I 176 EEB file 417771-01 and 422531-00

12-9-93

AMENDED DATA EVALUATION RECORD

1. **CHEMICAL:** Propanil (3,4-Dichloropropionanilide). Shaughnessey Number: 028201.

2. **TEST MATERIAL:** Propanil Technical; Code # BLUE; 98 ±2% active ingredient (a.i.); a blue-gray crystal.

3. **STUDY TYPE:** Mollusc 96-Hour, Flow-Through Shell Deposition Study. Species Tested: Eastern Oyster (Crassostrea virginica).

4. **CITATION:** Dionne, E. 1990. (Propanil) - Acute Toxicity to Eastern Oyster (Crassostrea virginica) Under Flow-Through Conditions. SLI Report No. 89-10-3184. Prepared by Springborn Laboratories, Inc., Wareham, Massachusetts. Submitted by The Propanil Task Force, Liberty, Missouri. EPA MRID No. 417771-01 has been amended to reflect receipt and use of raw data (MRID No. 422531-00) in the reevaluation and upgrading of this study from supplementary to core.

5. **REVIEWED BY:**

Alvaro A. Yamhure
Aquatic Biologist, EEB/EFED
USEPA

Signature:
Date: 12/8/93

6. **APPROVED BY:**

Daniel Rieder,
Head Section 3
EEB/EFED

Signature:
Date: 12-9-93

7. **CONCLUSIONS:** The original version (6/4/91) of this study was found to be scientifically sound but did not fulfill guideline requirements for the 96-hour flow-through mollusc shell deposition acute toxicity test because replicate data were not given to EEB and therefore the NOEC could not be confirmed or determined.

Based on the above observations, the original study was rated as supplemental and subject to upgrade if and when the raw shell deposition data was presented. The original 96-hour EC_{50} given by the registrant for the eastern oysters exposed to Propanil was 4.96 mg a.i./L, and it was based on mean measured concentrations therefore, classifying Propanil as being moderately toxic to Crassostrea virginica. The EEB calculated EC_{50} was 5.8 mg a.i./L (not significantly higher than the registrant's value) with 95% C.I. of 5.1 - 6.5.

NOEL < 1.4 PPM

The registrant has sent to EEB the additional requested data and it was found to be satisfactory. Based on the individual raw data points obtained from the registrant, EEB agrees that the closest possible NOEC value is <1.4 mg a.i./L.

This study is therefore upgraded to CORE and this reevaluation supersedes the previous one of 6/4/91 (and 9/5/91 by ~~David~~ DANIEL Balluff).