



State of Tennessee  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**  
**DIVISION OF WATER RESOURCES**

William R. Snodgrass - Tennessee Tower  
312 Rosa L. Parks Avenue, 11th Floor  
Nashville, Tennessee 37243-1102

August 29, 2013

Mr. Kelvin Smalley  
General Manager  
Aerojet Ordnance Tennessee, Inc.  
e-copy: kelvin.smalley@rocket.com  
1367 Old State Route 34  
Jonesborough, TN 37659

Subject: **NPDES Permit No. TN0057983**  
**Treatment for Waste Spent Coolant**  
**Aerojet Ordnance Tennessee**  
**Jonesborough, Washington County, Tennessee**

Dear Mr. Smalley:

We appreciate your August 22, 2013 letter, which informs us that due to the additional waste spent coolant being treated it is now necessary to include sodium hypochlorite (bleach) for ammonia treatment to achieve your Outfall 001 discharge limits. We recognize that this a temporary measure due to your facilities consolidation program and switching over to a new coolant system. This treatment option was previously discussed with the division.

When bleach is used, your Outfall 001 treated wastewater total residual chlorine treatment (TRC) control is achieved using additional hydraulic retention time and polishing via your activated carbon columns. Based on our discussions with Mr. Benny Cole (Waste Operations), it is our understanding that this TRC control approach has allowed non-detect (approximately <20 ug/L TRC) results to be achieved. Since using bleach is a temporary treatment requirement, the division will not modify your permit at this time. However, when bleach is used the permittee must monitor TRC in its Outfall 001 per each discharge, and report in the DMR comments section its monthly average and daily maximum TRC results. Please continue to coordinate directly with Mr. Bryan Carter in our Johnson City Environmental Field Office on such matters, i.e., to make sure you obtain the division's prior written authorization.

If you have questions, please contact the Johnson City Environmental Field Office at 1-888-891-TDEC; or, at this office, please contact Mr. Gary Davis at (615) 532-0649 or by E-mail at *Gary.Davis@tn.gov*.

Sincerely,

Vojin Janjić  
Manager, Water-Based Systems

cc: Permit File, Johnson City Environmental Field Office (Bryan.Carter@tn.gov)  
Ms. Connie A. Kagey, EPA Region IV, Kagey.Connie@epamail.epa.gov  
Mr. Tim Wright, Manager, Env. Health & Safety, Aerojet Ordnance Tennessee Inc., timothy.wright@rocket.com  
Ms. Sandra Matthews, EHS Administrative Assistant, sandra.matthews@rocket.com  
Mr. Benny Cole, Waste Operations, robert.cole@rocket.com