

US EPA ARCHIVE DOCUMENT

222030
Record No.
109303
SHAUGHNESSEY NO.

4
6
REVIEW NO.

ECOLOGICAL EFFECTS BRANCH REVIEW

DATE: IN 5-16-88 OUT JUN 9 1988

FILE OR REG. NO. 352-405

PETITION OR EXP. PERMIT NO. _____

DATE OF SUBMISSION 4-22-88

DATE RECEIVED BY HED 5-13-88

RD REQUESTED COMPLETION DATE 6-10-88

EEB ESTIMATED COMPLETION DATE 6-10-88

RD ACTION CODE/TYPE OF REVIEW 300

TYPE PRODUCT(S): I, D, H, F, N, R, S Synthetic Pyrethroid

DATA ACCESSION NO(S). _____

PRODUCT MANAGER NO. G. LaRocca (15)

PRODUCT NAME(S) Pydrin-Asana ^{ES} (Fenvalerate)

COMPANY NAME DuPont

SUBMISSION PURPOSE Discussion points for upcoming
meeting to finalize pond study
protocol

SHAUGHNESSEY NO. CHEMICAL, & FORMULATION 8 A.I.

MEMORANDUM

SUBJECT: Asana Mesocosm Treatment Regime

TO: G. LaRocca
Product Manager (15)
Registration Division (TS-767C)

THRU: Harry Craven, Sec. Head
Sec. 4, EEB/HED (TS-769C)

THRU: *for* Jim Akerman, Chief
EEB/HED (TS-769C)

Harry Craven
Douglas J. Wilson, Acting

The Ecological Effects Branch reviewers have met with Dr. Joseph Dulka and Mr. David A. Wustner of DuPont on May 11, to discuss and finalize the treatment rates for Asana aquatic mesocosm field study. The following agreements were reached regarding Asana mesocosm loading regime:

I. Drift

1134 mg a.i./pond = 20% (4x)
284 mg a.i./pond = 5% (1x)
11 mg a.i./pond = 0.2% (0.04x)

Total of 10 events

Calculation is based on 0.05 lb. a.i./A (or 22.68 g a.i./A, 5.67 g a.i./pond=100%).

II. Runoff

2250 mg/event (10x)
225 mg/event (1x)
22.5 mg/event (0.1x)

Total of 5 events

Calculation is based on the results of SWRRB computer runoff simulation using the new biolysis half-life of 43 days. The median annual runoff is 1.12 g/Ha or 0.45 g/A (or 4.5 g from 10 A of drainage basin), i.e., 1.125 g/ 1/4 A pond/year.

Richard M. Lee 6/9/88

Richard M. Lee
Environmental Scientist
Ecological Effects Br.
TS-769C