

Paragould Light, Water and Cable  
Wastewater Treatment Plant  
NPDES Permit AR0033766  
Toxicity Reduction Evaluation Status and Progress Report

As required by the National Pollutant Discharge Elimination System (NPDES) permit AR0033766, Paragould Light Water and Cable (PLWC) offers the following information to meet the Whole Effluent Toxicity requirements stipulated in the interim permit limits.

According to the Toxicity Reduction Evaluation (TRE) approved by the Arkansas Department of Environmental Quality (ADEQ) on July 2, 2015, Whole Effluent Toxicity (WET) samples are to be taken and analyzed quarterly to identify and eliminate potential sources of effluent toxicity. To date, nine (9) quarterly WET samples have been collected for analysis as outlined in the following table. No lethal or sub-lethal effects were revealed during any of the WET tests.

Date of Samples	Results	ADEQ Report Date
July 27-29, 2015	No lethal or sub-lethal effects	July 31, 2015
October 12-14, 2015	No lethal or sub-lethal effects	October 30, 2015
January 11-13, 2016	Reported sampling activities only	January 29, 2016
January 11-13, 2016	No lethal or sub-lethal effects	February 5, 2016
April 4-6, 2016	Reported sampling activities only	April 29, 2016
April 4-6, 2016	No lethal or sub-lethal effects; suspected toxicity of receiving stream	May 19, 2016
April 4-6, 2016	Reported sampling activities only	May 11, 2016
April 4-6, 2016	ADEQ letter regarding receiving water toxicity	May 11, 2016
April 4-6, 2016	No lethal or sub-lethal effects	May 19, 2016
July 11-13, 2016	Reported sampling activities only	July 29, 2016
N/A	First report – PLWC TRE Evaluation Status and Progress Report to ADEQ	August 11, 2016
July 11-13, 2016	No lethal or sub-lethal effects	August 12, 2016
October 17-19, 2016	Reported sampling activities only	October 31, 2016
October 17-19, 2016	No lethal or sub-lethal effects	November 15, 2016
January 16-18, 2017	Reported sampling activities only	January 31, 2017
January 16-18, 2017	No lethal or sub-lethal effects	February 1, 2017
April 3-5, 2017	Reported sampling activities only	April 28, 2017
April 3-5, 2017	No lethal or sub-lethal effects	May 4, 2017
July 10-12, 2017	No lethal or sub-lethal effects	July 31, 2017
N/A	Second Report – PLWC TRE Evaluation Status and Progress Report to ADEQ	July 31, 2017

Ms. Mary Barnett informed PLWC on July 31, 2017 that no further TRE action is needed at this time.