

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

IN THE MATTER OF:

)	PCB 16-14 (Homewood)
VILLAGE OF HOMEWOOD, HOMEWOOD)	PCB 16-15 (Orland Park)
ILLINOIS, VILLAGE OF ORLAND PARK,)	PCB 16-16 (Midlothian)
ORLAND PARK ILLINOIS, VILLAGE OF)	PCB 16-17 (Tinley Park)
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v.

ILLINOIS ENVIRONMENTAL
PROTECTION AGENCY,

(Time Limited Water Quality
Standards)
(Consolidated)

Respondent.

NOTICE OF ELECTRONIC FILING

PLEASE TAKE NOTICE that on February 13, 2020, I electronically filed with the Clerk of the Pollution Control Board of the State of Illinois, the **APPEARANCE of Molly Kordas** and **OPENLANDS' PRE-FILED QUESTIONS**, a copy of which is attached hereto and herewith served upon you.

Dated: February 13, 2020

Respectfully Submitted,

A handwritten signature in cursive script, reading "Stacy Meyers". The signature is written in dark ink and is positioned above a horizontal line.

Stacy Meyers
Senior Counsel
Openlands
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Chicago, Illinois 60602
312-863-6265
smeyers@openlands.org

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OPENLANDS' PRE-FILED QUESTIONS FOR JAMES E. HUFF

1. In your testimony, you state that "[t]he Time-Limited Water Quality Variance Petition[] includes a 280 mg/L chloride water quality objective based on a 4-year average of results from December through April." Page 4, para. 1.

Questions:

- Do you know whether this number would allow for spikes in chloride concentrations and how high those spikes could go?
- Are you aware of the presence of fatmucket mussels in waters subject to this TLWQS?
- Did you consider how to protect intolerant species such as the fatmucket in former water quality standards proceedings?
- Could some of the spikes in chloride concentrations be higher than the acute toxicity levels mussels such as the fatmucket can withstand?

2. You also state that the Lemont Refinery samples and analyzes its water intake from the CSSC. *Huff Testimony* at page 6.

Questions:

- Does the refinery monitor or analyze receiving stretches of the CSSC?
 - What is the distance between the refinery's water intake and the refinery's outfalls?
3. In your testimony, you state that "[t]he established baseline of salt usage from historical use was 475 tons per year." Page 8, para. 3.

Question: What data is this "historical use" based on?

4. You also state that there has been a 53 percent reduction of deicing salt usage since 2013, based on a four-year rolling average. *Huff Testimony* at page 9.

Questions:

- When did the refinery begin implementing BMPs?
- Was there any tracking done linking reductions of chloride to specific BMPs?
- What level of reductions are expected to result from the installation of reverse osmosis units?
- Is there any data yet as to the effectiveness of the reverse osmosis units that were installed in 2019?

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OPENLANDS' PRE-FILED QUESTIONS FOR KIM PETERSON

1. In your testimony, you suggest clarifying that “constructed mechanisms such as berms and retention ponds are not prescriptive requirements for all salt storage facilities because they may not be feasible, practical, or effective – and can even be counterproductive – depending on each Facility’s unique circumstances.” Page 3, para. 5.

Questions:

- What is the basis of your conclusion that these constructed mechanisms might be infeasible, impractical or ineffective for some salt storage facilities (SSFs)?
- How can these constructed mechanisms be feasible, practical and effective for the Morton Calumet Site?
- What, if any, alternatives to constructed mechanisms are utilized at the Calumet Site to prevent contact between salt and stormwater?
- Are there any alternatives to constructed mechanisms that, in your opinion, should

be included in the list of BMPs for SSFs?

2. You also stated that one of the BMPs already used by Morton is conveying stormwater away from the salt stockpile when it is fully constructed. *Peterson Testimony*, page 3.

Questions:

- Does this statement refer to periods of time when the salt stockpile is not yet fully constructed?
 - On average, how long does it take to fully construct the salt stockpile?
 - How often is the stockpile left open or uncovered when it is not in active use?
3. In your testimony, you mention that the Calumet Site is “visited by trucks from a variety of entities whose operations are not within Morton’s control” and those trucks may not be equipped with tarps. Page 3, para. 5.

Questions:

- Does Morton have any policies that apply to trucks that utilize or visit your facility?
- Could Morton add tarping of trucks as a policy?
- Could Morton refuse access to trucks that are not equipped with tarps?
- How many of these companies and agencies that visit the Calumet Site are participants in this proceeding?

