US EPA RECORDS CENTER REGION 5
454472
931707

Berry may have results from sampling.

LF was cleaned up - excavated - several years ago

Something was dumped in river - Hobart may or may not have dumped it. Cleaned it up at that time

~~Elto~~ Electrode mfg. waste still there? Berry would know.

Drainage ditch on S. side of site goes to river

Pond on site - for gravel.

Only construction waste + asphalt are evident now

Some surface water + ponded water has a ~~bright~~ green tint

But vegetation seems to be OK.

Hobart

Sources
Used to do
Wet Painting

Now do powder paint

Paint produces only waste

62 yrs old

Paint is baked on. Unused paint is recycled.

Has been 4 yrs since system was changed.

Wastes with wet paint
thinners
paint

Put in barrels + Ace Liquid Haulers, take it to a site near Cincinnati (Systech?)

LF Has been cleaned up
Dirt
cement

Sampling has been done but not by Hobart.

To: Tom Kouris
FROM: Matt Arnold
Re: Hobart Brothers Dump sites

Memo

After contacting Mark Hall of the OHIO EPA and the Miami Co Helth Deptment no site information was readily avalible on the Hobart Brothers Dump sites.

I then contacted the City tax Auditor and gave her a legal description of the land in question, Sec 17 T5N, R6E, NE 1/4, NE 1/4, SE 1/4 of Miami Co.

I was informed that Hobart Brother Co. owns a 3acre parcel and an adjoining 7.793 acre parcel of land at this location. However this property is located outside corporate boundries of Troy and has no street address. This land is located just south of Lytle RD and jest west of the Baltimore and OHio Rail Road tracks.

Matt Arnold

Dec 13, 1983
Hobart OH-338-09
R05-8303-2

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But vegetation seems to be OK.

TROY USGS MAP / hydro survey?

Appendix IV

5) Targets

(614) ~~265-64~~ 265-6744

- according to Al Walker of ODNR groundwater section the wells in this area draw about 1500 gal/min. The area is outwash area of sand & gravel. The wells are ~~tappa~~ 40-150 ft deep and the aquifer in the area is hydraulically connected.

6) According to Mr. Domigan, Miami County Health (513) 335-5675, almost all those people who are not using municipality's water have their own wells within the 3 mile radius. Those who are not in municipality yet are on city water are those residences along Troy Sidney Rd up to the County Home and in that area btw river and Market St. Also around fairgrounds are using munic. water (From Steve Heffel - City water department, (513) 339-2641.

5) Targets -

this is other site owned by Hobart.

this is "site" scored by FIT.

NON- RESPONSIVE

[redacted]

HOBART BROS.

Correspondence with Richard Berry from Hobart Bros. with M.P. Tyson

6-20-84 In reference to 103(c) report that Company filed on 6-11-81. Pollution Control Sciences was contracted to obtain samples from wells on plant site. Found one well that had lead in it. Downstream there was no lead. He said that a lead acid battery plant was located near there. He said this was never a "land fill".

6-29-84 Contacted Richard Berry. Asked him to send me a copy of the analyses of the well testing that showed lead.

7-10-84 Asked Richard Berry to send me analyses results, location of well that was sampled in comparison to the site, a description of the 2 sites and location of each & what was stored and depth ~~to the~~ of the well that showed elevated lead concentration.

Unless this information is sent to me - No evidence of release can be documented. As far as scoring for a potential release into the groundwater there is NO documentation of HAZ Wst Stored.

Office at 600 W Main St.

Hobart Bros Co (Welder Division)
600 W Main St Troy
OHD004279332

~~HOBART CORP~~
~~7.1 WORLD HDQR Troy~~
~~OHD004236907~~

~~HOBART CORP. TROY SUNSHADE CO. DIV.~~
~~750 CINCINNATI AVE TROY~~
~~OHD004474466~~

Hobart Bros Co. Filler Metal / Powder Sysh DIV
101 Trade Square East (Troy)
(Ridge & Troy Square)

OHD004279337 WRONG ID!

PA complete

Owner – Hobart Bros. C
600 W. Main St

Operator – Hobart Bros Co – Fuller Mold Plt.
Ridge Avenue

513/

COC 339-8769

~~City Hall~~

Miami City. H.D. 335-5675

Hobart Bros. Co. Landfill
Troy, Ohio

obart Brothers Company Landfill is a 1/4 acre,
ocated in Troy, Miami County, Ohio.
t is a closed landfill used by Hobart
r disposal of electrode manufacturing
ludges and construction/demolition debris.
ccording to the company the landfill was
leaned up and hazardous materials
emoved several years ago. Lead was found
in one of the wells at the site. There is a
population of 2280 people. Surface water
discharges into Great Miami River. Hobart
Brothers are the current owners and
generators.

Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal):

36" (REF 1, 47FR 31224)

Mean annual lake or seasonal evaporation (list months for seasonal):

32" (REF 1, 47FR 31224)

Net precipitation (subtract the above figures):

36" - 32" = 4" (REF 1, 47 FR 31224)

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

The unsaturated zone consists of a layer of glacial till as evidenced by the well logs, THIS IS THE CONTINUOUS LAYER. (Ref 5, pg 9, REF 2, Ref, 16)

Permeability associated with soil type:

The glacial till mentioned in the above section is an alluvial deposit composed of sand and gravel. (REF 2, pg 13, pg 15, pg 17, pg 18, pg 25 Fig C) These kind of deposits have a high permeability - combined sand and gravel - of 10^{-1} cm/sec (REF. 11, pg 4)

Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

Powders, solids and sludges (waste water treatment sludge, wet lube sludge) were dumped onsite. (REF 10) NICKEL IS FOUND in sludge form in low concentrations as are chromium and lead as indicated in Table 3 of the reference (REF 10). Also, all three metals were contained in the baghouse dust dumped onsite, indicated in Table 1 (REF 10).

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

No evidence is available to indicate the presence of a liner, either synthetic or of reworked clay. There is no leachate collection system and standing water was noted upon inspection by FIT (REF 7 pg 3)

Method with highest score:

APPARENTLY NO LINER = 3 - This value was assigned using an evaluation of the landfill method.

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

	TOXICITY	PERSISTANCE	MATRIX
chromium	9 (REF9, pg 791)	3 (REF1, 47FR 31229)	18
arsenic	9 (Ref9, pg 316)	3 (REF1, 47FR 31229)	18
nickel (REF 10, TABLE 2)	9 (Ref9, pg 1997)	3 (REF1, 47FR 31229)	18

Compound with highest score:

The three compounds all have a toxicity/persistance matrix score of 18.

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

WASTEWATER TREATMENT SLUDGE (REF 10, TABLE 3, pg 5)
100 TONS/YR (REF 10, pg 2) X 8 yrs (REF 18) = 800 TONS

BAGHOUSE DUST (REF 10, TABLE 1, pg 6)
27.5 TONS/YR (REF 10, pg 2) X 8 yrs (REF 18) = 220 TONS

800 + 220 = 1220 TONS

VALUE = 6

Basis of estimating and/or computing waste quantity:

Reference 18 states that 800-1000 tons of wastes were dumped annually at Hobart's Lytle Road site. Since the total quantity stated is not accompanied by a breakdown of substances, only the time frame of 8 yrs will be used from this reference. The electrode wastes, subarc & tublar fluxes (Ref 10, pg 2) were not used because it is not clear in what form they were dumped. The Wire Dry Lube and Wet Lube Sludges (Ref 10, pg 2) were not used because it is not clear if they are hazardous. Only the WWTP sludge, broken down in Ref 10 pg 5 and baghouse dusts, broken down on Ref 10, pg 6 were used in computing the total quantity because their physical state and composition can be verified in Ref 10.

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Well	Depth of well from ground	Stick up	Total (1)+(2)	Tape Reading	K (0.51)	Total (4)+(5)	Depth ½ 6 (3)-(6)	Well Vol. 7÷6"/gal	
✓MW1A	35.5		37.6	17.34	0.51	17.85			~~17~~
✓MW1C	74.5		76.95	17.93	0.51	18.44			~~75~~ ~~17.5~~
MW2A	43.0			25.26	0.51	25.77			15
MW2C	71.0			25.14	0.51	25.65			37.5
MW3A				8.51	0.51	9.02			7.5
MW3B				8.55	0.51	9.06			23+
MW3C				9.20	0.51	9.71			49
✓MW4A				5.15	0.51	5.66			~~2~~
MW4B				4.95	0.51	5.46			31
✓MW5A				12.93	0.51	13.44			~~10~~
✓MW5C				13.85	0.51	14.36			~~75~~
✓MW6A				8.41	0.51	8.92			11
MW6B				8.61	0.51	9.12			40
MW6C				8.67	0.51	9.18			80
✓MW7A				18.45	0.51	18.96			~~10~~
MW7B				17.87	0.51	18.38			36
MW7C				17.99	0.51	18.50			60
MW8				7.87	0.51	8.38			81
MW9				8.20	0.51	8.71			80
Creek				12.11	0.51	12.62			
River				19.82	0.51	20.33			

T. Kocks water levels