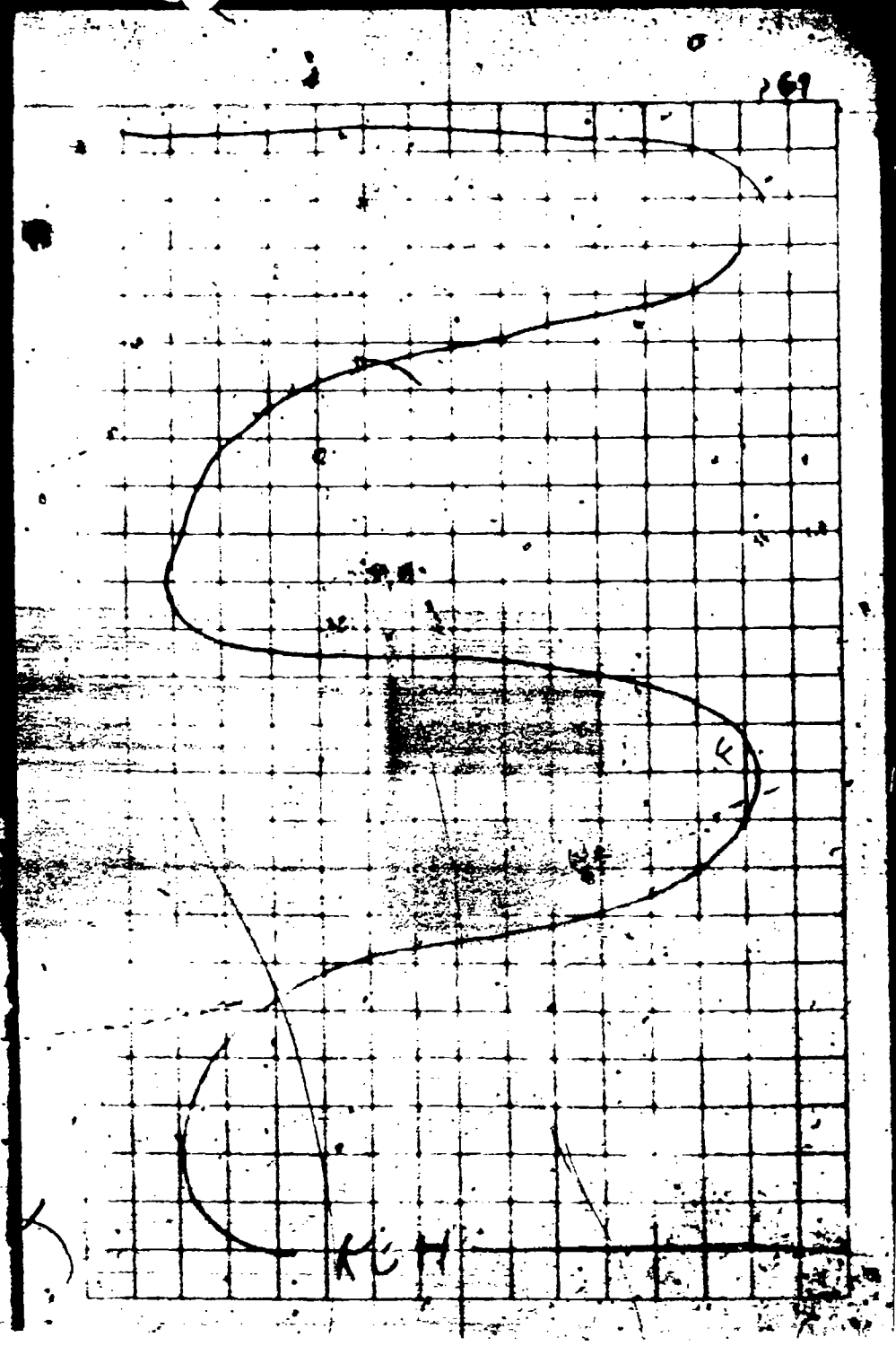
1815 TAT, exit site. When working on RR embankment just N of hot zone entry pt, small broken glass [illegible] were found in the [illegible] material comprising [illegible] at the

location, indicating possible [illegible] A good mark up w/ 1st scaphys grid [illegible] & the 50' grid markers on site was obtained [illegible].

Addendum - Mid American has established an office trailer on site, formal this a.m.

31 August 1985





9/4/85

4 September 1985

0850 TAT members Steffleck [illegible] arrived at site. Overcast ~70-75° [illegible] from [illegible] OSC [illegible] [illegible] along w/ [illegible] people + fellow from Chicago Health Department. Informed [illegible] that [illegible] not get methanol, [illegible] they were out. TAT [illegible] checking [illegible] updating other paperwork.

K.L.H.

TAT Steffleck [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. Samples were collected at [illegible].

#	Time	Location	Photo
2	1015	[illegible] [illegible] of [illegible] of [illegible]	1
3	1020	[illegible] [illegible] [illegible] sludge	2
5	1025	[illegible] [illegible]	3
8	1030		4
			[illegible]

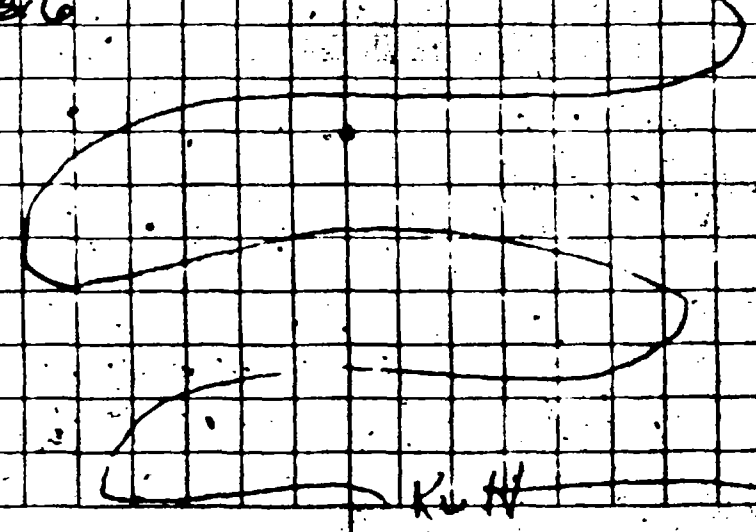
pt	time	condition	photo
[illegible]	1135	black sludge [illegible] then layer of [illegible] sediment	5+6
17	1200	same as above	7
18 pt 6	1215	thick black same dried sludge	8
pt 8 19	1220	only seep atop pooled water	9

Out of hot zone at 124[illegible] members of SIT on site they will [illegible] soil gas samples. Two [illegible] were [illegible] collected at each [illegible] jar for later priority pollutant [illegible]sis, and a smaller [illegible] jar [illegible] be given to Mid America to [illegible] flash pt analysis.

1325 - OSC [illegible] has [illegible] his office, the [illegible] infrared [illegible] has shown that the south burn areas are apparently out, but the north burn area appears to be spreading northward, northwestward and eastward. OSC [illegible] would like to pull temp probes

from south of site and place them around north cap. Tight rain now. During time in hot zone, noted fence [illegible] pulling in posts atop [illegible] they are now about even with the incinerator, perhaps a few feet further [illegible]

1530 JAT Stoffer[illegible] departs site.
1830 Brand [illegible] Returns from site.
1900 hrs TATM Aron [illegible] departs site.
5 September 1985 Thursday
1000 hrs: TATM Arvin and [illegible] of US EPA arrive at site
1030 hrs: TATM Pyles arrives on site



KWH

6 Thu September 1985

1005 TAT Aronian on site. SRT crew & Mid America crew already present, IRT continuing soil gas sampling survey. Monitoring from Chicago FD also here.

1025 - TAT Pyles on site. TAT Aronian has been working on paperwork.

1135 - MISS people on site

1150 OSC WU on site

1250 - TAT Pyles leaves w/ Chicago Fire Dept people (Cpt Doraghty [illegible] 1130) to review video tape of [illegible] Infra Red fly over

1300 - 3 people from [illegible] on site w/ 1 from USSR [illegible] headquarters Review site w/ reference to MITRE

1390 - TAT Stafferson [illegible] Review site w/ MITRE/USSR personnel go over site history, discuss HRS said that only way to [illegible] HRS score was via documented [illegible] release, capping fire is now reduc[illegible] soil cover over > 2cm effective [illegible] reduce any volatile emissions. [illegible] set up sampling stations - 2 [illegible] of swamp

west of site, 2 at W fence & 4 at east fence, sample when wind is from west - eliminating MSD & scrap yd to no [illegible] interfering sources.

1250 - TAT member Pyles returns to site w/ FD after having reviewed IR video tape. Goes on site w/ OSC WU to delineate areas which should recieve additional cap.

1645 - TATs Aronian, Pyles & Stafferson leave site. Had discussed w/ OSC [illegible] MITRE people stated w/ [illegible] HRS & the site. [illegible] monitoring / sampling [illegible] monday, but no specifics, [illegible] any plan to [illegible] will be [illegible] Friday 9/6, he said he did not care what our plan entailed he wanted to do his own monitoring / sampling. TAT requested he coordinate w/ other agency personnel requests so we do not [illegible] our efforts.

76 8 7/6/85

6 September 1985

WEATHER: Raining, warm [illegible] °F, [illegible]
S.W. wind. Afternoon [illegible] Sunny

0725 TATM Aronian and [illegible] on site. TATs begin to work on daily paperwork

1000 TATs informed by foreman [illegible] clay deliveries will not be made [illegible] subsidence

1030 TAT Matz gives OSC Wu [illegible] from 8/16-8/19 for signature

1330 Electricity cont. to be [illegible] site. No clay trucks on site yet. [illegible] to work on daily paperwork

1430 TAT Matz gives OSC [illegible] from 8/20 to 8/29 for signature [illegible] to work on daily paperwork

1600 TAT Aronian off site [illegible] clay will be brought on [illegible] TAT. Matz will be on site [illegible] per TAT's [illegible] Work will begin tomorrow at 0700

1615 TAT Matz off site for the day. CBM.

77

September 7 1985

WEATHER: Sunny, warm, app. 80°F, light South West Wind

0650 TAT Matz arrives on site. Mid [illegible] already on site.

0700 OSC Wu telephones site to give info to TAT. Clay trucks should be arriving around 0730-0800. TAT working on daily paperwork.

0730 OSC Wu telephones site to give info to TAT. Clay trucks should be here at around 0800 and operation will start spreading clay. Steve M. (Mid America) knows boundries.

0825 Clay has still not arrived on site. OSC Wu arrives at site.

0915 1st load of clay arrives

0930 2nd load of clay arrives. Trackers on site moving clay around.

0950 4th load of clay on site.

1025 Begin fence on site to complete fence construction. 5th truckload of clay arrives at site.

1040 6th load of clay arrives at site.

Channel 2 arrives at site [illegible] a follow-up story.

1050 7th load of clay in.

1052 8th load of clay in.

1120 Superior Sanitation [illegible] of toilet

1127 Superior Sanitation off site

1137 9th load of clay in

1150 10th load of clay in.

1205 11th + 12th load of clay [illegible]

1230 Steve (Mid-America) [illegible] + [illegible] for more clay to [illegible] out to [illegible] since the [illegible] will not [illegible] [illegible] weeks [illegible] that 3[illegible] [illegible] + no more [illegible] OSC Wu talks [illegible] See about getting [illegible] again that they will [illegible]

1300 Mid-America is unable [illegible] up any more clay after [illegible] on 1500 today deadline. Due to [illegible] enough clay today they [illegible] to cap tomorrow [illegible] have to be [illegible] up tomorrow [illegible] 14th

loads of clay in

1310 15th load in.

1320 16th load in.

1355 17th load of clay in

1400 18th load of clay in.

1410 19th load of clay in.

1412 20th load of clay in. Only 21 loads will be brought in today because 38 is total which includes 8 from the other day. OSC Wu states they may be able to get more clay, but TAT [illegible] leave at 1500.

[illegible] 21st load of clay arrives on site [illegible] load of [illegible]

TAT Matz [illegible] the day [illegible] 1985

WEATHER: cloudy, warm, approx. 70°F, light South West wind.

0730 TAT Matz arrives on site. Mid-America and OSC Wu already on site.

0735 First [illegible] gave by TAT Matz [illegible] on daily paperwork. OSC Wu states that 56 [illegible] trucks of clay [illegible]

90

brought in ~~yesterday~~ [illegible] Sunday [illegible] was
done on site yesterday

0835 TAT Michols [illegible] on site. TATS
Work on Daily paperwork [illegible] on
site to [illegible] and [illegible] the day.
MAID [illegible] Working [illegible] dozer
Heavy Rains curtail all of site activities
for the present. Unable to get dozer
out of day - so they will have to bring
in another dozer.

