

MAR 18 2014

STATE OF ILLINOIS  
Pollution Control Board

ILLINOIS POLLUTION CONTROL BOARD

March 18, 2014

SANITARY DISTRICT OF DECATUR : )  
)  
Petitioner, )  
)  
v. )  
)  
ILLINOIS ENVIRONMENTAL )  
PROTECTION AGENCY, )  
)  
Respondent. )

PCB 14-111  
(Variance - Water)



ORIGINAL

**HEARING OFFICER ORDER**

On February 21, 2014, the Sanitary District of Decatur (District) filed a petition to extend a 2010 variance from water quality standards that establish water quality based effluent limits for nickel. The decision deadline is June 19, 2014. To assist the Board in its determination, a written response to the following questions is due by April 30, 2014.

**QUESTIONS FOR THE DISTRICT**

**1. PCB 09-125 Condition 1(e)**

- (a) The District states that the requested variance extension would “allow it more time to continue its investigation and implementation of adequate solutions regarding its *nickel* discharges.” Pet. at 2 and 7, emphasis in original. Please specifically identify which of the items listed under Condition 1(e) for which the District plans to continue its investigation and implementation during the extension period.
- (b) The District states that a new round of chronic toxicity testing will be performed in the second half of 2011 because of inconsistencies in the chronic whole effluent toxicity testing results from 2007. Exh. D at 4. Please provide information regarding updated toxicity information.

**2. PCB 09-125 Condition 1(f)**

- (a) This condition requires industrial monitoring for nickel and zinc at least twice monthly at ADM and Tate & Lyle and at least semi-annually at other industrial users. While Tate & Lyle is complying with its zinc and nickel pretreatment limits and ADM is meeting its zinc limit, there is no mention of zinc and nickel monitoring at other industrial users. Exh. B at 2. Please clarify whether any other industrial users were required to monitor for zinc and nickel. If so, address whether the results of the industrial monitoring have identified any other significant sources of nickel that could be targeted for nickel reduction efforts.
- (b) The District’s Interim Reports starting with the June 29, 2011 Interim Report (Exh. D) do not include monitoring results for nickel and zinc at Tate & Lyle.

Please indicate if the District still requires industrial monitoring for nickel and zinc through its pretreatment ordinance for Tate & Lyle to comply with the variance condition.

3. **PCB 09-125 Condition 1(g)**

This condition requires ongoing verification monitoring to confirm that cooling tower treatment programs are achieving the necessary zinc reductions. The petition indicates that both ADM and Tate & Lyle are meeting the zinc pretreatment limit. Exh. I at 3. Please indicate whether the District requires ongoing verification monitoring for cooling tower treatment program at Tate & Lyle beyond the monitoring information provided in the July 1, 2010 Interim Report. If so, please address whether ongoing monitoring show compliance with the pretreatment limits.

4. **PCB 09-125 Condition 1(h)(i)**

This condition requires the District to require ADM to complete technical and economic feasibility reviews of control technologies listed in Condition 1(h)(i)(A)-(J) by December 31, 2010. While ADM's December 22, 2010 review addresses the items in Condition 1(h)(i)(A)-(I), the review does not specifically address Condition 1(h)(i)(J), which refers to "Electro-Chemical Decomposition and Capacitive Deionization". (Exh. J). Please clarify whether the evaluation described in ADM's December 12, 2011 review (Exh. E) on page 8 was meant to cover "Electro-Chemical Decomposition and Capacitive Deionization" under Condition 1(h)(i)(J).

5. **PCB 09-125 Condition 1(i)(ii)**

This condition requires the District, in part, to determine how much of the insoluble nickel and zinc entering the District's Main Plant is removed in the sludge. Please address the District's determination of how much of the insoluble nickel and zinc entering the District's Main Plant is removed in the sludge.

**QUESTION FOR IEPA**

7. **PCB 09-125 Condition 2**

This condition directs the Agency to modify the District's NPDES permit consistent with the PCB 09-125 variance. According to the District's most recent Interim Report dated December 20, 2013, the Agency has not yet modified the District's NPDES permit. Exh. I at 1. Please provide an update regarding the status of Decatur's NPDES permit modification to incorporate the variance in PCB 09-125.

IT IS SO ORDERED.

Carol Webb

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CERTIFICATE OF SERVICE

It is hereby certified that true copies of the foregoing order were mailed, first class, on March 18, 2014, to each of the persons on the attached service list.

It is hereby certified that a true copy of the foregoing order was hand delivered to the following on March 18, 2014:

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