Monsanto

FROM (NAME & LOCATION): J. W. Boehm / WGK

DATE: May 16, 1977

cc: J. J. Kaiman
W. E. Scruggs

SUBJECT: Incinerator Meeting - 5/11/77

REFERENCE:

TO: Messrs. Present

J. A. Alley - B2SD	W.A. Kuhn - ElSA
F. J. Basile	A.E. Leisy
E.R. Billen	J.C. Peduzzi
J.W. Boehm	W.L. Smull
W.C. Engman	M.A. Pierle - ElSA
R.W. Flint	R.A. Pohl - B2SB
~~C.R. Canote/R.E.~~ Bunge	B.R. Williams

The above met on 5/11 to discuss the shutdown plan for the WGK Incinerator. Attached is a copy of the presentation summarizing the plan and timing.

Agreement was reached to proceed with the plan as proposed. Critical to successful implementation of this plan is achievement of acceptable clearance to permit shipment of PCB waste to Rollins for incineration.

Manufacturing (Bob Pohl and others as required) will work with Environmental and Legal Personnel to resolve clearance details by 6/1/77.

Plant personnel are proceeding to firm up details and begin implementation of the plan immediately.

J.W. Boehm

cw

Attachment

DSW 355809

STLCOPCB4085429

SHUTDOWN OF AROCLOR INCINERATOR

1) NO AROCLOR PRODUCTION

2) NO MATERIAL REQUIRING HIGH TEMP INCINERATION

3) CHEAPER TO SEND NON-PCB'S OUTSIDE

4) NEW AREAWIDE INCINERATOR WILL BURN ALL WASTES IN PLANT

5) NEW PCB REGULATIONS

DSW 355810

STLCOPCB4085430

PCB REGULATIONS ANTICIPATED FOR 1/78

1) CONTINUOUS MONITORING

   O_2

   CO

   CO_2

   TEMPERATURE

2) WEEKLY MONITORING

   NO_x

   TOTAL HYDROCARBONS

   CHLORINATED ORGANICS

   O_2

   CO

   CO_2

   HCl

3) SHUTDOWN ON MONITOR FAILURE

4) MAINTAIN RECORDS OF DATE RECEIVED, PAST USER, PAST USE

5) MOVABLE EQUIPMENT (FORKLIFT) MUST BE DECONTAMINATED BEFORE REMOVAL

6) ALL CONTAINERS (DRUMS) LABELED AND DATED AND STORED BY DATE

7) DECONTAMINATION TRIPLE RINSING WITH SOLVENT

8) SEWAGE TREATMENT SLUDGE OF > 0.05% PCB MUST BE INCINERATED

9) SPECIAL LABEL ALL DRUMS

10) RECORDS, RECORDS, RECORDS, AND KEEP FOR 20 YEARS

DSW 355811

STLCOPCB4085431

SHUTDOWN PLAN

1) STOP NON-PCB WASTE RECEIPTS ASAP

2) STOP AROCLOR CUSTOMER RETURNS 8/31/77

3) BEGIN TO SEND 500,000#/MO. PCB WASTE OUTSIDE. MUST START NO LATER THAN 6/1/77

4) OPERATE UNTIL ALL WASTE INVENTORY IS EITHER BURNED OR SHIPPED OUTSIDE 10/1/77

5) DECONTAMINATE 10/77 TO 1/78

6) DISMANTLE

DSW 355812

STLCOPCB4085432

STOP NON-PCB WASTES

1) ONA RESIDUE (25M#/MO.) TO BE DRUMMED AND SENT OUT. COULD START WITHIN 2 WEEKS

2) SANTOPHEN I RESIDUE (35M#/MO.) SEND OUTSIDE. START WITHIN 2 WEEKS

3) CHLORO-PHENOL/SANTOPHEN I ACID RESIDUE (100M#/MO.)

   A) MUST BE NEUTRALIZED STARTING 8/31

   B) TEMPORARY LIME FACILITIES AT INCINERATOR 8/31

   C) PERMANENT FACILITIES AT DEPT. 236 BY 6/78

4) MCB PILOT PLANT (10M#/MO.) - STORE IN DRUMS UNTIL OUTSIDE BURNING PERMIT IS OBTAINED

DSW 355813

STLCOPCB4085433

NEUTRALIZATION FACILITIES

1) TEMPORARY

A) DESIGN THRU STARTUP BY ZONE D

B) OPERATED BY ZONE B WHILE INCINERATOR IS IN OPERATION AND/OR DECONTAMINATION

C) REQUIRE ARTICLE 10 FOR INCINERATOR

D) COSTS - INSTALLATION $30,000

OPERATION $ 2,000/MO.

2) PERMANENT

A) ALL WORK TO BE DONE BY ZONE D

B) COSTS - CAPITAL $169,000

EXPENSE $ 5,000

$174,000

DSW 355814

STLCOPCB4085434

STOP PCB WASTES

1) CUSTOMER RETURNS STOP 8/31
MARKETING TO HANDLE

2) RECEIVE 246 WASTES UNTIL INCINERATOR
SHUTDOWN 10/1/77

3) AFTER 10/1/77 DECONTAMINATION WASTES
TO GO OUTSIDE

DSW 355815

STLCOPCB4085435

SENDING PCB'S OUTSIDE FOR 10/1/77 SHUTDOWN

1) CONTRACT FOR INCINERATION

2) THREE 10,000 GALLON CARS FOR WASTE HAULING

3) MUST START BY 6/1/77

DSW 355816

STLCOPCB4085436

ECONOMICS

OPERATE UNTIL 1/1/80	$1,744,000
BURN ALL PCB WASTE INVENTORY IN HOUSE 3/1/78 SHUTDOWN	$1,525,000
SEND PCB WASTES OUT SHUTDOWN 10/1/77	$1,549,000
SEND PCB WASTES OUT FOR 1/1/78 SHUTDOWN	$1,544,000

CURRENT OPERATIONS WILL BE TO MINIMIZE UNIT COST OF WASTE BURNING CONSISTENT WITH AVAILABLE RESOURCES

COSTS TO BURN IN HOUSE	9.5¢/LB.
COSTS FOR OUTSIDE INCINERATION	11.7¢/LB.

DSW 355817

STLCOPCB4085437

DECONTAMINATION/DISMANTLING

1) COSTS

A) CHARGE TO OBSOLESCENCE $294,000

B) DECONTAMINATION $ 62,000

C) DISMANTLING $240,000

2) PERSONNEL FOR DECONTAMINATION

A) OPERATING - WILL REQUIRE 4 ADDITIONAL PEOPLE FROM UTILITY

B) SUPERVISION - AROCLOR DEPT. TO HANDLE

3) TIMING

A) DECONTAMINATION BY 1/78

B) DISMANTLING

DSW 355818

STLCOPCB4085438

LOOSE ENDS

1) PHENOL HANDLING, DISTRIBUTION,
236, 248, 212, ?

2) FUEL OIL TANK, USED BY 239 AND 245 ?
212 ?

3) TEMPORARY LIME FACILITIES WILL BE OPERATED BY 236 AFTER DECONTAMINATION IS COMPLETED

DSW 355819

STLCOPCB4085439