1015 Comm. [illegible] [illegible] [illegible]
hooked up.

1017 New dozer arrives [illegible]
dozer out.

1045 MAID-Amaya on site [illegible] to [illegible]
[illegible] dozer.

1105 Second train goes [illegible] dozer
out of Hot Zone. New [illegible] on
site to [illegible] [illegible] - will
exit site today.

1120 New dozer off site [illegible] was completed
on Saturday.

1135 3rd train goes by site

1205 4th train goes by site

1300 5th train goes by site

1307 6th train goes by site

1340 TAT pyles arrives at D.S. Scrap site.
TATS Michols + Pyles will begin set up of
grid on new day cap. No stakes will
be set up on slope until compactor gets
down there. Compactor should arrive
then afternoon.

1356 Train goes by

1420 Train goes by

1510 TATS Pyles + Michols out of Hot Zone.
New grid has been set up and top of
day cap.

1545 TAT pyles off site for the day. TAT
Michols will be on site [illegible]
TATS will not be putting in the mail.
Pickup only due to Safety Reasons.

1600 Compactor and New dozer on site to compact
slope. Other dozer & sheeps [illegible] [illegible]
today. TAT Michols off site for the day.

1615 New dozer on site to compact slope [illegible]
hydraulic compactor.

1630 TAT [illegible] off site for the day. [illegible]

82

Sept. 10, 1985

Weather cloudy, slight. [illegible]

Temp ≈ 60-65°F [illegible]

0845 TAT [illegible] arrives [illegible] MID-America already on site [illegible] wv [illegible] present on site. 2 MID-America [illegible] entering Hot zone. TAT [illegible] doing daily paperwork. [illegible] MID-America on site [illegible] 55's [illegible]

0900 MID-America cut off [illegible] MID-America foreman [illegible] that [illegible] Brown [illegible] thermal probes [illegible] operate [illegible]

0910 TAT asks Steve M [illegible] will be on site so [illegible] probes. He says [illegible] in about an hr. TAT [illegible] on daily paperwork.

0920 MID-America states [illegible] will be [illegible] 1/2" [illegible] pipe [illegible] will only [illegible] probe to [illegible] be [illegible] the same [illegible]

TAT asks about capping the [illegible] so that there won't be any [illegible] gas. Steve M says that they will be capped and this was the way OSC wanted it done.

0930 TAT does not have 55's for [illegible] yet.

0955 DPO Bob [illegible] calls, sits looking for OSC [illegible] - OSC not on site yet.

1000 Train goes by. TAT still working on daily paperwork. MID-America waiting on operator [illegible] 55's. Operator will [illegible] in the [illegible] thermal [illegible]

1020 OSC [illegible] arrives on site.

1030 Comm [illegible] arrives.

1035 MID-America mechanic arrives on site.

1040 Mechanic [illegible]

1050 [illegible] on site to [illegible] off [illegible]

1100 Operator from [illegible] arrives on site.

1115 Electricity comes on Train Go
By Mid-am going on site to start setting up Probe
1130 Train Goes by.
1140 Lt Manning @ Fire Dept. Here to talk to OSC Wu.
1150 Lt. Manning leaves site and says that he will come back later. Midamerica [illegible] on site placing thermal Probe
1230 Train Goes by. OSC Wu — getting Ready to go on site.
1250 Anathematrain goes by Ron McFadden on site Talking w/ OSC Wu
1310 OSC tells TAT, after TAT Asks that the ~~[illegible]~~ ceiling amt. has been raised to 150,000.00
1330 Handed 55's from 9-4 and 9-5 to OSC Wu to sign.
1415 Midamerica Workers Back on site setting up thermal probes. TAT Working on Daily Paperwork.
1500 Mid America Still on site. TAT still working on Daily paperwork
1645 Mid-America Workers out of that [illegible] TAT still working on Daily paperwork
1710 TAT gives OSC Wu 55's

From 9-4-85 to 9-9-85 for him to sign. He says he will sign them later. OSC informs TAT that he can leave if he wants. TAT staying until paperwork caught up like it should be. Train Goes By Midamerican Workers back on site. TAT finishing paperwork and getting Ready to leave. OSC informs TAT that he only sees a [illegible] TAT [illegible] paperwork, that's all on [illegible] TAT [illegible] way, and OSC states that he no longer feels that he can trust them and take a chance on making the Agency look bad.
1730 TAT Nichols leaves site for the day.
Sept. 11, 1985
Weather: Mostly sunny, temp ≈65°F, slight Breeze.
0915 TAT Nichols arrives on site. Midamerica and S. Oamaica, 2 [illegible] and L. Butler from US Corps Remedial Branch were walking the [illegible] tracks Bordering the site. They said they were on their way to another site and they were just stopping by. They did have a camera and were

taking some pictures. MID AMERICA [illegible] SITE
Checking Readings on thermal probes. at a
Dozen is Auttling out surface by MID-AMERICA'S
Response VAN. TAT Working on Daily paperwork
0958 TRAIN GOES BY
1003 TRAIN GOES BY
1030 Rep MAR Ph. Newton ARRIVES on
SITE.
1035 OSC WU ARRIVES on SITE MID-AMERICA
Still on site Reading Monitoring Probes
TAT Working on Daily Paperwork.
1050 TAT MICHELS ASKS OSC WU if
the "6" ID pipes which are being
used for the thermal [illegible] have
been capped. OSC [illegible] they have
been capped". TAT ASKS what have
they been capped with and OSC once
Train States "They've been capped". He Would
Not tell TAT, when asked twice, what
they were capped with
1110 TRAIN GOES by - 1150 MID AMERICA off
1226 TRAIN GOES by [illegible] ROUTE
TAT has to ASK S Markowitz (MID-AM)
what they have capped the pipes with
he says that they have been using

TAPE OSC WU hears conversation
And then states and ASKS about getting
Cork caps - MID AMERICA States that that
what they are trying to do. TAT MICHELS
Says they might want to use HARD
Rubber Caps (TAT MICHELS also mentioned to MID AMERICA
Yesterday about using Rubber caps). A few
Minutes later OSC WU was saying about
Using Rubber caps - Basically what TAT said
yesterday.
1245 TAT working on Daily paperwork
MID AMERICA also working on paperwork
1310 P. McFarland and OSC WU working
the PCR tracks along Border of site
1315 TRAIN GOES BY
1410 TRAIN GOES BY
1415 TAT and OSC and Ron McFarland
Discussing upcoming activities. OSC and
MID AMERICA feel that once all the
temp probes are set up, they will
only need people here to monitor the
temperature - possibly only 1 man
here during the day and [illegible] here
during the night. OSC also states
that he won't be here all the

time but will be coming in periodic

1530 C.F.D. Chief arrives to check how things are going. S. Warkentwich arrives w/ rest of the pipe

CRM

OSC states again [illegible] he feels a need for TAT is to do the paperwork and thats all. He says that he doesn't feel that there a need for them here if all the paperwork is done.

1540 3 MDAmerica workers getting ready to go on site to [illegible] pipes for thermal [illegible]

Addendum to 1530: CRM

- Fire Dept. Chief said [illegible] Reviewer Questions from the press [illegible] the possibility of Dioxins of other OSC [illegible] that he doesn't know how they've heard about them. That we have not said anything.

1555 OSC talking about him and Resp. Mgr. Ron McFarland and operator coming out tomorrow to walk by the tracks and McFarland will show them where things are along the tracks.

1605 D. McCarty(?), Steve Smith from EERU (ERT) arrive on site to drop off samples from Gary IN. OSC wi tells them, after asked how things are going, that he is going to get a feasibility study Dawn by ERT. OSC is still consistently doing things and arranging technical aspects of the project w/out informing TAT. OSC still maintains that all he wants TAT for is paperwork and he keeps saying that CRM the matter of the TATS will be taken care of once the project is over, by him, his office and headquarters - he has even mentioned, in his words, "phasing the TATS out."

1605 ERT leaves site after dropping off samples from storage until lab comes on site.

1615 4 men from C.F.D. (See personnel E&E sheet) came by to see how things were going.

1696 C.F.D. leaves

1715 TAT [illegible] leaves site. CRM

Sept. 12, 1985
WEATHER: Sunny, slight breeze temp ≈ 60-[illegible]

0915 TAT ARRIVES on SITE. MIDAMERICA already on site.

0930 OSC WU ARRIVES on SITE. MIDAMERICA Workers on site near South Bend AREA setting up remaining probes. OSC WU, after TAT telling him that TAT will accompany him and Rep MGR on tour of RXR tracks the [illegible] to find the drums and then will finish paperwork [illegible] says fine. Then OSC [illegible] all paper work and everything [illegible] the U.S. Scrap site is [illegible] U.S. EPA. TAT says: YES, I [illegible] says that the OSC is more than welcome to look in TATS site log (orange bend book) if he wants = OSC [illegible] that that is also U.S. EPA's [illegible] that he doesn't need that TAT to be telling him shit" (Quoted from OSC) TAT [illegible] again you are welcome to look in the site log.

0935 TAT working on Daily [illegible] work. TAT fulfilled Daily work order [illegible]

0940 TAT, OSC and Rep MGR getting Ready to go out and tour the site along the RXR tracks. Once at the Door, OSC asks TAT what he is doing and TAT says going w/ you to see where the drums are. OSC says he wants TAT to stay in the trailer that this is specifically between EPA and Contractor. TAT asks if he is ~~telling~~ CAM Requesting TAT not to go and OSC Responds yes.

1047 TRAIN Goresby. TAT finishing up Daily paperwork. At 1030 OSC leaves site to go back to office.

1105 MID AMERICA crew coming off Hotline.

1115 TRAIN Goresby

1130 MIDAMERICA Workers getting Ready to go back on site. TRAIN Goresby.

1210 TRAIN Goresby. TAT working on Daily paperwork.

1030 TAT Receives 55's from Rep MGR. TAT working on paperwork.

1300 TAT finishes paperwork leaves 55's from 9-10 and 9-11 and daily work order for 9-13 and OSC WU's desk for

92

hmmto sign

1305 TAT leaves site for N'Brook [illegible]

SEPTEMBER 13, 1985

WEATHER Sunny, cool ~70° F, strong westerly winds

1415 TAT member Sally Matz arrives at U.S. Scrap site, Chicago, IL/OSC Wu + Mid-America present at site/TAT Matz works on daily paper-work

1545 TAT Matz comple[illegible] paper work/1900-55s are [illegible] for both contr[illegible] (55s are from 9/12 [illegible] exits site for day

SEPTEMBER 16, 1985

WEATHER Sunny, warm approx 78° F, light southwest winds

0755 TAT member [illegible] Matz arrives at U.S. [illegible] site, Chicago, IL/OSC Wu + Mid [illegible] present at site/TAT works on daily paper-work

0900 Two Mid-America personnel prepare to go on site to check temperature readings on ground thermal probes

0905 Mid-America on site checking temperature readings on ground [illegible] thermal probes/Mid America in Level C protection/Friday cascade + dose demobed

0925 Mid-America off site after temp. readings/TAT awaiting 55s from Mid-America

0930 Mid-America back on-site checking thermal probe temp readings

1010 TAT Matz begins work on 55s

1045 TAT Matz completes 55s + gives them to Mid America for signature

1100 TAT completes paperwork + exits site for day/OSC Wu states that temp. air monit is being typed + TAT will get a copy when

it is completed/infra-red survey done last week can be observed downtown — SM

SEPTEMBER 17, 1985

WEATHER Cloudy, cool approx 70° F, strong south wind

0920 TAT member Sally Metz arrives at U.S. Scrap, Chicago, IL/Mid-America present at site/TAT works on daily paperwork

1020 Mid-America still [illegible] taking temp readings/TAT [illegible] SSS from Mid-America

1040 Mid-America out of [illegible] zone

1100 McFarland (Mid-Am[illegible]) arrives at site/he will w[illegible] get all costs for SSS updated by tomorrow.

1140 TAT completes SSS [illegible] daily paperwork & gives [illegible] to McFarland to sign/McFarland [illegible] SSS & work order & TAT [illegible] them for OSC Wu to sign with note on costs left to complete. Project (not

much left)

1145 TAT Metz off site for day — SM

SEPTEMBER 18, 1985

WEATHER Sunny, warm approx 60° F, strong one wind

1520 TAT member Sally Metz arrives at U.S. Scrap, Chicago, IL/OSC Wu & Mid America present at site/TAT begins work on daily paperwork/Matarawich (Mid-America) states that SSS for 9/17/85 have not been completed & probably won't be [illegible] until tomorrow/OSC Wu has SSS from 9/16/85 & they are ready to be signed/update of all costs will be completed hopefully by tomorrow by Mid-America for SSS/TAT gives OSC work order to tomorrow to sign

15[illegible] OHM personnel on site to get update from OSC Wu/OSC Wu signs work order for 9/19/85/OSC Wu

states that he wants to get exp
osives expert on site to look it
~~[illegible]~~ give him a plan on what
to do + then he will decide —
what to do

1545 OHM personnel off site/OSC
WU talks to TAT's Springer about
TAT's EAP

1610 TAT Matz off site for day — SM

SEPTEMBER 19, 1985

WEATHER Sunny, warm approx. 80°F.
strong SW wind

0745 Arrived at site (TAT [illegible]mber
Sally Matz U.S. Scrap [illegible], IL)
TAT unable to gain access to site
because Mid-America locked gate
while on site taking temp.
readings.