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OPENLANDS' PRE-FILED QUESTIONS FOR ADAM JAMES

1. In your testimony, you state that “[t]he holding or retention of snow melt and stormwater runoff does not remove chloride” and that “there are no commercial collection and disposal programs that would remove chloride from such water.” Page 4, § IV.

Questions:

- Does CCDTH currently employ any practices at its maintenance facilities to prevent or minimize the amount of stormwater coming into contact with salt in the working area?
- Are you aware of any alternative practices, beyond retention of runoff, that would prevent or minimize the amount of stormwater coming into contact with salt in the working area?

2. Your testimony proposes alternate language: “[w]orking areas should be bermed and/or slipped to the extent practicable...”

Questions:

- Is it your opinion that working areas which are bermed and/or slipped without retention would be more effective in minimizing the amount of snow melt and stormwater runoff coming into contact with salt in the working area?
- How could you *feasibly* do this to prevent contact between snow melt or stormwater runoff and salt?
- Are there other BMPs that you have considered and plan to implement?
 - If so, what is your basis for choosing those specific BMPs?

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AND HIGHWAYS, VILLAGE OF NILES,)	
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ELWOOD ILLINOIS, CITY OF CHICAGO,)	
CHICAGO ILLINOIS, VILLAGE OF)	
CRESTWOOD, CRESTWOOD ILLINOIS)	
and VILLAGE OF RIVERSIDE, RIVERSIDE)	
ILLINOIS)	
Petitioners,)	

v.

ILLINOIS ENVIRONMENTAL
PROTECTION AGENCY,

(Time Limited Water Quality
Standards)
(Consolidated)

Respondent.

OPENLANDS' PRE-FILED QUESTIONS FOR SHANNON NICHOLE SCHAEFFER

1. In your testimony, you state that "[t]he available data shows that in Hickory Creek just downstream of the Regional WWTP outfall, the chloride concentration had an average of 350 mg/L in January of 2019 and an average of 53 mg/L in May-June of 2019." Page 7, para. 42.

Questions:

- What is the source of this stream monitoring data?
- How often was stream monitoring done for chloride in Hickory Creek?
- How frequently were readings or samples taken to determine the average concentrations?
- Do you have any data regarding maximum concentrations of chloride during January of 2019 and May-June of 2019?

2. You mention that the Village also utilizes a beet juice additive to reduce the amount of road salt applied to Village-maintained roads. *Schaeffer Testimony*, page 7, § 45.
 - Are there any other BMPs the Village is already using to achieve reductions in chloride concentrations?
 - If so, what was the basis for choosing these specific BMPs?
 - In your opinion, what other specific BMPs not already in use by the Village could reduce the amount of salt entering Hickory Creek from stormwater runoff from Village-maintained roads?
3. You state in your testimony that “while the Village can continue efforts to educate its water customers and residents on proper water softener settings and of the importance of doing so, the major factor contributing to chlorides in the tributaries of and into Hickory Creek is the application of road salts during winter storm events by entities other than the Village.” Page 8, para. 47.

Questions:

- Is the water passing through the Regional WWTP and being discharged into Hickory Creek softer as a result of the stated high use of water softeners?
- When did the Village of Frankfort begin these efforts to educate its water customers and residents about water softeners?
- What is entailed in these education and outreach efforts?
- What reductions have you seen in the use of water softeners from these education and outreach efforts?
- Has there been any measured decrease in chloride levels from this initiative?

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

IN THE MATTER OF:

