

ADDENDUM

Supplemental Application Information; Part E. Toxicity Testing Data

The information below is to assist POTWs that are required to perform NPDES Alternate Species Toxicity Testing. The information below summarizes the alternate species toxicity testing requirement and is not intended to address all requirements of the Supplemental Application Information; Part E.

- POTWs must conduct four (4) alternate species toxicity tests as follows:
 - a) POTWs performing NPDES chronic *Ceriodaphnia* testing should perform chronic Fathead Minnow testing.
 - b) POTWs performing NPDES acute Fathead Minnow testing should perform acute *Ceriodaphnia* testing.
 - c) POTWs performing NPDES chronic Mysis Shrimp testing should perform chronic Silverside Minnow testing.
- Alternate species tests must be multiple concentration (5 concentrations plus the control).
- Ideally, alternate species testing should occur on a quarterly basis for one year prior to the permit application due date. The testing should take place during the same week (**concurrently**) as the facility's permit-required whole effluent toxicity monitoring. Samples for acute tests should be collected on the same day as the permit-required sample.
- If there is insufficient time prior to the application due date to conduct four quarterly tests, as many concurrent tests (described above) should occur as possible. For example, if a facility's toxicity testing months are January, April, July and October, the application due date is January 2005, and the NPDES Permit renewal package is received by the facility in February 2004, then concurrent testing should occur in April, July and October. The fourth alternate species test can be scheduled in any month other than April, July or October such that test results can be submitted with the application package by the due date. Alternate Species tests should be scheduled at least one month apart; however, **alternate species tests must be conducted prior to the permit application package being submitted to DWQ**. Keep in mind analysis report turnaround times when scheduling tests. One month is a reasonable time for a laboratory to return test results.
- Individual Aquatic Toxicity test forms for monthly alternate species tests should be labeled "Alternate Species Testing" in the comment area and submitted to the following address no later than 30 days after the end of the reporting period for which the report is made: DWQ/ESB, 1621 Mail Service Center, Raleigh, NC 27699-1621.
- All four (4) alternate species test results should be submitted with the application package upon renewal to: DWQ/NPDES Unit, 1617 MSC, Raleigh, NC 27699-1617.
- A listing of contract biological laboratories certified to conduct toxicity testing can be located at www.esb.enr.state.nc.us/ - Go to Units, "Aquatic Toxicology" link, "DOWNLOADS" link, WHOLE EFFLUENT MONITORING AND REPORTING, "Certified Laboratory List:" Link.
- Questions concerning the Alternate Species Toxicity Testing requirement may be directed to Mr. Kevin Bowden or Mr. Matt Matthews of the Aquatic Toxicology Unit at 919.733.2136.