1 0900 Mid-America still on site taking
temp readings/TAT still unable to
gain access to site

0922 Mid-America out of hot zone &
opens gate for TAT/TAT begins
work on daily paperwork/Mid

America does not have SSs
at site yet

0945 Makarawich (Mid-America) states
that three probes will be placed
in north cap permanently bec
cause otherwise readings fluctuate
+ are not very accurate

1100 TAT works on daily paperwork -
no SSs yet

1220 TAT Matz on site to photograph
west bank where drums are
buried

1245 TAT Matz off site/2 rolls of
24 pictures were taken of west
bank/Mid America has not
brought any SSs to the site yet

1345 Steve (Mid-America) states that
he is not sure if SSs will get
here today or not/TAT completes
all other site paperwork & leaves
work order for 9/20 for OSC WU
to sign/Mid-America states SSs will
hopefully be here tomorrow

1400 TAT Matz off site for day — SM

SEPTEMBER 20, 1985

WEATHER Sunny, warm, approx 80°F strong sw wind

1530 TAT member Sally Metz arrives at U.S. Scrap site, Chicago, IL Mid-America present at site/ TAT begins work on daily paperwork/OSC WW was at site and according to Mid-America employee

1555 Mid-America has not brought any SSs to the site yet/TAT waiting SSs to finish up daily paperwork

1605 Mid-America gives TAT SSs from 9/18-9/20 but no totals can be obtained since SS from 9/17/85 not been done-maybe in Mid-America yard/all other costs have not been recounted on SSs yet/TAT works on SSs given to TAT by Mid-America

1630 TAT completes checking of SSs that are here: not much can be done because no totals from previous days

1640 TAT Metz talks to TAT Springer to request that he talk to OSC WW about getting McFarland out here Monday morning to get all the SSs up to date/ TAT Springer will talk to OSC WW

1645 TAT Metz off site for day

SEPTEMBER 23, 1985

WEATHER: Partly sunny, cool, approximately 70°F, strong southwest wind

0745 TAT member Sally Metz arrives at U.S. Scrap site, Chicago, IL/Mid-America present at site

0900 TAT works on daily paperwork/ Mid-America working on SSs from weekend but Mid-America still doesn't have SSs from 9/12-9/15 & 9/17 completed so no updated totals can be achieved

0845 Mid-America states that gun for readout on temp probes fell into water on site & now doesn't

appear to work properly/temp readings are not accurate/they are trying to get another gun/Mid-America states that all completed 55s should be here today but he doesn't know when

0850 Mid-America gives TAT 55s from 9/20-9/22 but they don't have totals because 55s from 9/17 are not here

0905 TAT completes as much of 55s as can be done without other 55s + totals available

0910 TAT talks to ATAT's Geers + he states that TAT Pyles will be at site this afternoon/TAT Matz will arrange with Mid-America for all 55s + paperwork to be given to TAT Pyles + he will bring material back to office

0915 TAT Matz off site for day

1115 TAT Pyles on site, meet with PEI - Tom Whey, O-H Materials John Hankus, Mid-America Phil Newton and Todd Kuhn, Duress

and Brief site activities for shock sensitive materials. The logistical problems were evaluated and not direct conclusions were made. TAT Pyles will brief OSC-WA on this meeting content.

1230 TAT Pyles off site for day - D.P.

SEPTEMBER 25, 1985

WEATHER: Cloudy, cool approx. 70°F, slight southwest wind

0955 TAT members Tom Gainer + Sally Matz arrive at site to work on daily paperwork/Mid-America present at site/Mid-America states that they will only be taking temp readings + air conc once a day/security guard will be on site at night/TAT Matz begins work on daily paperwork/Mid America will give TAT Gainer tour of site

1010 TAT Gainer + Mid America go to walk along rr tracks to view -

site

1030 TAT Gainer + Mid America [illegible] site tour completed/TAT Gainer helps with daily paperwork/Mid America off site

1045 IL State Police arrive at site to inquire about status of site/TAT refers State Police to OSC Wu for information/TAT Gainer gives view of site from rr tracks to state police

1115 IL police off site for day

1125 TAT Matz called [illegible] (Mid-America) about Lut[illegible] [illegible] states that [illegible] 1/5 Lutz can't be charged as subcontractor but as Mid-America [illegible] no 3%

1200 Mid-America back at site

1245 TAT Matz calls OSC Wu with information on state police visit/TATs continue to work on paperwork

1430 TATs complete daily paperwork/55s left for OSCs signature along with work orders/TAT informed OSC by telephone that costs [illegible] over ceiling/

OSC states that TAT should just not write totals on 55s + he is straightening it out

1445 TATs off site for day

SEPTEMBER 26, 1995

WEATHER: Cloudy, cool approx. 70°F light southwest wind

1305 TATs Matz + Seno arrive at U.S Scrap site Chicago, IL/Mid-America present at site/TAT begins work of daily paperwork

1330 TATs off site for day with paperwork completed + left for OSC's signature

SEPTEMBER 27, 1995

WEATHER: Partly sunny, cool ~ 70°F, light wind

1[illegible] TAT member Sally Matz arrives at U.S Scrap site/Mid-America present at site/TAT works on daily paperwork + straightening out cost trkg sheet/TAT calls OSC Wu at office but he is not

in today/pile of 1900-55 need
to be signed by OSC [illegible] work
reports need to be [illegible] also
1315 TAT completes paperwork [illegible] exit
site for day

September 30, 1985
[illegible]: Cloudy, slight [illegible] and
Breeze, temp [illegible]
1000 TAT [illegible] arrives on site.
OSC [illegible] of 1 person from [illegible]
[illegible] on site, [illegible] from Chicago [illegible]
arrives on site for daily [illegible]
[illegible] how things [illegible]
[illegible] they are fine. MID AMERICA
FIELD Clerk arrives on site. TAT
working on paperwork.
1070 TAT working on daily paperwork
55's from 9-27 on one being
worked on by MID-AMERICA FIELD
Clerk. TAT notices that MID-AMERICA
have not been changing [illegible] security
guard. TAT tells him that they
should FIELD Clerk says that
AFI told them that they

should be changing the security
guards on the subcontractor sheet.
TAT and OSC say that he should
change them on personnel, [illegible]
because they are on FERCS
Contract Item. FIELD Clerk is changing
55's to include security guards
1130 TAT and FIELD Clerk find problem
with the security guards log in sheet.
According to Wells Fargo's sign in
sheet, security guards were here
on Saturday [illegible] at the same
time. A MID-AMERICA employee
was present [illegible]. According to
TAT, and OSC [illegible] check for
security guard to [illegible] during the
working hours so the cost for the
security guards during that time will
not be included in the 55's. AFI
will have to assume that 105 because
they should not [illegible] for the guards
when we did [illegible] them.
1200 TAT working on daily paperwork
MID-AMERICA FC also working on
paperwork. MID-AMERICA works

Out of lunch

1230 TAT finishing up paperwork. Guests
55 from 9-27 to 5-30 for OSC
46 to sign MIDAMAN waiver Just Site
in truck

1245 TAT Michels leaves site for the day

10-1-85

1540 TAT Michels arrives w/ SAE completed
paperwork and leaves 55 for OSC to sign

1600 TAT leaves site

10-2-85

1330 TAT Michels arrives [illegible] complete
[illegible] paperwork. Complete [illegible] and
[illegible] for OSC

1400 TAT leaves site

10-3-85

0900 TAT [illegible] Arrives [illegible] to
Complete daily paperwork

1115 [illegible] Departs Site [illegible]

10-7-85

1000 TAT members Ric[illegible] Sally
Matz + Curt Michels [illegible] at
site/weather → sunny [illegible] approx
70°F, light wind/OSC [illegible] plans

to TAT where he would like
samples taken/TAT will walk
along west side of rr tracks
to pull maximum of 5 samples
where areas of concern appear
to be/samples will be analyzed
by ERT for full scan priority
pollutants/samples will be dropped
off at ERT in gary by the
TAT

1004 TAT preps for sampling in
Level C/TATs walk to west
side of rr tracks + begin
looking for areas to pull samples/
5 samples pulled for exact
sample pts see chain of custody
record

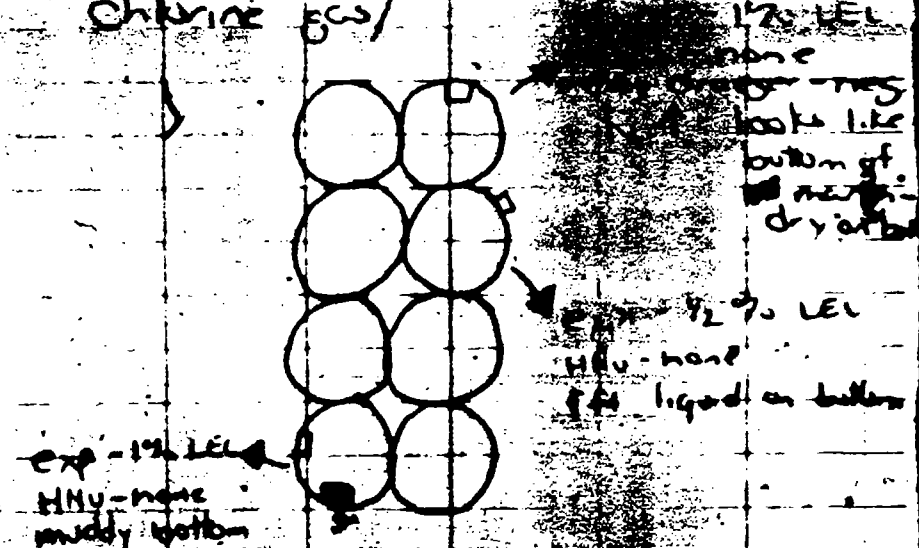
1220 TATs back in trlr to brief
OSC WO on sampling activity/
pipe observed in dead vegetation
area to west of tracks/pipe
comes out of underground + is
bent may be discharge pipe
from site

1230 TATs go to get refreshments

+ will check out silos when we return to site

1320 TATS back at site + entering hot zone in Level C to check out sampling pts in rektion to grid/TATs also make brief surveillance around silos to check for openings + cracks/3 silos of 9. have window size openings many cracks noted in silos

1345 TATS back on site in Level B to check out opened silos c̄ HNu explosimeter + dragger tubes for chlorine gas/



1410 TATs off site/TATs work on dirty

paperwork + tagging samples/ SSs left for OSC Wu to sign

1530 TATS off site for day to drop off samples at ERT in Gary, Indiana

10/8/85

0945 TATMS [illegible] and [illegible] arrive on site [illegible] OHM, & Mid-America [illegible] on site. Awaiting OSC Wu's arrival for safety & contingency plan.

1100 OSC Wu arrives for contingency & safety plan.

1130 [illegible] Dept. [illegible] from the [illegible] Site Dept.