VILLAGE OF HOMEWOOD, HOMEWOOD ILLINOIS, VILLAGE OF ORLAND PARK, ORLAND PARK ILLINOIS, VILLAGE OF MIDLOTHIAN, MIDLOTHIAN ILLINOIS, VILLAGE OF TINLEY PARK, TINLEY PARK ILLINOIS, EXXONMOBIL OIL CORPORATION, VILLAGE OF WILMETTE, WILMETTE ILLINOIS, CITY OF COUNTRY CLUB HILLS, COUNTRY CLUB HILLS ILLINOIS, NORAMCO-CHICAGO, INC., FLINT HILLS RESOURCES JOLIET LLC, CITY OF EVANSTON, EVANSTON ILLINOIS, VILLAGE OF SKOKIE, SKOKIE ILLINOIS, ILLINOIS DEPARTMENT OF TRANSPORTATION, METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO, VILLAGE OF RICHTON PARK, RICHTON PARK ILLINOIS, VILLAGE OF LINCOLNWOOD, LINCOLNWOOD ILLINOIS, CITY OF OAK FOREST, OAK FOREST ILLINOIS, VILLAGE OF LYNWOOD, LYNWOOD ILLINOIS, CITGO HOLDINGS, INC., VILLAGE OF NEW LENOX, NEW LENOX ILLINOIS, CITY OF LOCKPORT, LOCKPORT ILLINOIS, CATERPILLAR, INC., CITY OF CREST HILL, CREST HILL ILLINOIS, CITY OF JOLIET, JOLIET ILLINOIS, MORTON SALT, INC., CITY OF PALOS HEIGHTS, PALOS HEIGHTS ILLINOIS, VILLAGE OF ROMEOVILLE, ROMEOVILLE ILLINOIS, IMTT ILLINOIS LLC, STEPAN CO., VILLAGE OF PARK FOREST, PARK FOREST ILLINOIS, OZINGA READY MIX CONCRETE, INC., OZINGA MATERIALS, INC., MIDWEST MARINE TERMINALS LLC, VILLAGE OF MOKENA, MOKENA ILLINOIS, VILLAGE OF OAK LAWN, OAK LAWN ILLINOIS, VILLAGE OF DOTON, DOTON ILLINOIS, VILLAGE OF GLENWOOD, GLENWOOD

PCB 16-14 (Homewood)
PCB 16-15 (Orland Park)
PCB 16-16 (Midlothian)
PCB 16-17 (Tinley Park)
PCB 16-18 (ExxonMobil)
PCB 16-20 (Wilmette)
PCB 16-21 (Country Club Hills)
PCB 16-22 (Noramco-Chicago)
PCB 16-23 (Flint Hills Resources)
PCB 16-25 (Evanston)
PCB 16-26 (Skokie)
PCB 16-27 (IDOT)
PCB 16-29 (MWRDGC)
PCB 16-30 (Richton Park)
PCB 16-31 (Lincolnwood)
PCB 16-33 (Oak Forest)
PCB 19-7 (Lynwood)
PCB 19-8 (Citgo Holdings)
PCB 19-9 (New Lenox)
PCB 19-10 (Lockport)
PCB 19-11 (Caterpillar)
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PCB 19-28 (Lansing)
PCB 19-29 (Frankfort)
PCB 19-30 (Winnetka)
PCB 19-31 (La Grange)
PCB 19-32 (Ingredion)
PCB 19-33 (Channahon)

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BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

IN THE MATTER OF:

