

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

IN THE MATTER OF:)
)
WATER QUALITY STANDARDS AND) R08-9
EFFLUENT LIMITATIONS FOR THE) (Rulemaking - Water)
CHICAGO AREA WATERWAY SYSTEM)
AND THE LOWER DES PLAINES)
RIVER: PROPOSED AMENDMENTS TO)
35 Ill. Adm. Code Parts 301, 302, 303 and)
304)

**METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER
CHICAGO'S PRE-FILED QUESTIONS TO ALAN MAMMOSER**

1. On page 5 of your testimony, you describe that the Calumet Area Vision Plan envisions "open spaces, greenways, bike paths, and a slew of recreational opportunities, mainly boating and fishing."
 - A. Do biking, boating, and fishing occur now in the Calumet Area?
 - B. Can you describe how the implementation of these visions would be affected by effluent disinfection?
 - C. Would significant bacterial loadings from sources other than the WRP effluent affect implementation of the Vision Plan?
 - D. Would this effect occur regardless of whether the WRP effluent is disinfected?
 - E. Are you aware of the background bacteria levels in the Calumet Waterways, regardless of the WRP effluent?
2. Your testimony states on page 5 that "Our ultimate goal is to create neighborhoods and industrial areas that coexist with natural areas."
 - A. Would you say that this condition is already present to a degree in the Calumet region?
 - B. Why do you consider current conditions inconsistent with your goal?
3. Your testimony focuses on the benefits of green space and available land, and the river being attractive to users. Is it your contention that the proposed water quality standards will somehow change the way the Calumet waterways look or make them more accessible?
4. On page 7, you state that "Without disinfection of the Calumet River System, the collective impact of the other efforts to improve the area will greatly decrease."

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- A. Could you please describe what you mean by the “Calumet River System?”
- B. Could you please describe what you mean by “disinfection of the Calumet River System?”
- C. Do you believe the IEPA proposal requires disinfection of the River System itself?
- D. Would your opinion change if you knew that sources other than the WRP effluent contributed significant bacterial loadings to the Calumet River System?
- E. What is the basis for your statement that “Without disinfection of the Calumet River System, the collective impact of the other efforts to improve the area will greatly decrease?”
- F. Please describe the mechanism by which “the collective impact of the other efforts to improve the area will greatly decrease” if the Calumet Water Reclamation Plant effluent is not disinfected? Provide examples.
- G. Could you please specifically describe why disinfecting the effluent of the Calumet Water Reclamation Plant, as proposed in this rule making, could be a key component to the success of the Calumet Area Vision Plan, and what are the specific areas that will be affected or improved due to the disinfection at the Calumet Water Reclamation Plant?
- H. How will the success of the Plan be affected if other significant sources of bacteria are not also addressed?
- I. In these efforts, what percentage of business relocation or visitors will be lost if disinfection is not provided at the water reclamation plants?
- J. What percentage of business relocation or visitors will be lost if other significant sources of bacteria are not also addressed?
- K. Do you believe that revitalization of urban areas is linked to water quality?
- L. Is the link to water quality different if there are no beach areas?
- M. Are there any beaches along the Calumet River System?
- N. If you believe that revitalization of urban areas is linked to water quality even where there are no beaches, why has redevelopment of downtown Chicago occurred even though the CAWS is not fishable and swimmable?

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5. According to your testimony, you have a degree in Urban Planning and Policy.
- A. In your experience with urban planning, is it appropriate to use an environmental or economic cost/benefit matrix in order to decide how best to use public resources?
 - B. Are you familiar with the environmental and economic analyses of the proposed water quality standards that were conducted for the District?
 - C. Do you know if the Calumet area is in nonattainment with the national ambient air quality standards for any criteria pollutants? Which ones?
 - D. Are you aware of the energy requirements that would be necessary to disinfect the WRP effluent?
 - E. Would your opinion concerning the desirability of disinfection change if disinfection of the WRP effluent would exacerbate air quality problems through increased energy consumption?

Dated: August 25, 2008

Respectfully submitted,

**METROPOLITAN WATER RECLAMATION
DISTRICT OF GREATER CHICAGO**

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