

**AR 300**

PSNH Supplied Information Concerning the FGD

John King

to:

David Webster, Mark Stein, Sharon DeMeo

05/27/2011 11:17 AM

Hide Details

From: John King/R1/USEPA/US

To: David Webster/R1/USEPA/US@EPA, Mark Stein/R1/USEPA/US@EPA, Sharon DeMeo/R1/USEPA/US@EPA

Allan Palmer has informed me that PSNH will be updating the FGD WWTS portion of their NPDES reapplication. Over the last year FGD vessels similar to the one installed at Merrimack Station have experienced corrosion. It appears if any "ordinary" steel, i.e., say tool steel, comes in contact with the exotic steel used to manufacture these non-corrosive FGD vessels, it causes a blemish that the chlorides found in the stack gases bind to and cause the vessel to corrode. In order to prevent this corrosion the number of blow-downs of the FGD vessel have been increased. This will increase the volume of FGD effluent at Merrimack Station from the 50,000 GPD to 94,000 GPD.

Allan Palmer also informs me that PSNH has contracted with Burns & McDonnell to design a zero-discharge system for Merrimack Station's FGD WWTS. The equipment will be similar to what is installed at the Iatan Electrical Generating plant in Iatan, MO operated by Kansas City Power & Light. The manufacturer of the zero-discharge is Aquatech. Palmer also stated PSNH still wants a effluent limits for the FGD WWTS.

John