)	PCB 16-14 (Homewood)
VILLAGE OF HOMEWOOD, HOMEWOOD	)	PCB 16-15 (Orland Park)
ILLINOIS, VILLAGE OF ORLAND PARK,	)	PCB 16-16 (Midlothian)
ORLAND PARK ILLINOIS, VILLAGE OF	)	PCB 16-17 (Tinley Park)
MIDLOTHIAN, MIDLOTHIAN ILLINOIS,	)	PCB 16-18 (ExxonMobil)
VILLAGE OF TINLEY PARK, TINLEY	)	PCB 16-20 (Wilmette)
PARK ILLINOIS, EXXONMOBIL OIL	)	PCB 16-21 (Country Club Hills)
CORPORATION, VILLAGE OF	)	PCB 16-22 (Noramco-Chicago)
WILMETTE, WILMETTE ILLINOIS, CITY	)	PCB 16-23 (Flint Hills Resources)
OF COUNTRY CLUB HILLS, COUNTRY	)	PCB 16-25 (Evanston)
CLUB HILLS ILLINOIS, NORAMCO-	)	PCB 16-26 (Skokie)
CHICAGO, INC., FLINT HILLS	)	PCB 16-27 (IDOT)
RESOURCES JOLIET LLC, CITY OF	)	PCB 16-29 (MWRDGC)
EVANSTON, EVANSTON ILLINOIS,	)	PCB 16-30 (Richton Park)
VILLAGE OF SKOKIE, SKOKIE ILLINOIS,	)	PCB 16-31 (Lincolnwood)
ILLINOIS DEPARTMENT OF	)	PCB 16-33 (Oak Forest)
TRANSPORTATION, METROPOLITAN	)	PCB 19-7 (Lynwood)
WATER RECLAMATION DISTRICT OF	)	PCB 19-8 (Citgo Holdings)
GREATER CHICAGO, VILLAGE OF	)	PCB 19-9 (New Lenox)
RICHTON PARK, RICHTON PARK	)	PCB 19-10 (Lockport)
ILLINOIS, VILLAGE OF LINCOLNWOOD,	)	PCB 19-11 (Caterpillar)
LINCOLNWOOD ILLINOIS, CITY OF OAK	)	PCB 19-12 (Crest Hill)
FOREST, OAK FOREST ILLINOIS,	)	PCB 19-13 (Joliet)
VILLAGE OF LYNWOOD, LYNWOOD	)	PCB 19-14 (Morton Salt)
ILLINOIS, CITGO HOLDINGS, INC.,)	PCB 19-15 (Palos Heights)
VILLAGE OF NEW LENOX, NEW LENOX)	PCB 19-16 (Romeoville)
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INC., CITY OF CREST HILL, CREST HILL)	PCB 19-19 (Park Forest)
ILLINOIS, CITY OF JOLIET, JOLIET)	PCB 19-20 (Ozinga Ready Mix)
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PALOS HEIGHTS, PALOS HEIGHTS)	PCB 19-22 (Midwest Marine)
ILLINOIS, VILLAGE OF ROMEOVILLE,)	PCB 19-23 (Mokena)
ROMEOVILLE ILLINOIS, IMTT ILLINOIS	)	PCB 19-24 (Oak Lawn)
LLC, STEPAN CO., VILLAGE OF PARK	)	PCB 19-25 (Dolton)
FOREST, PARK FOREST ILLINOIS,	)	PCB 19-26 (Glenwood)
OZINGA READY MIX CONCRETE, INC.,	)	PCB 19-27 (Morton Grove)
OZINGA MATERIALS, INC., MIDWEST	)	PCB 19-28 (Lansing)
MARINE TERMINALS LLC, VILLAGE OF	)	PCB 19-29 (Frankfort)
MOKENA, MOKENA ILLINOIS, VILLAGE	)	PCB 19-30 (Winnetka)
OF OAK LAWN, OAK LAWN ILLINOIS,	)	PCB 19-31 (La Grange)
VILLAGE OF DOTON, DOTON ILLINOIS,	)	PCB 19-33 (Channahon)
VILLAGE OF GLENWOOD, GLENWOOD	)	PCB 19-34 (CCDTH)

ILLINOIS, VILLAGE OF MORTON	)	PCB 19-35 (Niles)
GROVE, MORTON GROVE ILLINOIS,	)	PCB 19-36 (Skyway)
VILLAGE OF LANSING, LANSING	)	PCB 19-37 (Elwood)
ILLINOIS, VILLAGE OF FRANKFORT,	)	PCB 19-38 (Chicago)
FRANKFORT ILLINOIS, VILLAGE OF	)	PCB 19-40 (Crestwood)
WINNETKA, WINNETKA ILLINOIS,	)	PCB 19-48 (Riverside)
VILLAGE OF LA GRANGE, LA GRANGE)	
ILLINOIS, VILLAGE OF CHANNAHON,)	
CHANNAHON ILLINOIS, COOK COUNTY)	
DEPARTMENT OF TRANSPORTATION)	
AND HIGHWAYS, VILLAGE OF NILES,)	
NILES ILLINOIS, SKYWAY CONCESSION)	
COMPANY LLC, VILLAGE OF ELWOOD,)	
ELWOOD ILLINOIS, CITY OF CHICAGO,)	
CHICAGO ILLINOIS, VILLAGE OF)	
CRESTWOOD, CRESTWOOD ILLINOIS)	
and VILLAGE OF RIVERSIDE, RIVERSIDE)	
ILLINOIS)	

Petitioners,

v.

ILLINOIS ENVIRONMENTAL
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Respondent.

CERTIFICATE OF SERVICE

I, the undersigned, certify that on February 13, 2020, I served electronically the attached **APPEARANCE of Molly Kordas and OPENLANDS' PRE-FILED QUESTIONS** to the participants listed on the attached Service List.

Respectfully Submitted,

A handwritten signature in cursive script, reading "Stacy Meyers". The signature is written in dark ink and is positioned above a horizontal line.

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