Work Order Prepared for 10/8/85 and 10/9/85. OHM is [illegible] crew and equipment. They are expected to arrive at 1600 hrs today. See Work Plan for 10/8/85 and 10/9/85. OHM will provide their own Corporate Safety Plan. Decision [illegible] will be [illegible] if [illegible] [illegible] [illegible] [illegible]

OH Expose [illegible] [illegible] to
approve to a permit to proceed to
[illegible] the [illegible] [illegible] [illegible].
[illegible] [illegible] will [illegible] [illegible] the
permit [illegible] [illegible] [illegible] [illegible]
[illegible] permit [illegible] [illegible] [illegible] will
be designated [illegible] [illegible] [illegible]
[illegible] [illegible] entry/exit [illegible]
[illegible] cut in the [illegible]. [illegible]
will [illegible] [illegible] [illegible]
[illegible] continue [illegible] [illegible]
[illegible]
[illegible]
[illegible] [illegible] [illegible]
[illegible] avail [illegible] or
[illegible] [illegible] [illegible]
[illegible] an [illegible] [illegible]
[illegible] OH [illegible] will [illegible]
[illegible] when operating [illegible] or
[illegible] [illegible] [illegible] [illegible]
Work will be done [illegible] level C
Protection. OH [illegible] and [illegible]
records on [illegible] [illegible].
OSC [illegible] [illegible] [illegible]
[illegible] that [illegible] [illegible] that

is brought on site and not
authorized by the OSC will
not be [illegible]. The [illegible] [illegible]
will be made available if and
when needed. Until that time
[illegible] [illegible] [illegible] can be used for
[illegible]. [illegible] [illegible]
a [illegible] [illegible] [illegible] of the [illegible]
OH [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible]
[illegible]
[illegible]
[illegible] [illegible] [illegible]
the [illegible] SC [illegible] [illegible] [illegible]
[illegible] [illegible] the [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] will be [illegible] [illegible] [illegible]
to [illegible] [illegible] [illegible] [illegible]
[illegible] will [illegible] [illegible] [illegible]
for the [illegible] [illegible] Time [illegible]
[illegible] [illegible] [illegible] radios [illegible] OH
will [illegible] [illegible] [illegible]. [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
will be provided by OH [illegible]

OHM plans a 6:30 [illegible] work
Schedule. OSC Wu [illegible] approved
overtime and a 12 [illegible] 2
day of schedule.
[illegible] TAT [illegible] site

Wed October 9 [illegible]
0710 TAT M Gr[illegible]
on site.
0730 TAT M [illegible]
Materials [illegible]
OHM [illegible]
558 [illegible]
[illegible]
Entry/[illegible]
0800 OSC Wu [illegible]
TAT that [illegible]
oversee operations. [illegible]
matters [illegible] TAT [illegible]
OSC Wu for [illegible]
0815 TAT [illegible] 55's for
Mid America [illegible]
arose and will have to be
reconciled [illegible] 55 forms
0830 TAT setting up weather station

1010 TAT M's [illegible]
[illegible] with 4 OHM
personnel to survey site. [illegible]
[illegible] of [illegible]
[illegible] will be set
up [illegible] of the cement grain
[illegible] for
[illegible] will be set
up [illegible] of the [illegible]. The [illegible]
Building Separation [illegible] will be
set up [illegible] of the incinerator,
[illegible] will be set up
[illegible] of the incinerator [illegible]
[illegible] OHM plans to begin
excavating fire [illegible] in the
embankment in case of an
ignition. [illegible] every
[illegible] and refilled with clay
to prevent [illegible] of the
ignition source.
1120 TAT + OHM off site. [illegible]
[illegible] protective [illegible]
1215 TAT [illegible] for [illegible] to [illegible]
up [illegible] for weather [illegible]
for [illegible] the fence posts for [illegible]

so they can complete [illegible]
survey to their excavation [illegible]
on the bank.
1315 Arrive back on site [illegible]
working on weather station and on
labels for the fence [illegible]
1500 Chicago [illegible]
500 gallons of water for [illegible]
Trailer.
1515 TATM's walk from [illegible] to
put up grid markers [illegible]
fence.
- Workers go to get [illegible]
construction of shelves
1635 Three USEPA [illegible]
personnel arrive on site [illegible]
questions about procedures of [illegible]
1640 EPA personnel leave site.
TATM Fargo gets weather station
ready for set up tomorrow
1700 TATM Fargo leaves site.
- Lumber arrives.
1730 USEPA OSC Wu & Mr. Bob Burden
arrive on site.
1740 USEPA personnel leave site.

1750 R. Bartelt & L. Seglin of
USEPA arrive.
Two Grapo from IEPA arrive.
Discuss approach to cleanup w/
Mr. Bartelt.
1800 Capt. Dougherty of CFD arrives.
USEPA personnel leave.
- OH workers leave.
1815 CFD leave. IEPA leave.
TATM Grant makes sure site
secure. Leave.

Thurs October 10 1985
0700 TAT & OHM arrive on
site. OHM having a safety
meeting. Meetings will be conducted
everyday by OHM. Work Plan
for 10/10/85 submitted by
Regina Mayr [illegible] Work Order
prepared by TAT. See CERCLA
Binder for details.
0900 TAT Reporting CERCLA
Summary & Work Orders
1100 OSC Wu arrives on site.
1115 TAT working on materials flow

[illegible] for handling of [illegible]
after excavation.
1200 E&E personnel on site
1245 TAT Departs site [illegible]
and to go to [illegible]
[illegible] in [illegible]
1350 TAT [illegible] on site
1st load of Clay arrives
2nd & 3rd load of Clay [illegible]
behind. All loads are [illegible]
1405 TAT [illegible]
Weather [illegible]
1544 4th [illegible]
1550 5th [illegible]
1600 6th [illegible]
Full about [illegible]
1600 Wells [illegible] On [illegible]
1610 J E Stanbury [illegible] load
on site. [illegible] will start
[illegible]
1630 7th [illegible] Loads
Full. 8th & 9th Loads Arrive
1900 Daily Meeting. Discussed 55's
Proposed Work Order for 10/11/85.
See CERCLA Binder for Details

1830 TAT's [illegible] Depart Site. [illegible] depart site.

Friday, October 11, 1985
0700 TAT M Grant arrives on site.
Contractor signing in. Brief
meeting on days operations.
0725 First clay truck rolls in
(load 10).
0740 Next two loads of clay
arrive. Check trucks loads look
fine [illegible]
- Loads [illegible] coming in. Keeping
track on separate paper. Having
every few trucks weighed.
Foreman on site spotting where to
dump loads.
0900 FIT team arrives on site.
Note: @ ~0830 reps from railroad
arrived on site. Had brief meeting.
Performed radio check from ~3 mi.
distance.
- Work continues on staging pads
and construction of bunkers

1030 OSC Wu arrives on site.
Review billing w/ OSC.
- Discrepancies on mob billings for small equip (i.e. [illegible])
- Discrepancy on per diem [illegible].
1045 Mid America field clerk arrives on site.
- Clay continues to be [illegible].
Work progresses on const. of bunkers.
1145 1900-55 forms comp[illegible]
Discrepancies on billing [illegible] main
George [illegible] of Tetra [illegible]
arrives on site.
- Dump truck gets [illegible]
1235 [illegible] Gnat leaves [illegible]
for lunch & to [illegible]
1345 TATM Gnat returns [illegible]
Last of clay shipments come in.
Prepare safety poster.
1500 TATM Faryan arrives on site.
Unload air monitoring equipment.
TATM Gnat helps FIT Team collect air bag samples.
Loads of gravel delivered.
1515 TATM Faryan leaves site.

1540 The air bag samples collected.
Work continues on shelving, bunkers, and staging pad.
1610 FIT air bag samples taken by Geo. Klinger to ERT lab.
1620 FIT leaves site.
- TAT trying to get Hi Vol sampling organized. Will borrow FIT Team Hi Vol samplers.
[illegible] crew going back [illegible] leaves.
[illegible] guard still not on [illegible]
[illegible] TAT leaves site.
No security guard yet. OSC Wu & Resp. Mgr. remain to wait for guard.
~~[illegible]~~ (26)
Monday Oct. 15, 1985
Cool & sunny.
0690 TATM Gnat arrives on site. Resp. Mgr. already present.
0655 OH crew arrives. Sig. in.

0700 Safety meeting. Reggie Mgr introduces everybody and reviews layout and history of site. Review site safety zones etc. Review loading procedures.

0725 Meeting ends. Work begins.

- Move port shack onto site.
- Spread gravel around trailer
- Work on gillian pumps.

0750 Talk w/ OSC Wm. Bring up to date on progress. Discuss air monitoring approach.

0800 Mid-Atl. rep. Lick Kitchen arrives. Dons level C to perform air monitoring.

0805 Reps. from railroad arrive on site. Drop off radio to perform dry run for operations regarding trains.

0830 TAM Gainer & Grant enter site level C. Put up 5 gillian pumps. Inspect site. Berms look fine. Staging pad by silos a little small.

Diking for rail pad needs to be fixed up.

0945 Decon. Discuss observations w/ foreman. Says he'll have the silo pad enlarged and fix dikes on rail pad.

- Talk w/ OSC Wm. Inform him of findings. He may be out this afternoon.
- He says to document the monitoring equipment brought out by TAT and USEPA last Friday. He wants all OH & Mid Atl duplicate equipment demobed as of last Friday. Tell him that TAT can not inform contractor of the demob. It is something the OSC has to take care of. He agrees to do it. Following documents monitoring equip brought on site by USEPA / TAT.

1 - HNU PID 2 radiation detectors
1 - Tracor Pump
7 - Gillian pumps
7 - Port radios

1000 Shipment of air tanks delivered. Check 55's for 10/10, establish HNU sampling stations on a site map. T 66°F, Wind from the NW @ ~1-4 mph

1215 TATM's Gainer & Gnat leave for lunch or supplies

1315 TATM's Gainer & Gnat return to site. Review and complete Site Safety Plan.

1350 Grappler attached to the track hoe?

1400 Test grappler out. Move into site and prepare to start excavating fire breaks

- Set up arrangements w/ PEI for receiving the OVA w/ strip chart recorder

- Set up arrangements w/ Dave Pyles for calibration of High-vol units.

1520 TATM Gainer performs circuit of afternoon. HNU monitoring. Refer to air monitoring data sheets for details.

- Work proceeding on schedule. First fire break being excavated

- All portable shacks & buildings up.

- Radio contact w/ railroad going

well.

Set up fire contingency btwn Capt Doughety, OSC, and Resp. Mgr.

1610 TATM Gainer back in trailer

- Meeting on fire contingency continues. We have dry chemical and purple K on site. Capt Doughety would like to triple the quantity on site.

1[illegible]0 OSC W/ leaves

TATM Gnat dons Level C and retrieves the Gilian air monitoring pumps and takes photos.

1735 TATM Gnat back in trailer.

- Looked at first fire break @ about the 600 foot line. Did not really hit any drums. After only a few feet hit fresh embankment. Very hard.

Take down all air pumps

Request response mgr. to beef up the decon line by establishing proper boot wash facilities. Also to clean up the area as it was very messy.

- Log in all tubes Plug up & put in envelope & freezer
- Get together tomorrow work order
Do daily summary
1830 Workers signing out
1840 Secure site Security guard already here TATs leave site

Wed. October 16, 1985

0655 TATM Gaver arrives on site RM Kinkes is present. OHM crew arrives @ 0700. Topics @ safety/work meeting. complete fire lanes OSC Wu will inspect them; FIT will use metal detectors to monitor fire lane excavations. RF reps will periodically inspect slope reconstruction; wire decon trailer get trash (office) dumpster, clarify contamination reduction zone, line the crush pad, test blasting caps. Mtg ends 0720.
0730 TATM Michols arrives. T=49°F little wind from WW
0830-1000 TATM Gaver & Michols [illegible] to [illegible] pumps. No elevated organic vapors, though freshly excavated soil has reading of 6 ppm (relative to benzene, HNu probe, 5.2E spec). OSC Wu

on site (trailer) with Chicago fire [illegible] to discuss emergency notification procedures
[illegible] OSC Wu leaves the site. EPA PR staff are on site. 1130 OSC returns from MSD mtg
[illegible]-1195 TATM Sena and McVie conduct Weston safety audit
[illegible] 1245 TATM Gaver breaks for lunch
[illegible] 1315 TATM Michols breaks for lunch
[illegible] TATs [illegible] Gaver on site with 3 A-VOC Sample units and one variable flow calibration orifice. Two units are known to be operational and have been calibrated. The 3rd unit is operational but didn't calibrate. Will try the third unit with penetrator.
[illegible] Unit unload and stored outside the door of office trailer
[illegible] TATs [illegible] Gaver discuss No-VOC program with OSC Wu will [illegible] every operational hours and

will analyze for full
scale the first 3 days and
once parameters are known
then is tailored. No [illegible] pro-
gram will be [illegible] by [illegible]
Set-up is to start 10-27-85
1555 Meeting Complete
1615 OHM [illegible] OSC [illegible]
discuss 1955 [illegible] [illegible]
with [illegible], OSC [illegible] [illegible]
sign off due to [illegible] [illegible]
[illegible], (Jack Pyles, [illegible] [illegible]
Michels present) OSC feels
that manpower should be billed
but at [illegible] [illegible] [illegible]
specialist OHM says they [illegible]
[illegible] manpower should come
from the closest available source
OSC [illegible] [illegible] [illegible]
[illegible] phone conversations with
Dorthy Britton in Contract
office stating OSC [illegible] position
[illegible] [illegible] to [illegible] given [illegible] 50 mile
Radius [illegible] work more than 10
hour day OHM should be

given full per diem. OSC
[illegible] threats of stop order.
OSC explains per diem for
gov. feels that home office
is less than 50 mile Radius
Rule. OSC acknowledges this
but disagrees. feels amount
charged is excessive. OSC [illegible]
states contract indicated that
OHM has [illegible] power out of
New Lenox should be [illegible]
sufficient. OHM expresses
desire to be consistent with
Corp. policy and achieve
response objectives. OHM
suggests 1955 be signed and
passed on to headquarter for
evaluation. [illegible] idea [illegible]
that would result in large expense
that would exceed purchase price
in long run, would like the idea
[illegible] and relinquished at
the end of project. OSC [illegible]
didn't say when he could sign this
but indicated he would

review 1955 s. Safety Plan
Sign-off will be handled
at 10-17-85 Gnat Safety
Meeting. J. Kankis will see to it
1645 Meeting Completed
JR 10/16/85 TPrice, OH materials, Bilan,
Dario Pyles monitor
1650 Channel 7 TV New Copter
Fly over Sight
1700 TAT's Pyles, Gnat Depart for
Northbrook
1715 TATs [illegible] + Gainer Conduct
HNU Air Monitoring and Collect
Gillian pump up Tubes
1815 Task complete TATs Log off
October 17, 1985
0645 TATs Gnat/Pyles on-site
0705 TATM Gainer on site. OH/Al, safety/
work plan mtg. in progress. T=50°F, wind
from SW @ < 3 mph
0800 TATMs Gnat/Pyles don level C
enter hot zone to set up Gilian air monitor-
ing pumps (6) and HNU monitor.
0840 1 Garbage dumpster is delivered on site
by Ace Disposal Systems.

