

**WHOLE EFFLUENT TOXICITY TESTING
FREQUENCY RECOMMENDATION
AND RATIONALE FOR ADDITIONAL REQUIREMENTS**

Permit Number: **AR0001210** AFIN: **02-00013**
 Facility Name: **Crossett Paper Operations**
 Outfall: **001**
 Previous Critical Dilution: Proposed Critical Dilution:
 Date of Review: **6/3/09** Name of Reviewer: **M. Barnett**

Number of tests performed during previous 5 years by species:

***Pimephales promelas* (Fathead minnow): 24**
***Ceriodaphnia dubia* (water flea): 23**

Failed test dates during previous 5 years by species:

<i>Pimephales promelas</i> (Fathead minnow):	<u>Lethal</u>	<u>Sub-lethal</u>
	None	06-04 09-04 12-05

<i>Ceriodaphnia dubia</i> (water flea):	<u>Lethal</u>	<u>Sub-lethal</u>
	None	04-02 03-07 06-07 09-07 12-07 06-08 12-08

Previous TRE activities: None

Frequency recommendation by species:

***Pimephales promelas* (Fathead minnow): bi-monthly**
***Ceriodaphnia dubia* (water flea): bi-monthly**

Additional requirements (including WET Limits) rationale/comments concerning permitting:

Rationale: *Continuous Planning Process, E.I.c* “For permittees with a design flow greater than or equal to 1 MGD and potential toxicity problems (e.g. failed pre-permit test, substantial industrial contribution and no pretreatment) the toxicity testing frequency may be twelve times a year for both species”.

However, since the permittee has had no lethal failures, only 3 sub-lethal *P. promelas* test failures, and only 7 sub-lethal *C. dubia* failures during the past 5 years, WET testing shall occur bi-monthly.