MAPI

ENFORCEMENT SENSITIVE

AK0701
5/3/93

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Enforcement Sensitive

MAPCO

5/10/93
1430

1100 H+H Lane
North Pole, AK 99705

AKD000850701

Site Contacts:
David C. Rowse Gen Mgr
Kathleen McCullom
John Taylor, Fire & Safety Coord.

ENFORCEMENT SENSITIVE

Inspection Team:
W. Douglas Smith
Andy Hess
Douglas Hardesty
Dan Tangarone
Jack Coutts ADEC (AIR)
Don Gibbler ADEC (UST)
Vanessa Blurins
Kristen Du Bois-Goodwin

FILE COPY

5/10/93
1330 met ADEC
1430 MAPCO site

Golden Valley Utility shares property, leased from N. Pole. Back up oil fired ~~steam gas~~ turbine generators.

New V.P. orientation
tomorrow 5/11/93
Dan will join city
water sampler 0700.

Orientation in conference
room.
240 acres total
40 acres fenced

Originally built by
Earth Resources Inc.

Long sleeve shirts or jacket
Hard Hat.

125,000 bbls per day thru-put
35/40% retained of this
60% shipped out by rail.

Solvent extraction using
Sulfolane - { Shell makes it
{ Phillips " "

No chemical reactions in the
plant.

500,000 bbls total storage
60% shipped out by rail.

JP-8 to Waine write, this is
a high grade of Kerosene

Groundwater compliance order from state.

- Bolted tanks leaked
- Truck fill area
- Overflow area.

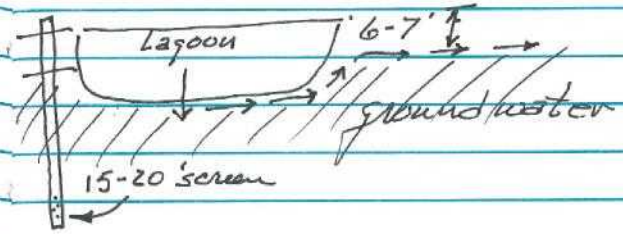
200,000/500,000 gal/day after treatment since 1988. Tests going.

- 5ppb limit for benzene

3008(a) and (h) EPA compliance order.

- Drum mgmt.
- Sumps leaking
- Lagoon B + tank 192
- No EPA response for clean closure >18 mos.

Issue I. Monitoring well by lagoons are screened well below the bottom of the lagoon. Petro wastes in the lagoon are lighter than water



monitoring well may be screened well below where contamination ~~that~~ may float on ground water.

Heat exchanger bundles stored. K050 waste no signs or labels. Stored over a year. Can't recycle.

- How is facility operating?
  - Generator
  - Small quantity gen.
  - TSD

Why do they believe this?

Conditionally exempt small quantity gen. or generator - not large quantity gen.

- How much waste this month?
  - < 1000 kg.
  - > 1000 kg.

Only walkie talkies in tank & RR tank load area. Not always available. Poor communication in emergency.

Nacry Brand Solvent is Meth Cl + Trichlor

5/12/93
0920 hrs

w/ D. Boes - Goodwin DEC
Document Review
✓ · Waste Characterization
A, D001, D007, D008, K050
D002, F001, F003, F005
D009, F037, D018
B. 1988, 1989, 1990, 1991, 1992
C. Waste Min. documents.
· ~~Financial Assurance~~
~~Marsh + McLennan Inc~~
~~720 Olive Way~~
~~Seattle, WA 98101~~
~~$1,000,000 for~~
~~Northwest Enviro~~ Burlington
~~Enviro. Inc.~~

Manifests

LDL's

Compliance Order

SPCC - Contingency
1989

Training: John Taylor
- All new get 7 hrs
- 1st year complete plant specific training.
- total is 40 hrs.
- Fire fire training. JP-4 fires @ pit

- Nalco chem trainers on bag communication training.
- Contractors get 4 hrs.
- General fire + safety every tues + thurs. everyone must go once a month.
- Fire Brigade - once a mth
-

Training names verification:

Brodie, J. ✓
Head, L
Hovk, R
Boots, P.
Horst, C.

Numerous extinguishers out dated or indicating that they were discharged. See video.

Fire station. Last inspected 1991 according to J. Taylor

Lab. Gail Carnahan Sr. Chemist. Also on fire crew.

Heat exchangers in field. Similar to those on pad.

→ financial – nothing after 1988
No inspection logs but do inspect
Training
Heat exchangers need dates of storage
{Extinguishers –
{Alarm system

They understand that this was a one time requirement per RCRA order. 1988

SIC code 2911

Pond ~~Lagoons~~ lined on sides but not on bottom. MAPCO considers it a class 5 injection well.

Heat Exchangers.

- 2 on pad 1992 fall or late summer.
- Rest probably in 1992 also
- Determining costs for write, scrap, rebuild. will provide document.

Bottom half scorched sulfaline

5/13/93
0958

Review UST
None: State satisfied with this assertion.

Review Sumps: ~~they~~ Not a USTs. Exempt

Review RCRA

Video scene log.

0-11 Entrance to MAPCO
11-22 Refinery towers
22-57 Pan from office parking lot.
57-131 GV power generating station
131-141 MAPCO Control Room
141-154 Tank 192
154-205 2 stripping towers pan to lagoons
205. 2 Heat exchangers on bermed pad
243-520 Oil Discharge Prevention + Contingency Plan 1991
520-552 Computerized training record for Jean Brodie
552-610 Emission reading on tank 821
610-625 RR tank cars
625-710 Tank fire fighting equip Deluge system
710-753 Tank 821 emission reading by Hardesty.
753-812 Verbal note of clock on VCR is one hr fast
812-835 Tar spill @ tank 821
835-1045 Air emission venting from Crude tank 822
1045-1120 emissions from 823
1120-1150 Pump control panel
1151-1210 Fire exting. 1991 test date
1210-1233 Fire exting 229, no date
1233-1244 4 air strippers
1244-1321 NE. lab accum drum DOT waste 270 day accum area as small quantity gen.
1321-1326 Waste sample can in lab w/open top + funnel
1326-1340 Fire exting #235. No date
1340-1358 Fire Exting May 1991
1358-1413 Fire Exting #233, May 1991
1413-1428 Fire Exting #222, " "
1428-1500 Fire Exting #267, May 1991

Video Continued

~~Photos taken from video~~
~~#1 tank 192~~

1500-1526 Fire Extng #219, no date

1526-1541 Trash drum near #219 w/waste spray paint cans. Flammable

1541-1607 RR tank Cars

1607-1626 Treatment ponds & empty lagoon

1626-1724 Hg waste area + sign Fire Extng 214, no date, no charge indicated

1724-1807 Hg Waste drum storage area. Berm, sump + drums. No shipping names

1806-1827 Oily rags accum can w/liquid in it.

1827-1845 Fire Extng in Tetraethyl lead room. May 1981

1845-1902 Fire Extng 1981. Fire Head area

1902-1909 - Fire extng across from gas dispenser area 1981

1909-2022 Heat exchangers on pad same as 205-243 footage Rusty vs dark scale compared K050

2022-2033 More heat exchangers stored on ground beyond empty lagoon. At least 6 units.

2033-2115 Same as 1909-2022 showing cash quality of black area vs rusty area.