0845 TATM von Heimburg arrives on site
0920 DSC Wu arrives
0935 TATs Pyles/Gnat return to trailer.
- All Gillians set & running.
- Moved secondary area behind
the separation house along road.
Transfer prev. staged drum into
this zone.
- Morning HNU readings complete
- Found old cylinder just
south of crushing bunker.
Bring up to attention of
foreman. Will be removed!
- Suggest to use overpacks near
excavation
1005 Pete Tedeschi, Larry Jensen
of U.S. EPA, Radiochem
briefing conducted for the
TAT. Will identify Survey
equipment and areas of
survey on-site. TAT will
lit TAT personnel and
show site. U.S. EPA is
briefed on Site Safety.
1035 TAT Gnat TO Shine

to purchase BANANA o

1115 Gnat RETURN on site

1145 OSC-Wu meets with Pullman Community Representative. STATES Community Concern for Toxic Air emission OSC Wu explains Contingency Provision Air Monitoring with Rep. A.J. Pulher. TAT Gnat explains excavation procedures Pulher wants to know for community interest if anything happens he wants the community to know at once.

BW BW DUP. (BG)

1225 Meeting Complete

Larry Jensen suggests a radioactive action level of 2-3 times the background level. Site rad. survey with TATMs Gainer & von Reimburg and EPA Jensen & Tedeschi does not show any radiation in the embankment. They leave 1 rad. meter on site (# N04528, probe 8645)

1310 TATM Gnat enters site w/ 3 members of USEPA Techn. at Support

Team. Test out metal detector for embankment. Should be sufficient for ~~pop~~ purposes needed. Check all Gilliams → working. Excavation from 900 to 1000 produced ~20 drums.

- Tech. Support Team videos part of grappling operation from distance.

1420 Decon. They leave magnetometer for TAT use.

Begin preping stands for the high-vol samplers

1700 TAT. GAINER collects Gillian Pumps

TAT Gnat finishing up 1900-55 forms. Find discrepancy. Change made on 10/10 forms w/out informing PCT. Go over changes, Balance both books

Note: Earlier meeting w/ Resp. Hyr & OSC. Finding many drums of leakers. Not many lab packs get. Will have main staging area enlarged. Want to

start up sampling procedures for drums.
- TATS pyles and Von Heimburg leave site.
1800 TATM Gainer leaves site
1810 Workers sign out - Security guard not on site yet. Take care of work order
- PEI has not yet set lab arrangements for charcoal tubes.
1835 TAT Gnat signs out
Resp Mgr leaves. OSC waits for security guard.

OCTOBER 18, 1985 - [illegible] DP

0645 TAT on-site [illegible] support activities
0705 [illegible] conducts safety/work meeting. T=61°F, wind < 3mph from the N, rain. Review cut work order
0720 Meeting ends workers prepare to suit up. TATM Von Heimburg arrives.
0740 TATS prepare daily Air Monitoring program, Gillians have been wrapped in Triplock wage to protect from rain at DP

indicated by Corp Manufacturers Representative.
0835 Gillians checked out and prepared. TATS discuss site Air monitoring Array for Gillians and Hi-volume pumps - see Air monitoring log for site locations and pump numbers
0900-1020 HNU survey to include several additional monitoring stations on the Railroad
0910-1020 Gainer and Von Heimburg set 8 Gillian pumps on site.
1020-1105 TATM PYLES AND GNAT GO ON SITE TO SET LOCATIONS FOR HI VOL SAMPLERS
1020-1030 TATM VON HEIMBURG COMPLETES H-NU SURVEY - GETS READING AT COMMAND POST AND THE TOP OF R.R.
1030-1100 TATM GAINERS VON HEIMBURG COLLECT LIST FOR GAINER TO GO

~~TO~~ TO ACE TO PURCHASE SUPP
1105 TAT M PYLES & GNAT BACK
1115 TAT M GAINER GOES TO ACE HARDWARE TO PICK UP EXTENSION CORDS FOR HI VOL / SAMPLERS.
1115-1145 TAT M PYLES & GNAT CALIBRATE THE HI VOL ~~TO~~ PLATE (69a) TO PREPARE TO GO ON SITE
1155 TAT M PYLES & GNAT ~~[illegible]~~ GO OUT ON SITE TO FINALIZE SET-UP OF HI-VOL & CALIBRAT
1215-1235 TAT M VON HEIMBURG WORKS OUT DAILY SITE COSTS FOR U.S. SCRAP FOR TAT ON DATES 10/16 & 10/17.
1235 TAT M GAINER ARRIVES BACK ON SITE W/ SUPPLIES - 3 LOCKS FOR HIGH VOLS, 3 EXTENSION CORDS, 4 PLUG ADAPTER AND 4 BAR ADAPTER
1250 TATS Gnat / Pyles ATTEND to Calibrate Hi-Vol problem

with Manometer to Calibrate. Tubes appear to be sticking. Therefore untrustworthy.
300 TATS inform OSC Wu on manometer problem and won't be able to Calibrate. OSC calls TATS no Manometer. Will Monday
520 TAT Mis Pyles, Gnat, & Von Heimburg leave for lunch.
1430 Heavy rains stop excavation due to poor visibility. ~~[illegible]~~ Superior Sanitation ~~[illegible]~~ pumps out port toilets.
1450 TATS return from lunch.
1500 OSC Wu calls off work for remainder of day due to continuous heavy rains.
1545 Overpack drums are delivered.
730 TAT/OSC paper work completed
1735 TAT Pyles Departs for workbook office

Saturday October 19, 1985

0700 TATMS Gainer & Gnat on-site.
- OHM crew arrives and conducts the safe work plan meeting. T = 52°F, wind [illegible] mph from the NW, raining. Although [illegible] Gil air pumps were contained in plastic [illegible] bags yesterday while it was raining, the pumps took in moisture - therefore, the pumps will not be used today.

0835 - TATMs Gainer & Gnat don Level C and enter hot zone to air monitor with the HNU, then relocate and calibrate the two on site high-vol air samplers.
- Grappler starting to excavate aprox. 1200 feet
- High-Vol. No 2 is in 6 inches of water will move prior to calibration.

0900 Complete onsite and downwind offsite air monitoring. Pick up equipment for calibration. Put on overboots.
- Move High vol. to higher area downwind of bunker. Start up generator however v. little power is getting to unit. Also what little

power is reaching the sampler is coming in surges.
Ask foreman if he can have one of his mechanics step up the generator. Paul comes out w/ TAT & works on generator.
- Power running well & calibration procedes. Finish calibrating No 2. Start up generator for High Vol. #3. Calibrate.

1145 Decon. TAT Gainer complete upwind air monitoring along tracks. Have stand built for high vol. #1. Move it to NW corner of site for background. Hook up to generator. No control on vacuum. Can't bring it down. Will try to work backwards from displacement of water in manometer.

1330 TATM Gainer leaves for lunch. Rest Mgr. Reinkes back on site. Capt Dowhaty of CFD waiting for OSC Wa to return.
- Work progresses in sampling of drums. TAT reviews CH

half of [illegible]
[illegible]
[illegible]
[illegible]
145 Discuss flooding [illegible]
OSC and Resp Mgr [illegible]
either have to pump [illegible]
around detonation [illegible]
channel it off [illegible]
part of the site. Tomorrow
forecast for [illegible] see
how much worse problem gets
- Discuss possible areas of lab
packs. OSC concerned that none
have been found in [illegible]
yet. Feel the drums are
located more toward the base
of the embankment
Will first perform a few
more test digs into bank north
of 600 foot pole: if nothing
found, will start work on base
of embankment.
- As operations move north, will
have to move hotline [illegible] and

put explosives back in [illegible]
[illegible] of site
[illegible] of [illegible]
[illegible] progress of drum staging
and sampling
OSC TAT [illegible] & [illegible]
[illegible] level C to perform
afternoon HNU air monitoring
[illegible] Gillians not set up today
[illegible] a few pumps
[illegible] yesterday. Let dry out.
[illegible] around main staging
[illegible] must be improved.
0740 Workers signing out
[illegible] Stay to complete CERCLA
[illegible] work
[illegible] Security guard arrives
[illegible] OSC left ~ ½ hour previous
Resp Mgr leaves
[illegible] TAT sign out
OCTOBER 20 1985
[illegible] TAT [illegible] on site, [illegible]
guard signing off
Weather: Cloudy, warmest, 55°F
Wind S [illegible] 7 MPH [illegible] S-SE

140

0700 OHM conducts site safety meeting. Address daily activities and issue Dosimeters to all site personnel. See at # recorded in site monitoring notebook.

0725 Meeting complete. TAT Pyles decides that the moisture and probability of rain is certain (intermittent showers occurring at least once an hour). Gillian pumps will, ~~not~~ DF not be established. HNu survey will be conducted.

0740 TAT files Chain-of-Custody form for Gillian Air pump Sample taken on 10-15-85. TAT Pyles and Rankes discuss the magnitude of 10-20-83 Activities. Rankes estimates amount of work scoped by OSC Wu should ~~be~~ DP last until noon. Inquiry made into initiating test pit along the foot of the embankment. It is OHM, TAT, OSC Wu consenses that a major

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of the drums are buried at the base of the slope. It is proposed that a test pit be excavated approximately 100 ft in length at each pit ~ 900 to 1000. TAT contacts OSC Wu, informs of expected progress. OSC makes no decision as to provide or not. Sample P.P. Sales will be out shortly.

0810 TAT Pyles Dance level C to conduct HNu Survey.

0907 TAT Completes HNu Survey; Purge 2 B to B.3 approx.

1020 TAT Vaterburg on site.

1105 TAT to [illegible] to repair leaky tire on EPA vehicle.

1130 TAT consults with OSC Wu about test pit excavation, OSC instructs OHM/TAT to [illegible] physical survey and select optimal point of excavation.

1135 TAT consults OHM, Burchmaker 1000 to 1050 selected to

the 1st dig area. OHM will expose any drums but won't remove unless further authorization

1140 TAT PYLES GOES FOR LUNCH

1200-1215 TAT VON HEINBURG READIES SCBA'S FOR LEVEL B. WORK (REPLACES EMPTY AIR TANKS)

1200 TAT Pyles returns

1240 TAT Pyles contacts TATL and briefs activities summary Discuss TEST pit and scope of work as defined in Action memo. Cover over, if the pit excavation is included as the embankment. The geophysical survey at ∞ identifies the embankment as 3 transects 15 ft. support. TAT will instruct OSC Wu of this pit excavation possible being outside of Action Memo.

1300 Conversation Complete OHM at Lunch

1400 TAT PYLES OBSERVES WORK DONE ON SITE FROM CLEAN ZONE AMMENDMENT

emergency evacuation. Drill to practice procedures. Drill was conducted and site personnel execute procedure properly.

