

**From:** "Kozyra, Jan" <jan.kozyra@pgnmail.com>  
**To:** "RLE@NRC.GOV" <RLE@NRC.GOV>  
**Date:** 3/11/03 1:42PM  
**Subject:** FW: Emailing: peedee2k1

-----Original Message-----

From: Vail, Lance W [mailto:lance.vail@pnl.gov]  
Sent: Thursday, March 06, 2003 10:50 AM  
To: England, Louise; Kozyra, Jan  
Cc: Parkhurst, Mary Ann  
Subject: RE: Emailing: peedee2k1

Thanks. This reference is very useful.

I recall that Oconee had a copper impairment upstream from them. It too was not attributable to the plant but likely was attributable to natural mineral weathering. Given the low pH of your blackwater systems it is not surprising to see some metals naturally occurring in the streams.

Thanks again.

Lance

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Lance W. Vail  
Pacific Northwest National Laboratory  
Battelle Pacific Northwest Division  
(509) 372-6237

-----Original Message-----

From: England, Louise [mailto:louise.england@pgnmail.com]  
Sent: Thursday, March 06, 2003 5:09 AM  
To: Vail, Lance W; Kozyra, Jan  
Subject: Emailing: peedee2k1

Your files are attached and ready to send with this message.

Mr. Vail,

I unfortunately do not know where the copper and zinc is coming from within

the Pee Dee Basin. The values we received from Robinson Plant discharges for our NPDES permit application were low (< 0.010 mg/l) so it does not appear that it is coming from our discharges. I have attached a document, Watershed Water Quality Assessment: Pee Dee Basin, that will hopefully help you in your search. This document is published by SCDHEC and summarizes water quality within the basin. On page 39, the paragraph above the heading NPDES Program comments on copper and zinc concentrations in the State. It states "The SCDHEC monitoring data have historically indicated that copper and zinc levels in South Carolina waters are elevated relative to USEPA criteria, apparently a statewide phenomenon in both fresh and salt waters, and possibly resulting from natural conditions, nonpoint sources, or airborne deposition." Please look this document over and let me know if you have any other questions.

Thanks,  
Louise England  
Progress Energy Carolinas, Inc. (CP&L)  
Environmental Services Section  
(919) 362-3522

<<peedee2k1.url>>