SDMS US EPA REGION V -1

SOME IMAGES WITHIN THIS DOCUMENT MAY BE ILLEGIBLE DUE TO BAD SOURCE DOCUMENTS.

157478

2086-68173

Ethyl Corporation Sampling

2-21-85

sampler: Dale Cira

① talk to J. Sparks re:

- prioritizing the sample sites for collection & analysis
- identifying potentially high concentrations to flag the lab

potentially high samples: 50, 51, 9, 2.6,
tank area # A, B, F, G, H

new const. area # C
100

9-2 for the samples w/ highest concentrations from sites A, B, C, D, E, F, G, I, K, U for 2,3,7,8 TCDD

9-1 run tetra-octo-chlorinated dibenzo dioxins & } prize?
" " " " furans

Cecil Harris 281-7173 JMA office

Mike Kosydor home = 618-234-0401
before 7:30

Jim Sparks 618-286-4637 home
before 7:15

Ethyl Corp 618-274-4000 #216

sampling called on account of rain

Ethyl Corp., Sauget, Ill.

2-22-85

arrived site 8:00

waited for J. Sparks until ~ 9:00, in meeting

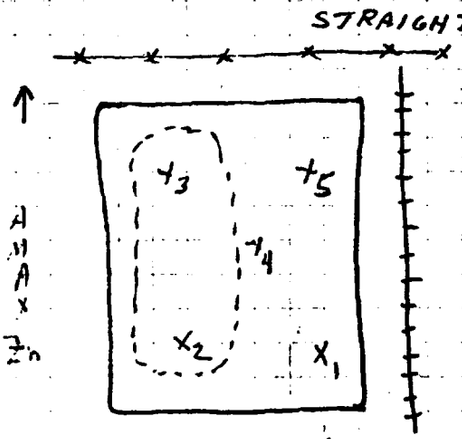
driller arrived ~ 9:30

PRIORITY SAMPLES:

~~H1, H2, I-1~~, J1, ~~P1~~, G1, O1, B1, C1, D1, A1,

M1, F1, E1, N1

STRAIGHT LETTERS IN SEQUENCE



equipment

Sample 4

X_1 0-6 - gravel

12-18 - gravelly clayey, very little recovery

24-30 - liner matl, sand over hard packed clayey grvl

36-42 - sandy clay w/gravel, hit solid matl from ~45"

48-52" - dk grey-black clayey gravel

(abandoned site for time-being due to problems with grouting well borings)

returning 2/26 to complete drilling

$+_2$ 0-6 gravel
12-18 gravel
24-30 clayey gravel
36-42 liner material, dk grave[illegible]
48-54 dk grey-black clayey gravel

pumped bentonite [illegible] to reseal

$+_3$ 0-6 gravel
12-18 powder, compact white layer
24-30 " " " " w/ some small [illegible]
36-42 " " " " w/ clayey gravel
48-54 gravelly clay

pumped bentonite thru auger to reseal

$+_4$ 0-6 gravel & clay
12-18 sand
24-30 sandy clay
36-42 dk brown clay
48-54 dk brown clay

$+_5$ 0-6 sandy gravel
12-18 sand
24-30 sand
36-42 [illegible]
48-54 [illegible]

H-1 1:30 - 2:00

augered through ~6" of asphalt, begin interval below asphalt

drill rig
- X_1 0-6" dk brown sandy, gravelly clay
  6-12 " " " " "
- X_2 0-6, 6-12 } " " " " "

hand auger - X_3 0-6" sandy clayey fill
6-12 clayey sand + gravel } off asphalt

H-2 2:00 - 2:30

no asphalt; road extension from H-1
area gravelled + somewhat compacted for roadbed

$X_1 - X_3$ { 0-6" gravelly clay
6-12" sand + gravelly clay

X_4 0-6" soft, loose sandy clay
6-12" " " " "