1500 TAT Pyles has discuss scope of work issue with OSC Wu. Wu acknowledges definition of embankment as being the area inclusive of the foot of a slope plus 15 feet. Wu advises OHM Remedies to continue excavation from 1500 to [illegible] and to start test pit 4-9-21-85. [illegible] to be made [illegible] test pit. If [illegible] drums are located then [illegible] will be [illegible].

be 1st dig area. OHM will expose any drums but wont remove unless further authorization

1140 TAT PYLES GOES FOR WORK

1200-1215 TAT VON HEIMBURG READIES SCBA'S FOR LEVEL B. WORK (REPLACES EMPTY AIR TANKS)

1200 TAT Pyles RETURNS

1240 TAT Pyles contacts TATL and briefs activities summary Discuss TEST PIT and scope of work as defined in Action memo. Conc. over if the pit excavation is included as the embankment. The geophysical survey [illegible] identified the embankment as 3 - Transect 15 ft apart. TAT will instruct OSC W[illegible] of this pit excavation possible being [illegible]

[illegible]

at Lunch

1400 TAT PYLES OBSERVES WORK DONE ON SITE FROM CLEAN ZONE [illegible]

[illegible] conducts a

emergency evacuation [illegible] practice [illegible] conducted and [illegible] personnel [illegible]

[illegible]

15[illegible] [illegible] work issue [illegible] [illegible] activities [illegible] the [illegible] of the test of [illegible] [illegible] [illegible] to continue [illegible] [illegible] [illegible] [illegible] start test pit 10-21-85 [illegible] [illegible] [illegible] [illegible] test pit. If [illegible] drums are located then [illegible] would be [illegible]

[illegible] BRAND [illegible] CASUALS [illegible] TO BE SERVICED NEAR THE DECON TRAILER.

1600 TAT Conduct [illegible] Survey

1675 [illegible] [illegible] [illegible] [illegible] [illegible]

1630 TATS consult OSC Wu for the rest of today's [illegible] — TATS Log [illegible]

OCTOBER 21 1985

Cloudy, 53° winds 4mph S-SE

0645 TATS GNAT/Pyles on site

— AMMENDMENT —

After the initial excavation the degree of consolidation of the native embankment has been hard packed and very consolidated. The OSC has decided that the backfilling would wait until the entire embankment has been exposed.

0700 OSC Wu calls. Requests TAT to deliver [illegible] calibration kit [illegible] back to EPA [illegible]

TATM Gnat leaves site for down town.

0820 TATM Gnat returns to site. OSC Wu has informed

TAT that he would possibly like another geophysical survey of the site embankment also that old operator is coming out to site this afternoon to determine if we missed the lab pack packed of drums which haven't been found yet.

— OSC Wu wants only a subset of the Gillian tubes to be sent for analysis.

0930 TATM Gnat relinquishes Gillian tube samples to John Reukes for delivery to Gulf Coast Labs.

1030 Hydraulic line to grappler fixed. Work resumes on excavation of embankment.

Both HNU probes malfunctioning. [illegible] OSC if [illegible] mobil & [illegible]. OSC says [illegible] will bring out a new HNU unit today.

Note: Gillian Pumps not put up

today. OSC feels + too damp (weather dizzy).

1110 Prepare for temperature probe monitoring.

- All probes showing ambient conditions. Work progressing on excavation of embankment @ ~ the 600 mark.
- Main staging area still looks pretty poor. Diking still not fixed.

1220 Decon. TATs discuss probe readings w/ Capt Doughty of CFD.

- Talk w/ OSC Wu over phone. He is considering having TAT sample soils of embankment.
- TAT Gnat suggests that maybe some of crew be [illegible] [illegible] [illegible] drum is uncovered. [illegible] now there is a lot of [illegible]. OSC says he'll discuss the suggestion w/ Resp Mgr later today.

1250 [illegible] on lunch. TAT M. Pyles leaves site for lunch.

1300 Pyles returns

1400 TAT OSC, DRM, [illegible] [illegible] excavation of [illegible] pit. Pit will be [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] pit.

1230 TAT [illegible] 14:55 [illegible] [illegible] check [illegible] [illegible] [illegible] that were put out. When air reaction [illegible] was uncovered, off gas, phosphorus (?), [illegible] and monitored. No [illegible] [illegible].

1455 TATs await Security guards arrival.

Security guard [illegible] leaves site.

OCTOBER 22 1985

1410 TAT Logs on 53°F partly cloudy, winds out of West, less than 3 mph + gusts to 5 mph.

0840 TATS Gamer, Pyles [illegible] air monitoring.

0930 Test Pit excavation begins

1000 TATS on R.R. track, Observe of site Air Monitoring, HNU.

100 – Test Pit gaining liquids strong solvent odor, TAT informs OHM Foreman, Suit up with CGI / HNU,

1025 TAT phones OSC w/ [illegible] him of liquid problem. Will Call Back after visual [illegible] is made.

1030 TATS prepare for on site [illegible] Enter in level B. Air monitoring around test dig.

– HNU – 10 – 15 units

– CN Monitor –

– Explosion [illegible]

[illegible]

1100 Decon the contractor will sample [illegible] the liquid in the pit. TAT discusses options. TAT on Pyles calls OSC [illegible]

to inform him of situation. OSC will be coming out shortly.

1220 TAT leaves for lunch. Four samples pulled by contractor.

1315 TAT Returns from lunch OSC on site. Meeting w/ TAT, [illegible], CFD Doughty and Resp. Mgr.

+ Meeting summary:

Embankment has been excavated w/ ~70 drums pulled. Test dig down to original base of embankment shows large quantities of heavily contaminated water. Situation as currently stands redefines the hazards and threats. With the drums, [illegible] below grade & essentially [illegible] water [illegible] explosion hazards are minimized. A few more test digs will be performed along the embankment. Same liquid situation is found

15C

their action will be considered over, the embankment will be backfilled & contractor demand
- TAT requested to perform soil sampling of embankment tomorrow 5 samples total. Composite from every 100
- Aerotic geophysical survey aft backfilling may be requested
- Captain Dougherty expresses concern over the possible remain for explosion hazards
Bring up discussion regarding clay capping and gas venting system. No specific decisions made

1925 Meeting finished.

1600-1705 TATs Gainer and Gnat perform on and off site air monitoring with the HNU and Gilian air [illegible] Prevailing wind direction [illegible] and organic [illegible] of the north and west sides of the site.

1730 RM Reeves says that he thinks drums can be removed (partially) [illegible] from test pits without

[illegible] of them [illegible] the [illegible]

1800 [illegible]

[illegible]

[illegible] Condition [illegible]

0740-0740 TATs Pyles, Gnat, or Gainer don level and enter hot zone for air monitoring [illegible] vols (4), Gilians (8), HNU, OVM [illegible] collecting and staging surface drums and constructing the lab pool south of the lab pool separation building

1300 Pyles or Gnat break for lunch

1500 Pyles, Gnat, or Gainer don level C and [illegible] samples from past [illegible] intervals (grab) in the excavated trench along the RR embankment (4 per each sampling location). The remaining [illegible]

mere will be sampled tomorrow (900 [illegible]

1640-1715 Grad. [illegible] hot zone (LL) for [illegible] air monitoring

1640 OSC [illegible] leaves the site

1730 OHM crew leaves the site

1800 TATS lv. site.

OCTOBER 24 1985

0650 TATS [illegible] prepare to dig [illegible] are [illegible] to [illegible]. This [illegible] is based on the results from previous Air samples [illegible] showing no detectable [illegible]. Therefore, a larger volume is justified. No [illegible] have been observed.

0885 TATS establish off-site [illegible] with HNU [illegible]

0835 HNU off site complete and [illegible] established [illegible] program

[illegible] TATS [illegible] in [illegible] preparing sample [illegible] and [illegible]

Excavation continues. No [illegible]

[illegible] of [illegible]

TATS [illegible] and great [illegible] slope of embankment [illegible] side of tracks. Measure off length of slope. Perform trig calculations for location of original embankment base on the [illegible] slope. [illegible] calculations original base is 3 to 4 feet west of present base and [illegible] 3½ feet down should be [illegible] the drums with present digging efforts.

1135 Discuss w/ OSC [illegible] the results of calculation. Suggest that small test digs be performed every 50' from post 800 to 1000. OSC wants the entire length trenched rather than just test digs.

[illegible] OHM performs [illegible] test [illegible] excavation of site

1150 TATM [illegible] receives phone call. Person says he is w/ [illegible] (King for daily briefing)

Brief the person in progress and inform that no detonations are being considered. After the call Dave Pyles informs Rich Grant that he already apparently talked w/ MSD today. One of those calls may have been a reporter.

1210 Workers take lunch

1245 Work reconvenes. Will dig from 800 to 1000. Drum sampling finished

- Pick up for samples prepared

1330 OSC Wu arrives on site

Fill OSC in on progress. Excavation continuing on embankment.

- OSC wants pot eyewash demobed (he brought USEPA unit out).

Also the explosives equipment

- [illegible]

1540 OSC Wu goes out on site in level C. Checks on progress.

TATM Michels arrives phone call from Reagan & Attorney General. Asked questions about old

site equipment operator. Refed to OSC Wu. Will call back when OSC returns from site

- Water tanker is under way; Per subcd Mill-Jimmie to deliver the water

1610 OSC returns to ~~comm~~ [illegible]

1[illegible]5 [illegible] log off

OCTOBER 25 1985

0700 TAT'S log on

prepare air monitoring equipment for day. Calibrate HNU. OSC Wu not on site. However TAT Pyles conversation with TAT [illegible] 10-25-85 [illegible] OSC request to take 5-6 soil samples anywhere on site. The samples are to be taken from the surface. Dioxin Samples were also requested. TAT advise OSC that we should wait for [illegible] results from the post-site Scans. Wu also indicated that he did not want use to discuss this

program with anyone. DSC
• We said that this would be
no work 10-26-85 and 10-27-85.

0740 DSC - WU arrives on-site

0930-1000 TATS perform offsite HNU air monitoring and prepare for on-site HNU air monitoring as well as on-site surface soil samples.

1030-1300 TATS on hot-zone to perform HNU air monitoring, collect 5 surface grab soil(TS) samples, and monitor all temp. probes on the landfill area. Readings (both HNU & temp) did not deviate significantly from background.

1330 OH crew leaves hot zone

Complete 10/24 55's

1445 TATS lv. site. SH.

program with anyone. DSC
Wu said that Wu would be
no work 10-26-85 and 10-27

0740 DSC - Wu arrives on-site

0930-1000 TATS perform off-site HNU air
monitoring and prepare for on-site
HNU air monitoring as well as
on-site surface soil samples

1030-1300 TATS on hot zone to perform
HNU air monitoring, collect 5 surface
grab soil samples, and monitor all temp.
probes on the landfill area. Reading
(both HNU & temp) did not deviate
nificantly from background

1330 CH crew leaves hot zone
Complete 10/24 95's

1445 TATS lv site EH

10/28/85 - Monday
Weather Sunny & in the 60's
No work over weekend.
0655 TAT in Gnat & Pyles arrive
on site. Contractor signing in
Safety meeting
0720 Off load bulldozer

Prepare backhoe for demob.
0730 TAT complete all labeling
for samples collected last
friday
- Wu continues on hooking up
Hoods to dozer
0830 TAT prepares to do air monitoring
0920 TAT completes [illegible]
[illegible] off-site [illegible]
of the program [illegible]
[illegible] TATS [illegible]
[illegible] on site work.
1130 TATS complete [illegible]
program [illegible]
[illegible]
[illegible]
[illegible]
[illegible] D.P.
1145 DSC Wu request 2 Dioxin
Samples to be taken as an
additional evaluation of site.
TAT Pyles contact TAT MATZ
for arrangements with Gulf.
[illegible]
1155 TATS Gnat/Pyles to

lunch while OSC Wu remains on-site, permission for tats to lunch was given by OSC Wu.

1230 TAT Pyles / Gnat Return from lunch.

Map up all soil sampling points to date

Review 1800-55 forms.

Work progressing very slowly.

1440 TAT Don level C protection conduct South Cap Temp. Survey. All Temp Ambient. All [illegible] OVA survey and [illegible] [illegible].

1[illegible] [illegible] complete.

1635 Off-site monitoring & Gilian [illegible] collected.

1700 TATs complete paperwork for sampling and daily paper work.

1715 TATs wait for security [illegible] AMMENDMENT

[illegible] per 1145 conversation with OSC Wu, No sample points were

[illegible] as to [illegible] the sample ~~[illegible]~~ [illegible] [illegible] TAT comments on the slow progress of Activities. Cold Materials [illegible] site could have been completed [illegible] while [illegible] OSC Wu discussed demolition of equipment that won't be necessary. This equipment has been outlined in [illegible] paper work - (Daily Work Order). T.A.

