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EMAIL OF TRANSMITTAL AND SOUTH CAROLINA DEPARTMENT OF HEALTH AND  
ENVIRONMENTAL CONTROL COMMENTS ON PRELIMINARY DATA SUMMARY FOR SITE  
14 STORM SEWER OUTFALLS MCRD PARRIS ISLAND SC

7/23/2009

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

**From:** [Meredith Amick](#)  
**To:** [Annie Gerry](#); [Priscilla Wendt](#); [llamas.lila@epa.gov](mailto:llamas.lila@epa.gov); [Pat Franklin](#); [Charles Cook](#); [Tom.Dillon@noaa.gov](mailto:Tom.Dillon@noaa.gov); [Mac McRae](#); [Sladic, Mark](#); [Heber Pittman](#); [Timothy Harrington](#)  
**Subject:** Fwd: MCRD Outfall Assessment  
**Date:** Thursday, July 23, 2009 11:26:27 AM  
**Attachments:** [Fwd MCRD Outfall Assessment.msg](#)

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Hi team,

I've been out of town at Myrtle Beach for another team meeting and am just getting back into the office. [Another trip to "the beach," what a glamorous job...how did I get so lucky?] I'm finally digging out from my email avalanche and found this. I'm forwarding a message from Susan that she wrote me after reviewing the Site 14 Preliminary Data Summary. This is just a heads up and a fulfillment of part of an action item that I had about talking with other PMs about outfall sampling at other bases. Susan, although not the PM at CNC at the time, was the lead on the outfalls project at CNC b/c of the Eco issues.

I hope to have my comments to the Preliminary Data Summary out to the team by Monday and this will be a main part of those comments.

Let me know if you have questions.  
Meredith

**From:** [Susan Byrd](#)  
**To:** [Meredith Amick](#)  
**Subject:** Fwd: MCRD Outfall Assessment  
**Date:** Saturday, January 01, 4501 12:00:00 AM

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>>> Susan Byrd 7/21/2009 2:38 PM >>>  
Hey Meredith,

Based on Extensive research conducted by the Navy and approved by EPA at the CNC, it was determined that sediment analysis would not be conclusive regarding overland runoff through storm drainage systems to the nearest water body. The CNC team concluded that sediment and soil particulates are tidally influenced and dispersed from outside of the evaluated drainage basin. Please contact Dann Spariosu regarding his involvement with extensive research regarding sediment dispersion as presented by Dr. Ivan Chow. Sediments at the storm outfalls at the Naval Complex were "traced" to over 10 miles downgradient of the base! Therefore, it is recommended (as was recommended at the Naval Complex) that **surface water** samples be collected from within the outfall pipe during a period of heavy rainfall. If an outfall is tidally influenced, samples should be collected during the outgoing tide. Surface water sampling is an indication of current contamination migration from within the distinct drainage basins.

Due to PAH residuals from road runoff and parking lots, it is recommended that "control" samples from non-site related asphalt parking lots or roads be included in the evaluation in order to specifically identify site related contamination.

If you have any further questions, feel free to contact me.

Susan Byrd