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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

SEP 12 1994

MEMORANDUM

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Endothall Technical Fish Early Life-stage Study and Eastern Oyster 96-Hour Shell Deposition Study

From: Anthony F. Maciorowski, Chief
Ecological Effects Branch
Environmental Fate and Effects Division (7507C)

Douglas J. Urban 9/9/94

To: Ernestine Dobbins, PM Team 52 Reviewer
Special Review and Reregistration Division (7508C)

The following lists by DP Barcode, 2 actions and their respective Data Evaluation Records (DER's) Conclusions (see attached complete DERs).

	DP Barcode	Case No.	S#
1.	D194698	818815	S#38901
	72-3(b)	428952-01	

CONCLUSION

This study fulfills the guideline requirements for an acute toxicity test using the Eastern oyster. Under the conditions of the test, the 96-hour EC_{50} was 43 (39.6-47.8) mg a.i./L which classifies endothall technical as slightly toxic to Eastern oysters.

	DP Barcode	Case No.	S#
2.	D205890	818815	S#38901
	72-4(a)	432954-01	

CONCLUSION: This study is fulfills the guideline requirements for an early life-stage study with freshwater fish. Two parameters were affected: total length and wet weight. Both were reduced at the measured concentration of 2.6 mg a.i./L. Hence, the NOEL is 1.3 mg a.i./L and the LOEL is 2.6 mg a.i./L. This would place endothall in the moderately toxic

category.

Based on these two DERs, the requirements for endothall technical 96 hour EC_{50} for eastern oysters (72-3(b)) and freshwater early life-stage study (72-4(a))have been fulfilled.

Please contact Dennis J. McLane (305-5096) if you have any further questions.