



John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Scott J. Nally, Director

Re: Ottawa County  
Davis Besse Nuclear Power Station  
NPDES Permit

April 23, 2013

Mr. Stephen Chimo  
Senior Nuclear Specialist  
Davis Besse Nuclear Power Station  
5501 North State Route 2, MS 1041  
Oak Harbor, Ohio 43449

Dear Mr. Chimo:

On April 10, 2013, a National Pollutant Discharge Elimination System (NPDES) permit compliance inspection was made at the Davis Besse Nuclear Power Station. We reviewed compliance, facility operations, inspected the sanitary wastewater treatment plants (WWTPs) and the outfalls. My comments and recommendations are as follows:

- 1) NPDES Discharge Monitoring Reports (DMRs) indicated only one Total Residual Oxidants (TRO) violation since my last inspection in April 2012. This occurred on May 29, 2012, when the sodium hypochlorite chemical feed pump malfunctioned. We received notification as required, and the pump was promptly replaced. The chemical feed system is being modified to include dual pumps, so in event of primary pump failure, a backup pump will be activated.
- 2) The NPDES permit contains a Schedule of Compliance to monitor potential sources of Aluminum at Outfall 004 and to submit a Pollutant Minimization Plan (PMP) by April 30, 2016; the permit expiration date. The second series of quarterly sampling and analyses of potential internal and external sources continues to be inconclusive.
- 3) The power plant is running at full capacity; however, a 75-day total shutdown is scheduled in February 2014 to replace two steam generators. The concrete housing will be hydro demolished, and some water can now be recycled for reuse. Concrete residuals will be contained and excess water will be directed to the low flow sedimentation pond and Outfall 602. Approximately 1,000 contract workers will be on site for the steam generator replacement project, and portable self-contained restroom trailers will be used to serve the temporary workforce. You stated that notification will be provided at least 14 days prior to shut down.

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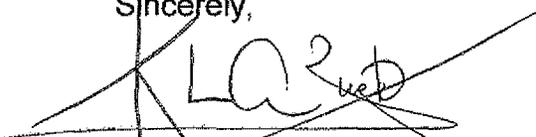
- 4) The 25,000 gpd sanitary treatment plant #2 was in use. Both operation and maintenance appeared good. A turbid effluent was observed; however, the discharge flows to a sedimentation pond where a clear effluent was observed at internal Outfall 601. Higher flow to the plants is now noticeable following rainfall events. This is most likely due to excessive clean water infiltration/inflow (I/I) to the collection system through leaky manholes and the sanitary sewers. In order to determine the sources, it would be necessary to have a qualified contractor conduct an I/I investigation, which includes televising the collection system.

Bales of barley straw were replenished across the pond to assist with algae control, and one of the comminuter motors has been replaced. Sanitary plant #1 is scheduled to be brought on line by June. The lab received the highest rating available in the latest 2012 U.S. EPA laboratory quality assurance analysis program DMRQA #32.

- 5) All the remaining outfalls were visited and exhibited normal visual characteristics.

I appreciate your efforts to maintain compliance at this facility, the open lines of communication and look forward to your continued cooperation in the future. If there are any errors, or if you have any questions, please call me at (419) 373-3020 or email at [rick.zuzik@epa.ohio.gov](mailto:rick.zuzik@epa.ohio.gov).

Sincerely,



Richard A. Zuzik, MSE  
Division of Surface Water

/jlm

Enclosure

ec: Tracking



State of Ohio Environmental Protection Agency  
Northwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
OH0003786	21B00011	4/10/13	C	S	11

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Davis Bessie Nuclear Power Station 5501 N. State Route 2 Oak Harbor, OH 43449	10:00 am	7/1/2011
	Exit Time	Permit Expiration Date
	12:00 pm	4/30/16
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Stephen Chimo, Sr. Nuclear Specialist	(419)321-7149	
Name, Address and Title of Responsible Official	Phone Number	
Ray Lieb, Site V.P	(419) 321-7676	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
S	Permit	S	Flow Measurement	N/A	Pretreatment
S	Records/Reports	S	Laboratory	S	Compliance Schedule
S	Operations & Maintenance	S	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	S	Sludge Storage/Disposal	S	Other
N	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)			
Inspector		Reviewer	
	4/16/13		4/16/13
Rick Zuzik, MSE Division of Surface Water Northwest District Office	Date	Thomas Poffenbarger, P.E. Water Quality Engineer II / Unit Supervisor Division of Surface Water Northwest District Office	Date