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Page 1
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               ILLINOIS POLLUTION CONTROL BOARD
 2
                          June 4, 2025
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 4
     IN THE MATTER OF:
                                         )
     STANDARDS FOR THE PLACEMENT
 5
     OF LIMESTONE RESIDUAL
     MATERIALS: PROPOSED NEW 35
 6
                                        ) R 25-21
     ILL. ADM. CODE 706
                                         ) (Rulemaking -
 7
                                         )
                                             Land
                                         )
 8
                                         )
 9
      Hearing before the Illinois Pollution Control Board
10
11
                    Transcript of Proceedings
12
                          June 4, 2025
13
14
15
              The aforementioned proceedings were held
     on June 4, 2025, at the Aurora City Hall, 44 East
16
     Downer Place, City Council Chamber, Aurora,
17
     Illinois, before Raelene Stamm, a certified
18
19
     shorthand reporter.
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22
23
     Reported By: Raelene Stamm, CSR
     License No.:
24
                   084-004445
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1	PRESENT:
2	ATTENDING BOARD MEMBERS:
3	MS. MICHELLE GIBSON
4	MR. ANAND RAO
5	
6	BOARD STAFF:
7	MR. DANIEL PAULEY, Hearing Officer
8	
9	PROPONENTS - ATTORNEYS:
10	MR. DENNIS WALSH, Klein, Thorpe & Jenkins
11	MR. ALEC MESSINA, HeplerBroom, LLC
12	MR. ROBERT LEIBLE, City of Aurora
13	MR. ALEX ALEXANDROU, City of Aurora
14	MR. RANDI WILLE, Holcim, Incorporated
15	
16	ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:
17	MR. NICK SAN-DIEGO
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HEARING OFFICER PAULEY: Good afternoon, and welcome to this Illinois Pollution Control Board hearing. My name is Daniel Pauley, and I am the hearing officer for this rulemaking proceeding entitled Standards For the Placement of Limestone Residual Materials 35, Illinois Administrative Code 706. The Board docket number for this rulemaking is R25-21.

Also present today from the Board are
Board Member Michelle Gibson, and Board staff
present is Anand Rao, the Board's technical unit.

This hearing is governed by the Board's procedural rules. All information that is relevant and that is not repetitious or privileged will be admitted into the record.

Please bear in mind that any questions posted today by the Board and its staff are intended solely to help develop a clear and complete record for the Board's decision and do not reflect any decision on the proposal testimony or other questions.

For the sake of our court reporter, please speak clearly and avoid speaking at the same time as another person so that we can help produce a

Page 4 1 clear transcript. The City of Aurora and Holcim, Inc., 2 jointly filed this rulemaking proposal with the 3 Board on February 4, 2025. In March 2025, notice 4 5 was published for this hearing and papers circulated in the Aurora, Springfield and Chicago 6 7 areas. 8 The first hearing took place on April 17, 9 2025, between Springfield and Chicago via videoconference. The Board received no pre-filed 10 11 testimony for this hearing. However, on June 2, 2025, the Board pre-filed questions for the 12 13 Proponent's witnesses, and on June 4, 2025, the 14 IEPA pre-filed questions for the proponents. 15 So seeing that there's nobody here to give public comment, we can begin with pre-filed 16 17 questions, but first let's swear in all three of 18 the witnesses together. 19 (WHEREUPON, all witnesses were duly sworn.) 20 2.1 HEARING OFFICER PAULEY: Did the witnesses want 22 to offer introduction or brief summary? 2.3 MR. MESSINA: Mr. Hearing Officer, maybe before 24 they can get to their questions because I think

we're prepared to answer several questions today.

Other questions we'd like to hold off for a period of time. So maybe I can just address that first, and then we can bring all three witnesses up to answer the questions posed by Board.

Does that make sense to you?

HEARING OFFICER PAULEY: That works.

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MR. MESSINA: Okay. Great. So I would just say -- share with the Board that we've had some conversations with the Agency both yesterday and today, and that it's our understanding that the Agency is committed to working with us in the near term to find some mutually agreeable provisions that address some of their concerns.

Certainly I think we disagree with the characterizations that were made in the comment filed yesterday, but I don't think it necessarily serves any of us at this point to have those discussions particularly when we believe that we'll be able to work together to arrive at, again, mutually agreeable language.

So with that, I think it makes sense for us to hold off on agency questions today and instead focus on questions that were submitted by

Board. Of those ten, I believe three or four of those veer into kind of the legal waste-related issues that we'll be talking with the Agency about.

So I would suggest for your consideration that our witnesses respond to Questions 4, 5, 6, 7, 8 and 10, and then the remainder of those questions we will see whether they need to be addressed after we've had some discussion with the Agency.

HEARING OFFICER PAULEY: Okay. That sounds good. So if there's nothing else, we can go ahead and bring the witnesses up, and we'll start with the Board questions.

All right. As Mr. Messina said,

Questions 1 through 3 of the Board's questions are
going to be dealt with at a later time, so we'll

begin with Question 4. And if you'd like, I can
just read it out real quick.