1840 Security Service [illegible] TATs / [illegible]

Tuesday October 29, 1985

0655 TATS Gainer and Gnat arrive on site. T-48°F, winds ~3mph from SE

0950 TATs don level C and perform air monitoring with HNU and Gilian pumps, monitor the temperature of the landfill and collect 2 surface soil samples to be analyzed for dioxin (sample locations: 55' east of 400ft fence post; 30' east of 80ft post). Off site @ 1115. Then prepare soil samples & Gilian tubes for pickup

160

by Gulf Coast labs.

1230-1330 TATS break for lunch

Review 55's from 10/26-28/85 and complete Chain of Custody forms for soil samples.

- Work continues on backfilling of slope. Port Blaze taken down. Slowly preparing for demob

- TAT works on 1900-55 forms.

1415 Capt Dougherty of CAD arrives w/ a visitor from Brazilian hazardous materials response team. Discuss various aspects of site. OSC & Capt Dougherty discuss evacuation plans for community - No need for one at this point.

1450 Chic. Fire Dept. leaves

1505 OSC Wu leaves site

1545 Gulf Coast picks up samples

1610 TAT Gnat goes to do air monitoring on tracks & collect Gilians

1630 TATs Gnat & Gamer enter Watsone to perform air monitoring & collect Gilians

- Slope backfilled from 1500 to approx. 1050. Must est. better staging area for drum sludges & carcasses

— Observations continued in next log —

CURVE TABLES

Published by KEUFFEL & ESSER CO.

HOW TO USE CURVE TABLES

Table I. contains Tangents and Externals to a 1° curve. Tan. and Ext. to any other radius may be found nearly enough, by dividing the Tan. or Ext. opposite the given Central Angle by the given degree of curve.

To find Deg. of Curve, having the Central Angle and Tangent: Divide Tan. opposite the given Central Angle by the given Tangent.

To find Deg. of Curve, having the Central Angle and External: Divide Ext. opposite the given Central Angle by the given External.

To find Nat. Tan. and Nat. Ex. Sec. for any angle by Table I. Tan. or Ext. of twice the given angle divided by the radius of a 1° curve will be the Nat. Tan. or Nat. Ex. Sec.

EXAMPLE

Wanted a Curve with an Ext. of about 12 ft. Angle of Intersection or I. P. = 23° 20' to the R. at Station 542 + 72

Ext. in Tab. I opposite 23° 20' = 120.87
120.87 ÷ 12 = 10.07 Say a 10° Curve.

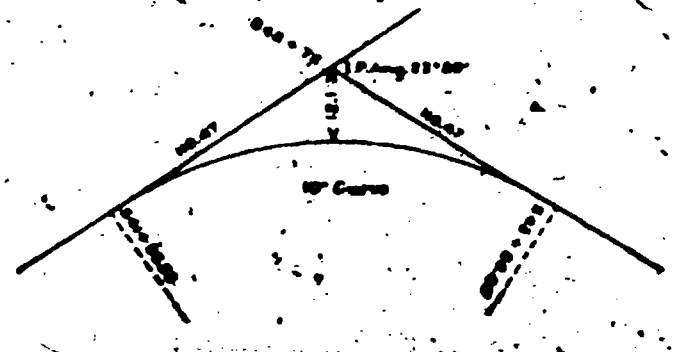
Tan. in Tab. I opp. 23° 20' = 1183.1
1183.1 ÷ 10 = 118.31.

Correction for A. 23° 20' for a 10° Cur. = 0.16
118.31 + 0.16 = 118.47 = corrected Tangent.

(B corrected Ext. is required find in same way)
Ang. 23° 20' = 23.33° ÷ 10 = 2.3333 = I. C.

2° 19½' = def. for sta.	542	I. P. = sta.	542 + 72
4° 49½' = " " "	+ 50	Tan. =	1 18.47
7° 19½' = " " "	543	B. C. = sta.	541 + 53.53
9° 49½' = " " "	+ 50	I. C. =	2 33.33
11° 40' = " " "	543 + 86.86	E. C. = Sta.	543 + 86.86

100 − 53.53 = 46.47 × 3' (def. for 1 ft. of 10° Cur.) = 139.41' =
2° 19½' = def. for sta. 542.
Def. for 50 ft. = 2° 30' for a 10° Curve.
Def. for 36.86 ft. = 1° 50½' for a 10° Curve.



Continued from log book #

~~Some scrap~~ (26)

10/29/85 continued

- Some scrap metal still stacking out of backfilled embankment

1700 TAT decons. Workers preparing to quit for the day"

- Prepare work Order & daily summary

1730 Workers sign. TAT leaves

Wednesday October 30, 1985

0700 TATM T. Gainer arrives on site. Security guard leaves, OHM work meeting is in [illegible]. T = 50°F, wind ~4 mph from NE, mostly clear and sunny

0730-1025 TATM Gainer performs HNU monitoring circuit, places Gilian pumps, and monitors the temp. of the landfill. There's no activity on site, as the dozer is broken - a mechanic comes to the site and it is determined that the dozer must be replaced. OHM gets to work on that.

1025 - EPA Tech Support arrives for videotape the site. Vermiculite is ordered from Mid-America (~50 bags) to solidify the liquid that is contained in the diked area just west of the staging pad (from corroded drums)

1335 Mid-Amer. delivers 50 bags of vermiculite (oil dry). It's taken on site to solidify liquids.

1420 D8 replacement dozer arrives. No mob/demob charges for this delivery

1600-1700 TATM Gainer runs HNU circuit and collects Gilian pumps (HNU readings are close to ambient)

1630 D-8 dozer enters hot zone to continue slope reconstruction

1710 OH crew lvs hot zone for the day

— 55's completed from 10/24-29 and given to OSC W.

1730 OSC W. lvs. site (he arrived @ 0900). Tomorrow's work order is signed

1735 TAT & OA lv. site

Thursday October 31, 1985

0700 TATM Gainer and OHM crew arrives on site. T=49°F, Wind [illegible] from NE, overcast

0800 TATM Gainer runs [illegible] monitoring. It starts to rain (and is reported to continue), so the Gilian pumps will not be put out today and [illegible] monitoring will continue if the rain stops. The solidification operation (just west of staging) has been downgraded from Level B to Level C since the waste has been generally classified as part waste & resins. Level B is not necessary and was [illegible] the operation considerable. A lowboy from OH arrives to remove the dead D-6 dozer

0915 After helping load the D-6, the [illegible] enters the hot zone to continue solidification/[illegible] operation. OH orders 50 more [illegible] of [illegible] from Mid-America - should arrive this morning.

[illegible] TAT's [illegible] Grant [illegible] Air Samples to By [illegible] [illegible] Warehouse. TAT to initiate [illegible] physical Survey [illegible] Co. [illegible] [illegible] field Service

[illegible]

1130

1155

1205

OSC Wu
[illegible]

sik.
[illegible]
[illegible] It
so the
[illegible] #NU
the solidifica-
[illegible] down-
the work
Level 6
[illegible] considerably
[illegible] D-6

[illegible] energy
[illegible]
oil dry
[illegible]

[redacted]

— Amendment —

— A Mmend - 1045 phone Conversation With OSC-Wu. JAT's requested to return Calibration office to City of Chicago. JAT asked Wu if work is to continue this weekend. Wu said not work on November 2 and 3 1985 conversation inquire of Geophysical Survey to Commence on Monday Nov. 4th 1985, Wu said to delay Survey until embankment is completely rebuilt

1130 JAT Gulat phones OSC Wu, inquire about Sillian program to stop - confirmed that program is to stop.

1155 50 bags of oil dry arrives on site. It is taken to the solidifying area.

1205 OSC Wu arrives and briefs two people from a local environmental group. He says we will not work this weekend and that we can stop communication (w/radios) with the railroad as there is no danger associated with the embankment.

1425 OSC Wu leaves site to Conservation Chem. site.
1500 Rain resumes - sometimes heavy. Work continues on site.
1700 OHM crew leaves hot zone. HNU circuit was cancelled this afternoon due to rain. TATM Lynch calls from Conservation Chem site to arrange to use the EPA's OVA which is not being used at US Scrap. The analytical results from the 10 soil samples TAT took on 10/29/85 along the embankment are not finished yet (@ Gulf Coast lab). A composite soil sample taken by OH revealed @ 7 ppm PCB.
1730 TAT & OH leave site

Thursday Nov. 1, 1985
Weather - Overcast & rainy.
0710 TATM Gnat arrives on site. Late due to heavy traffic. Contractor safety meeting ends.
- D-8 dozer is stuck on site. Must get towing service
- Work commences on solidification and removal of metal debris from spoil piles.
0900 Rain continues. Tow truck for D-8 still not out.
0915 Tow truck arrives. Go back to pull out D8.
- Talk w/ Resp Mgr. Renkes. Says can only get 100 loads of clay for embankment @ $95.00/load. Am to run this past OSC for decision.
1020 OH Resp Mgr asks if decision has been made on the clay. TAT says that couldn't get hold of OSC yet.

- Workers
Have
will st
1120 J. A
- Meeting
progress
the high
test di
properly
decides
spoils s
to be b
- OH to
- Clay g
- Mob
- 2 to
storage
- Railr
some
- TAT Gnat
EM 31
Monday
Price
1200 Mee
1205 Wor
1220 TAT
Site
1310 TAT
air & tow
1315 Start
afternoon
Try tow
by

- Workers still working on getting DB unstuck. Have to dig around it. Foreman says it will still take some time.

1120 J. Renkes arrives on site.

- Meeting btwn. OSC, TAT, & OHM regarding progress of project. TAT suggests that the highly contaminated soils from the test dig be sampled and disposed of properly. OH says they will do whatever OSC decides. OSC wu decides to have the spoils sampled and analyzed. The ditch to be backfilled w/ clean fill.
- OH to pursue backfill → 80 loads
- Clay get it need extray.
- Mob front end loader for monday.
- 2 to 3 rolloffs, to place spoils in for storage of spoil piles.
- Railroad eng. is to be out on site some time in the beginning of next wk.
- TAT Gnat arranges w/ Geonics to have an EM31 shipped to Northbrook Office on Monday. Will be billed to Weston Corp. Price is $380.00/wk. - get steam jenny.

1200 Meeting ends.

1205 Workers take lunch.

1220 TAT Gnat takes lunch. Leaves site.

1310 TAT returns to site. Prepare for air & temp monitoring.

1315 Starts to downpour. OSC says to skip afternoon HNU circuit. Too much rain. Try temp monitoring. Probe also effected by rain. Readings of negative temps. Stop

readings for fear of damage to instrument
1400 Take soil composite of spoil piles between 700 & 800' (Sample every 20').
Sample taken by TAT Gnat
- Two tow trucks trying to pull DE dozer out. OH has tow truck drivers in syran suits and full face ultratwins & overboots. TAT Gnat expresses concerns over personnel safety. Notes most suits already ripped. Requests foreman to have all personnel return to hotline.
1430 TAT Gnat decons. Expresses safety concerns to OSC Wu. TAT suggests to hold small safety meeting w/ towing personnel. Fit test the personnel. Review site safety procedures and have sign off on safety plan.
1440 USEPA PR person Pericone holds site meeting w/ a citizens coalition. Refer to site entry log for personnel names. TAT Gnat fit tests workers. Only one agrees to fit test. Rest do not want it. All are briefed on site safety and sign off on plan.
- Talk w/ Resp. Mgr. Will make sure all personnel ~~and~~ are properly dressed and later properly deconned. Tow trucks will also be properly deconned.
1510 TAT Gnat joins citizens meeting. Fire Dept Capt Dougherty & PR spokesman also on site.
OSC explains project and current status.

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Fields questions of citizens. Fire dept spokes person discusses evacuation procedures and fields questions

1535 DB unstuck. Decon of personnel and towing trucks.

Note: Lowboy & OTR onsite to pick up Trackhoe for demob. Decon trackhoe

1550 OSC Wu & EPA PR spokesman takes concerned citizens on railroad tracks for tour of site.

1630 Citizens leave. Work continues on loading up trackhoe for demob Continues to rain heavily.

1730 Trackhoe loaded. Remove from site. TAT M Grant leaves.

Monday November 4 1985 —

0700 TATM Gainer arrives on site - OHM work plan meeting in progress. T= 41°F, overcast, winds @ 8-15 mph from North.

0710 RM Greenwood asks TAT what safety procedures should be followed for the truck drivers of the soil delivery trucks which will be entering the hot zone to bring fill to the embankment. TAT replies that truck drivers should be fit tested (optional) and should where respirators (ultra-twin) when entering the hot zone. Since the drivers will remain in their cab, no protective clothing is necessary. Trucks will be de-conned when leaving the hot zone. Truck drivers will read and sign off on the site safety plan ~~RM~~ Greenwood agrees to this.

