

ADEQ

ARKANSAS
Department of Environmental Quality

January 14, 2011

David Sartain
El Dorado Chemical Company
P.O. Box 231
El Dorado, AR 71731

RE: Response to EDCC Storm Water TRE Plan Outfalls 006 & 007
NPDES No. AR0000752
AFIN: 70-00040

Dear Mr. Withrow:

Thank you for your submission of the EDCC Storm Water TRE Plan Outfalls 006 & 007. The Plan has been reviewed, and a few items need to be addressed. Please address the items outlined below and submit a revised sub-lethal plan by January 28, 2011.

If you have any questions, please contact myself or Sarah Clem.

Sincerely,



Mary Barnett
Ecologist
501-682-0666
barnett@adeq.state.ar.us

ECC: Loretta Reiber, NPDES Permitting
Cindy Garner, NPDES Enforcement
Greg Withrow, EDCC
John Carver, LSB Industries
Chuck Nestrud CN&J
Ronald McDaniel, GBM^c

EDCC Storm Water TRE Plan Outfalls 006 & 007. Received FedEx 12/22/2010.

Please address the following items:

1.0 Introduction

The fourth sentence of the first paragraph states “In June 2007, the lethality endpoint of the WET testing became the permit limit.” After reviewing the current modified permit and previous permits, a requirement for lethal WET limits for 006 and/or 007 cannot be found. Please revise this section or explain the basis for this statement.

3.0 Background

The second sentence states, “During the last 3 year period, there have been no WET test failures for either species, until the recent tests of June, August and September 2010, ...” According to ADEQ records, failures were reported at outfall 006 for *P. promelas* in December 2008 and July 2009 with NOECs of 75% and *D. pulex* in January 2008 and July 2009 with NOECs of 56% and 75% respectively. Please revise this section to account for these failures.

Reports submitted to ADEQ in June and August 2010 report full dilution series tests for *P. promelas*. Please revise the Note at the end of the first paragraph to reflect that it refers only to *D. pulex*.

The last sentence of the second paragraph states “Also, there have been no WET tests failures from Outfall 007 since February 2008, except October 2010.” According to ADEQ records, a *P. promelas* failure was reported in November of 2008 with an NOEC of 65%. Please revise this section to take this failure into account.

Since the working draft permit is not final, the first sentence of the third paragraph should be revised to state “... at or below the proposed critical dilutions...”

4.1 Routine WET Testing

Since the critical dilutions proposed in the working draft permit are not accepted as part of a final permit, and the effective date of the renewed permit is unknown, ADEQ request the inclusion of a 100% dilution for TRE investigations for outfalls 006 and 007 in addition to the dilution series presented in this section. The 100% dilution would only be necessary until the renewed permit becomes effective.

4.4.1 Toxicity Identification Evaluation (TIE) and Characterization

The first sentence states “...since the fathead minnow WET test performance has passed all tests since February 2008 to date, even at 100% effluent.” According to ADEQ records failures were reported at outfall 006 for *P. promelas* in December 2008 and July 2009 with NOECs of 75% and for outfall 007 a *P. promelas* failure was reported in November of 2008 with an NOEC of 65%. Please revise this section to account for these failures.

5.3 Conformation Sampling

Since the working draft permit is not final, the first sentence of the third paragraph should be revised to state "... source of test failures at the proposed critical dilutions, ...".

8.0 Project Schedule

The third sentence states the date of conformation for EDCC was established as October 10, 2010. However, based on an October 6, 2010 email, the date of lethality conformation was September 24, 2010. Please revise this sentence to reflect the September 24th date.

The final paragraph and activity table reference final report dates of April 30, 2012 and May 2012. If the project is expected to take 28 months to complete, then the final report would be due January 24, 2013 (28 months from September 24, 2010). Please revise these three instances to reflect the appropriate date.