C-8 IN OFF-PLANT WATER SYSTEMS

- NONE DETECTED IN UPSTREAM PUBLIC WATER SYSTEM.
- NONE DETECTED IN WASHINGTON WORKS' DRINKING WATER.
- DETECTABLE LEVELS FOUND IN TWO DOWNSTREAM PUBLIC WATER SYSTEMS.

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C-8 PROGRAM

WATER

- REPLACE C-8 WITH TBSA IN FEP PROCESS.
- PARTITIONS WITH PRODUCT NOT WATER.
- DECOMPOSES TO PRESUMED INNOCUOUS BY-PRODUCT IN HUMID HEAT TREATING OVEN. VENTED TO ATMOSPHERE.
- TBSA PROJECT AUTHORIZED FOR CHAMBERS WORKS. START-UP 11/84.
- SWITCH COMPLETE MID 1985.

AIR

- STUDY ABATEMENT BY ENGINEERING CHANGES.

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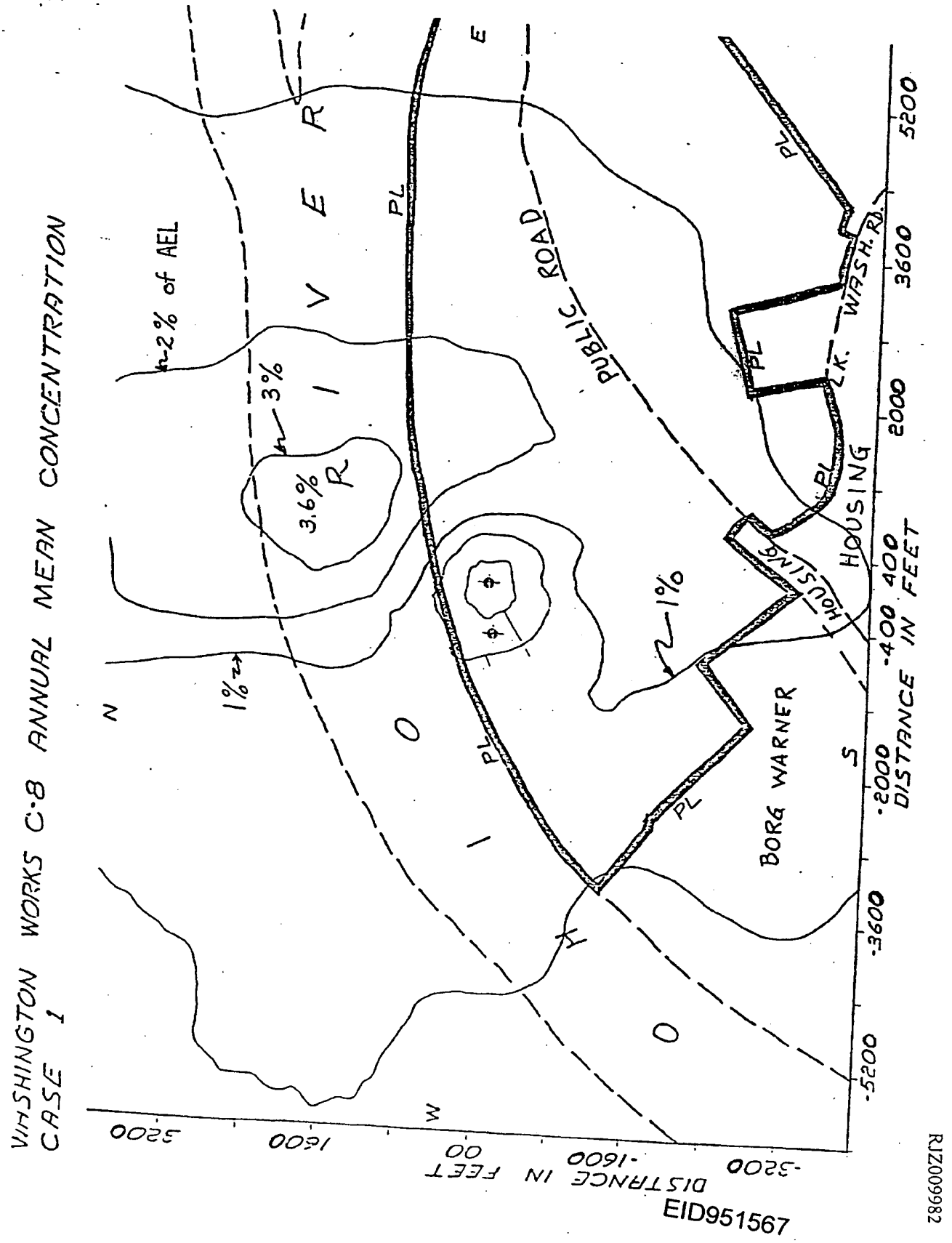

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ENGINEERING STUDY RESULTS

- THERMAL DESTRUCTION
  - ECONOMICS
    $1MM + INVESTMENT

    $1MM ANNUAL OPERATING COST
    (APPROXIMATELY $0.15/LB. OF PRODUCT)
  - TIMING
    1 1/2 TO 2 1/2 YEARS

- SCRUBBING AND RECOVERY
  - ECONOMICS
    $3.5MM + INVESTMENT

    $1.5MM DEVELOPMENT COST

    $2.5MM ANNUAL OPERATING COST
    (APPROXIMATELY $0.40/LB. OF PRODUCT) BUT

    POTENTIAL BREAK-EVEN IF RECOVERED

    C-8 IS USABLE
  - TIMING
    4-5 YEARS

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CONCLUSIONS

- NO KNOWN HEALTH EFFECTS AT CURRENT LEVELS
- THIRTY YEARS EXPERIENCE - CONCERN ABOUT LONGER RANGE
- POTENTIAL LIABILITY
  - THIRD PARTY LAWSUITS
  - ADVERSE PRESS

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PROGRAMS

WATER

- PURSUE CONVERSION TO TBSA
- DETERMINE DISPOSITION OF C-8 IN SUPERNATE TO CHAMBERS WORKS

AIR

- DEFINE EVOLUTION OF C-8 IN DRYER
- PURSUE FINE POWDER DRYER SLIPSTREAM INCINERATION
- TOTAL DRYER AIR STREAM INCINERATION: DIRECT/BOILER
- PURSUE DRYER EXHAUST SCRUBBING AND RECOVERY (4-5 YEARS)

DISPERSION PRODUCT - KEEP CUSTOMERS FULLY INFORMED

BLOOD DONATIONS - ALLOW TO CONTINUE

FOLLOW 3M STUDIES

CONTINUE TO ADVISE SISTER PLANTS OF OUR ACTIVITIES

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