0720 The first two loads of fill arrive and RM Greenwood discusses safety plan with

the drivers as outlined above. There will be four truck drivers involved

0800 OSC Wu arrives on site and is briefed on current activities. He approves safety procedures and calls Mid-Amer. to borrow half face masks. OSC requests three Gilian pumps on the west fence "where it starts to smell" - around the stagna/test pit area

0825 TATM Gainer walks along train tracks to air monitor with the HNU. As there are no odors along the west fence today, the Gilians are not put up - OSC oks this. (no odor probably due to low temp. & mostly covered embankment)

0900 TATM Gainer dons Level C and enters hot zone to continue HNU monitoring and landfill temp. probes. Temp. probe reading wildly from 200° to -15°F, so readings are terminated - OSC oks this.

1145 Front-end loader arrives. Slag is placed just into the hot zone for a decon pad for the fill delivery trucks. Trucks are quickly hosed down on this pad before leaving the hot zone.

1330 TAT makes arrangements w/Gulf Coast labs for pick up of soil samples taken 11/1/85 - pick-up today before 1600.

1415 TAT suggests to OSC to demob OH vans, as there are 4 vehicles for 7 OH staff. OSC approves and OH agrees to demob 2 vehicles tomorrow. OSC states that there will be no work this weekend (11/9, 10, 11/85) and site work will most likely finish around 11/12 or 11/13/85.

1500 OSC Wu leaves site and OK's TAT planned departure from the site @ 1600. OH will pop the unused

0700

0725

0730

0800

0740

1500

1600

There will		blasting caps in the detonation bunker this afternoon.
briefed on	150	TAT performs HNU circuit
ty procedures	16P	TATM Gainer deons and leaves site to the airport. Gulf Coast picked up sal supplies from 11/85
masks		NOVEMBER 5, 1985
ps on the	0700	TATS, Arrive on-site, prepare for daily activities, HNU calibrated, Logs prepared, Work & Safety meeting held OAM, Mid-America operator, Weston present, in Trailer.
small" - around	0725	Weather Station readings - 44°F wind 6-8 mph - NW winds, Cloudy Damp, Chance of rain
tracks to air there are no today, the Gilbers this line odor mostly covered	0930	1st truck arrives with "clean" fill material
	0800	OSC was phoner site, request Gulfman monitoring program to be established on the tracks.
ders hot zone	0940	TATS on-site to Monitor Temper. HNU Survey, establish Gulfman on-site
fill temp.	1110	TASK Completed - TATS off-site
ly from 200 to	1140	TATs Grout & Pyles take lunch.
OSC Oks this.	1240	Return to site. Work continues on backfilling of slope.
placed just into for the fill		- Review 1900-55 forms
ickly hosed down		- Shipments of fill being received however there are not enough trucks making the circuit. Will try to get more tracks.
the hot zone.		Also discuss where the roll-offs for the sludge are. Were requested the boxes last Friday.
ot labs for pick		OSC calls PEI. Say that can't get rolloffs until have analyses of
pick-up today		
OA vans, as there		
OSC approves and		
OSC states		
weekend (11/9,10,11/85)		
around		
planned departure		
unused		

the materials that are to be put in
— Will have the contaminated
soil staged on visqueen for short
term
- OSC calls Mid America regarding
more trucks to ship in fill.
1430 TATs pyles & Gnat prep for
site entry. Will perform afternoon
air monitoring and begin to stake
out grid.
1605 TAT Gnat decons. Performs
air monitoring off site.
- Detonation of remaining blasting caps
1630 TAT Pyle decons.
1730 Workers sign out
Secure site for evening.

Wednesday, Nov. 6, 1985
Weather cool partly sunny (AM).
0700 TATM Gnat arrives on site.
OH holds safety meeting. Foreman
Walt Edgecomb in charge today.
Resp. Mgr. Greenwood leaves project
0730 First trucks of fill start to
arrive.
0740 OSC arrives.
0800 TATM Gnat performs off site
air monitoring on railroad tracks.
0820 4 trucks from Lotz trucking leave
because drivers do not want to wait
OSC calls Mr. Ray Lotz.
Mr. Lotz comes out on site. Will
have truckers return

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0840 TATM Gnat enters site to perform on-site air monitoring. Request end loader operator to move some scrap metal from embankment

0920 TATM Gnat decons. Request foreman to have operators remove scrap metal from embankment between 1050' and 1200' feet.

Note: This is something that was to be done already. Demob of trackhoe was contingent on the scrap metal removal

0930 TATM Pyles arrives on site - Check a flow of the loads coming in.

1020 TATM Pyles and Gnat make site entry. Establish geophys. survey grid btwn 0 and 650 ft fence pole.

1140 TATs decon. Inform OSC that there is still a lot of rebar and drum carcasses in the embankment. TATs are to take foreman & show what has to go yet.

1130 Equip. operator radios that one of the underground tanks is slightly leaking.

1150 TATs leave site for lunch.

1245 Return to site.

1250 Review 1900-55 forms.

1310 TATS go on site. Inspect tank uncovered earlier. Essentially a manhole. Filled w/ a dark oil to top. Check depth ~ 42'. Cord off & cover.

A 11

LAKE CALUMET

1340 Go w/ front end loader and
cj tech to pick out metal scrap
from slope [illegible] to [illegible] ft fence
1530 Decon. Dave Pyles informed
that not enough money in special
project for a second survey.
- Fill dirt keeps rolling in ~75 loads
1730 TAT completes daily retrieval. [illegible]
located/a large opening appears to be
a buried tank oil / Black viscous
to land surface. TAT Pyles/Grant detect depth
to be ≈ 40' with drop line.
will accept to contact [illegible]
[illegible] by out Security in duty

Thursday Nov. [illegible] 1985
0700 TATM Pyles arrives Safety meeting
0730 Truck w/ fill start to arrive.
TATM Pyles prepares for on site air
monitoring.
0830 TATM Grant arrives on site w/
fresh safety supplies for TAT.
Complete off site air monitoring.
- OSC Wu informs TAT Pyles that the
exposed tank is to be photographed
and then covered up & marked.
- Geophysical survey [illegible] put on hold
until monies appropriated by headquarters
1000 Review 1900-55 forms.
Review the compat. data from
Gulf Coast Chemist from CA
[illegible] synopsis.

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1185 OSC Wu arrives on site
1155 TATs take lunch
1250 TAT returns to site
1300 TATM Pyles and Gnat discuss progress w/ OHM. Decide to set up geophys. survey Monday morning
1330 TATs Gnat & Pyles enter in level C. Work w/ Cl. Tech & Frontend loader to remove scrap metal from slope along back half of site.
1430 TATM Pyles decons. Leaves
1545 Complete removal of scrap metal
TAT Gnat performs afternoon HNU PID air monitoring.
1645 OSC leaves. Work order signed.
1700 Contractor signs out.
1710 TAT Gnat secures site
1715 Sign out.

Friday November 8 1985

0700 TAT & on-site OHM conducting daily meeting as per daily work order. TATs prepare for daily activities. Calibrations conducted.
0720 OHM commence work on site
0840 TATs Set-up Geophysical grid
1130 Task complete contractor. Re locator contaminated soils for staging. OSC Wu departs to transfer trucks @ EPA garage w/ OSC Simes
1530 OSC Wu / Simes returns
1600 OSC's leave site
A total of 20 truck loads of clay have been delivered. The loader appeared full and of good

A 13

[illegible] back to [illegible] Material, the trucks being only [illegible] full. Concern was [illegible] to the OSC — No Action Taken.

1500 TAT Secures site with Security service, OHM off-site site Secure for Weekend and Monday

November 11 1985

0650 TAT's [illegible] on-site, [illegible] and [illegible] Hutson

0710 [illegible] / Hudson Survey site, [illegible] Pyles Dan [illegible] C protection

0942 TAT's Calibrated EM 31 unit and Magnetometer Donned and Commence Survey

1330 Work Completed, Low geophysical Survey data Collected TAT's to input data

Log off site secure with Security Bruce

November 12 1985

0700 43°F, Cloudy Drizzle, [illegible] Security [illegible] on site. TAT's [illegible] Sampling.

0745 TAT's Gainer arrives on site

0900 TAT's Gainer, Pyle, & Great enter hot zone to sample the well/tank discovered near the 12 K pad. [illegible] exit in Level C, Sampling in Level B. Composite samples are taken at 0, 3, 23, 30 ft. with a Bacon Bomb and 20 ft. tube. Sludge sampling was unsuccessful with the tube. 2-16oz, 2-8oz, [illegible] samples were collected and will be analysed for priority

A 14

pollutants. The liquid obtained appears to be mostly water, brown/green in color, with dark oil-like material floating on top.

1100 TATS leave hot zone & prepare chain of custody forms/tags for the samples.

1135 TATS Gant & Ryles leave the site for the day. On the way out, OSC Wu (arrived ~ 0930) points out some runoff from the Sherwin-Williams plant he would like sampled. Walt Edgecomb (Foreman OHM) states that he thinks all equipment can be demob by the end of tomorrow.

1315 OHM gives 55's from 11/8-11/11/85 to TAT for review.

1420 OSC Wu suggests stopping operations for several days to wait for the site to dry out so the heavy equipment can operate (forecast is for more rain). Foreman Edgecomb states that there's enough work for tomorrow, so it's decided that OHM will finish ~ 1530 today (no OT) and work tomorrow. Security is called to arrive ASAP today.

1430 OSC Wu leaves the site

1530 Security arrives and OH crew leaves signs out.

1555 TAT leaves site

November 13, 1985

0700 TATM Gainer and OHM arrive on site
T = 45°F, wind ~ 5 mph from NE, overcast, wet, [illegible]

0720 TATM Gainer confirms that D&M Chemist J. Bali will collect 3 composite drum samples and will arrange a pick up with Gulf Coast labs, which will include the "well" samples collected yesterday.

0900 D-6 Dozer is being deconned & the weather station is

taken down.

[illegible] OSC [illegible] calls to check on site activities [illegible] hold of [illegible] activities, he suggests [illegible] whenever we [illegible] present [illegible] OSC [illegible] will arrive [illegible] on site waiting to [illegible] finished being decanned. The [illegible] crushed drums removed from the north end of the site back to the crush drum pile [illegible] enters hot zone to collect additional drum [illegible] requested by Gulf Coast Labs.

1170 D-8 Dozer leaves site

1155 OSC [illegible] arrives on site [illegible] samples from yesterday & today [illegible] to Gulf Coast.

1260 OSC [illegible] Foreman [illegible] decide to [illegible] cease work until Monday [illegible] to allow the site to dry. Approximately one day [illegible] is needed to finish work at the site, but since the site is wet now, this work is being postponed until [illegible]. In the meantime the decan [illegible] 30 kw [illegible] port-to-let, [illegible] Cat [illegible] be demolished.

1530 OHM crew leaves site

1500 Security arrives and TAT leaves site

November 18, 1985

0700 TAT's Gauer and Pyle arrive on site. [illegible] is locked. Security leaves at [illegible]

0715 TAT's walk on top of [illegible] standing water condition on site [illegible] raining this morning and [illegible] on site.

0740 [illegible] calls [illegible] to report site [illegible]

OSC says to call OHML

0745 OHM J. Keates says OHM crew will not be on site today because of wet conditions.

0830 South Chicago Disposal delivers, roll off box. One more will arrive the morning, and another roll-off box will be delivered tomorrow. 1st Security will send a guard out within the hour. TAT suggests to OSC Wu to remove office trailer, but OSC wants the trailer to remain on site. TAT & OSC agree that remaining clay spreading can be done when we load the roll-off boxes with the contaminated soil since a frontend loader needs to be mobilized at that time anyway.

0830 . Security arrives.

0925 . TATM Pyles leaves site

1030 . TATM Gainer leaves site. Security will allow Chicago Disposal to deliver second rolloff.

November 20, 1985

1430 TATS T. Gainer and K. von Reimburg arrive at site. OSC Wu is leaving site. OSC requested TAT to take final HNu circuit & monitor all landfill temp. probes locations. These monitoring will not continue unless the OSC requests it. There was no work on site yesterday, Nov. 19, 1985, except that OH picked up some demobbed equipment and OSC Wu was at the site. OSC Wu is aiming to bring OHM back Dec. 2, 1985 to finish clay capping the test pit area and load the roll off boxes w/ the contaminated soil. TATS perform air & temp.

erature monitoring. T = 20°C's, breeze from the west, mostly clear

1650 TATS lv. hot zone. Only one of the three temperature meters was operational, which slowed the operation. Due to limited daylight, not every temp. probe was read - a good representation of the north and south probes were taken. All the probes read ambient temperatures (26-31°C). See temp. log.

1700 TATM V. Heisberg lvs. site. TATM Gainer does site paperwork.

1705 TATM Gainer leaves site. Security is present.