



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

December 21, 2012

CERTIFIED MAIL

Mr. John Kilgore  
 J.M. Smucker LLC – Crisco Plant  
 5204 Spring Grove Avenue  
 Cincinnati, Ohio 45217

**RE: J.M. SMUCKER LLC – CRISCO PLANT, OH00134155; 1IH00026\*DD  
NOTICE OF VIOLATION AND SNC DETERMINATION**

Dear Mr. Kilgore:

This office has received the preliminary compliance report notifications for the above referenced facility. Our review indicates violations of the conditions of your NPDES permit. The specific instances of non-compliance and/or deficiencies were as follows:

**EFFLUENT LIMIT VIOLATIONS**

**Station No. 1IH00026004**

*Permit*

<i>Parameter</i>	<i>Code</i>	<i>Date</i>	<i>Reported Units</i>	<i>Limit</i>
Chlorine, TR	50060	07/28/2012	0.057 mg/L	0.050 mg/L
Nitrogen, Ammonia	00610	08/06/2012	6.7 mg/L	1.5 mg/L
Nitrogen, Ammonia	00610	08/07/2012	10.6 mg/L	1.5 mg/L
Nitrogen, Ammonia	00610	11/27/2012	2.65 mg/L	1.5 mg/L
Nitrogen, Ammonia	00610	11/28/2012	2.67 mg/L	1.5 mg/L

In addition, the following code violations were noted:

<i>Outfall</i>	<i>Parameter</i>	<i>Date</i>	<i>Code</i>
1IH00026002	pH, Minimum	6/9-11/2012	AB
1IH00026002	pH, Maximum	6/9-11/2012	AB
1IH00026002	Flow Rate	6/9-11/2012	AB
1IH00026002	Water Temperature	6/9-11/2012	AB

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Since the four ammonia violations are more than a 40% exceedence for two or more months during the two consecutive quarter review period, the facility is in significant non-compliance. Follow up sampling has been occurring. When the December 2012 sampling data is submitted, the compliance will be reviewed at that time.

Please be advised that failure to comply with the effluent limitations or to satisfy monitoring or reporting requirements of your NPDES permit, may be cause for enforcement action pursuant to the Ohio Revised Code Chapter 6111.

On December 19, 2012, I met with Karen Teter to discuss the reasons for the above referenced violations, as well as the actions taken or proposed to prevent any further violations. The chlorine violation was attributed to the cleaning of the membranes. The bleach will be allowed to mix longer for the chlorine to dissipate.

The two sets of ammonia violations were attributed to two separate root causes. The violations in August 2012 were caused by the failure of an actuator on a solenoid positioning valve. This positioner controlled the levels of the wastewater in the aerobic and anaerobic tanks. The contents of the tanks mixed, and ammonia was released as the biota acclimated. The biota had to be reestablished for each tank. The positioner was rebuilt, and a new positioner was ordered. It appears the positioner had been malfunctioning. The tuning parameter used on the actuator had been out. This allowed the valve to flap. Charts of this were provided at the meeting. On August 16, 2012, the valve was retuned, and the new positioner was installed. To prevent this from recurring, a rebuild kit is on site.

The violations in November 2012 were attributed to overfeed of urea. The wastewater from the process is nitrogen deficient. Urea must be fed. The facility had been working on trying to optimize the feed into the dissolved air flotation treatment system. The urea feed was set for a flow rate of 350 gallons per minute. However, the flow rates dropped to the 150 to 200 gallons per minute flow rate without changing the urea feed. In addition, the in-house ammonia process control testing had not been done during the time the ammonia levels began to trend upward. This would have caught the issue before the violations occurred. Procedures have been put into place to ensure the in-house process control testing is being done. The urea feed rates will also be watched so they correspond to the appropriate flow rates of the process flow.

If you have any questions regarding the above, please contact me at (937) 285-6108.

Sincerely,

Marianne Piekutowski  
Environmental Specialist 2  
Division of Surface Water

cc: Karen Teter, J.M. Smucker LLC  
Mark Mann, DSW, CO  
MP\bp

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DATE: January 21, 2012

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*Signature cannot  
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2/4*