P-1 2:30 - 3:00

$X_1 - X_3$ { 0-6" clayey gravel
6-12 sandy, clayey gravel

hand auger X_4 0-6" sandy fill + gravel
6-12" sandy fill + gravel

I-1 3:00 - 4:00

$X_1 - X_4$ { 0-6" coarse gravel w/ clay
6-12" sandy gravelly clay

Ethyl Corp. 2-25-85

DTC

~~Y~~, ~~G~~, M, N, ~~F~~, E,

D,

arrived plant 8:00

begin at sample site J-1 8:15 - 9:30

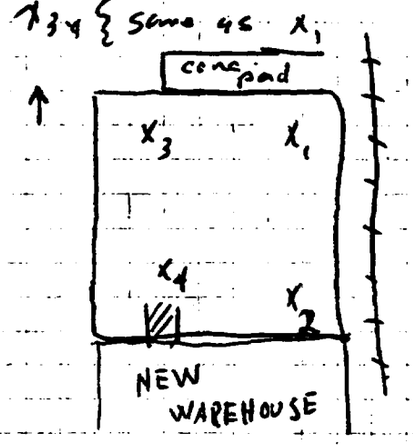
X_1 - X_4 { 0-6 coarse gravelly, sandy clay
6-12 sandy clay

C-1 9:45 - 10:30

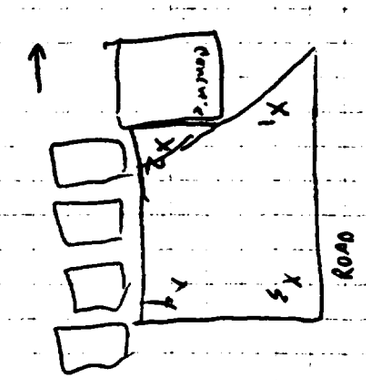
X_1 { 0-6" very compacted gravelly clay
6-12" very compacted clay w/ some small gravel

X_2 " "
@ 6-12, hit concrete at ~ 10½", took sample to that depth

$X_{3\&4}$ { same as X_1



F1 gravel pad, east of tanks, 4 comp 10:00



X_1 - X_4 { 0-6" gravelly sandy clay
6-12" gravelly sandy clay

E-1 1:00 - 2:00
four composites from corners of gravel pad between road + tanks

x_1-x_4 { 0-6" gravelly sandy clay
6-12" sandy clay w/ gravel

C-1 2:00 - 2:45
x_1-x_4 { 0-6" gravel + sand
6-12" gravelly sand

B-1 3:00 - 3:30

only 1 boring, hammered through concrete ~6"

0-6" } pushed 12", recovered only 2½"
6-12" } placed in jar as one sample 0-12"

water has entered hole.
wet, gravelly sand.

R 330-4:00 only 1 boring, through asphalt

0-6" gravel + sandy fill material, some asphalt
6-12 — skipped
12-18 dk gravelly sandy fill

three seperate spoons @ 6"

2-27-85

Continued Sample [illegible] from 2-28-85
see 2-22 notes

remaining holes need to be augered by hand.

(4) (4) (2) (4) (1) (1) (1) (1) (1) (4)
~~D_1~~, ~~M_1~~, ~~N_1~~, O_1, ~~Q_1~~, M, N, ~~G~~, S, T, Q_1

D-1 1:00 - 1:45 (thru ~ 6" concrete, jack hammered & refilled

$x_1 - x_4$ { 0-6 sandy clay w/ gravel
6-12 clayey fine sand, no gravel

M-1 2:00 - 2:30

$x_1 - x_4$ { 0-6 gravel, cinder fill w/ sand
6-12 " , " " " "

N-1 2:30 - 3:00

x_1 0-6 sand & cinder fill w/ some clay
6-12 " " " " " "

x_2 0-6 sand & cinder fill w/ some clay
6-12 " " " " " / " "

Q removed upper 6" asphalt w/ jack hammer
0-6 clayey fine sand, some gravel
12-18 clayey fine sand, very wet, saturated w/ mottles

O_1 soft, fluffy silt grey
from refuse piles

Bud Mason - Jim Sparks boys

shovel
shelby tubes
hammer
pre-mix 1-80# bag.
push broom.
large bucket for bailing off rubble.

2-28-85

~~G-1~~, M, N, S, T, G

G-1 northeast corner of property

A1 0-6 sandy, gravelly clay
6-12 sandy clay, v.f.

A2 0-6 sandy gravelly clay
6-12 sandy clay, v.f.

A3 0-6 wet, sandy, gravelly clay
6-12 sandy, stiff clay

A4 0-6 wet, sandy gravelly clay
v.f. sandy stiff clay

T 0-6"
used auger, sandy + gravel over sandy clay

S 0-12" no sample sandy gravelly clay
12-18" sandy clay

M 0-6 gravel, coarse sand clay
12-18 " , "

N 12-18 [illegible] to 18" ±, [illegible]
gravel, [illegible]

B 12-18 moved gravel away w/ maddock to 12"
collected sample 12-18 w/ auger
gravelly sandy clay