In the mass public comment one, Exhibit 8, submitted in response the Board's general Question Number 1, please clarify whether prior year first lift would be location where LRM, limestone residual placement, will begin upon the adoption of the proposed rules. If not, describe how LRM placement will progress upon adoption of

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Page 7 1 Part 706. 2 State your name. MR. WILLE: My name is Randi Wille. Before I 3 answer the question, as of June 2nd I changed my 4 5 employment to a different company. I am testifying 6 in support of this proposal as a past employee of 7 Holcim. 8 In reference to Exhibit 8, the answer is 9 no, the map that was submitted was the last in a ten-year sequence created by our mining 10 11 engineering. 12 MR. WALSH: Question 4, right? 13 MR. WILLE: This is Question 4, Exhibit 8. 14 map that was submitted was the last in a ten-year 15 sequence created by our mine engineers. 16 MR. MESSINA: Randi, hold on a second. I'm 17 sorry. I apologize. 18 MR. WILLE: So the map, Exhibit 8, it is not 19 the prior first lift replacement will begin. map that was submitted was the last in a ten-year 20 21 sequence created by our mine engineers. 22 The prior year first lift of that exhibit 2.3 shows the completion of the ninth year. However, we would be happy to furnish a map showing the 24

starting point of the initial LRM placement.

MR. RAO: That would be helpful.

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HEARING OFFICER PAULEY: We're ready to move to Question 5. The Proponent's response to Board's Question Number 10 indicates that quantities of LRM, either land applied or landfilled, during 2023 and 2024 ranged approximately between 12,700 to 16,300 dry tons.

Mr. Alexandrou testified that the City disposes of approximately 35,000 tons of LRM, either by land application or at a municipal waste landfill. Please clarify whether the difference in tonnage is due to wet weight being considered in Mr. Alexandrou's testimony.

MR. ALEXANDROU: Alex Alexandrou -- at the first public hearing on the 17th of April, I was still employed by the City of Aurora. As of June 1st, I have retired from the City. However, I am here as a representative of the City testifying in support of the city's proposal for regulations.

So to clarify, yes, the difference in tonnage is due to wet weight being considered in my testimony which was 35,000 wet tons.

HEARING OFFICER PAULEY: Thank you.

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We can move to Question 6. Also, the LRM generation data indicates that land application accounted for almost 90 percent of the LRM generated during 2023 and 2024. Please comment on whether the LRM generation data cited above represents typical breakdown of how LRM is managed by the City.

MR. ALEXANDROU: Again, Alex Alexandrou for the City. While there's no fixed or typical annual breakdown for how limestone residual is managed by the City, the data cited for 2023 and 2024 reflects the City's ongoing efforts to prioritize land application over landfilling whenever practicable.

The percentage of LRM managed through land application can vary from year to year based on weather conditions, agricultural demand site availability, and regulatory considerations.

However, the City consistently endeavors to maximize the use of land application as a preferred method due to its environmental and economic advantages.

HEARING OFFICER PAULEY: Thank you.

MR. RAO: Just to follow up, in your statement of reasons, there were some cost figures given

about how much the City will save if this proposal is adopted by the Board. And those cost figures -- are they based on mostly land application costs the City incurs or, you know, it also represents how much it costs to landfill this material.

MR. ALEXANDROU: I believe, and I will defer to Bob in a minute -- Bob Leible -- but I believe it's a combination of the company that we have to hire to manage the drying beds to move the material around, and then the cost, like we said in my testimony, were applicable if it's going to be land applied or if it's going to be landfilled.

MR. LEIBLE: Robert Leible --

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HEARING OFFICER PAULEY: It's not on.

THE WITNESS: Robert Leible -- I'm superintendent of the Water Production Division which operates the water treatment plan that generates the LRM material.

Yeah, I believe when we calculated that for the last meeting, those cost savings were based upon current land application pricing versus what we expect to incur for the alternate disposal in the mine.

MR. RAO: Also, when you -- under the proposal

Page 11 1 if the LRM is placed in the mine, would they still 2 be placed on the drying beds to dry the material before they are placed in the mine? 3 MR. LEIBLE: Yes. We expect no change in how 5 we currently do water or dry the material at the treatment plant prior to removal. 6 MR. RAO: Thank you. 8 HEARING OFFICER PAULEY: Question 7, the 9 laboratory analytical reports for LRM submitted in response to Board's Question Number 11 indicate 10 11 total metal levels significantly higher that the reporting limits for several metals, including 12 13 copper, lead, manganese, nickel and zinc. 14 Please comment on whether the metals' 15 content of LRM exceeding the reportable limits have 16 any impact on groundwater due to the potential 17 seepage of liquid from LRM placed within the 18 Conco Mine. 19 MR. LEIBLE: Robert Leible again, Superintendent of Water Protection for the City of 20 2.1 Aurora. 22 The metals identified in the referenced 23 laboratory analytical reports -- copper, lead, manganese, nickel and zinc -- are present only in 24

trace concentrations within the overall composition of the limestone residual material.

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The highest detected concentration among these was 126 milligrams per kilogram or parts per million for manganese, and I'll clarify that that was taken from the 2024 report that's previously been submitted, and which remains well within typical background levels for residuals derived from lime softening processes.

Importantly, these metals are not expected to be leachable. This conclusion is supported by the results of the Toxicity Characteristic Leaching Procedure, TCLP, analyses submitted as part of the record which demonstrate that the LRM does not exhibit hazardous characteristics with respect to metal leachability.

Moreover, groundwater protection testing submitted in support of this rulemaking, including analyses comparing LRM leachate to Illinois Class 1 Groundwater Standards show no exceedances or reporting limits for the metals in question. These findings provide strong evidence that the placement of LRM within the Conco Mine will not result in any adverse impact to groundwater due to potential

seepage.

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The trace metals present in the LRM remain stably bound within the calcium carbonate matrix of the material and are not expected to mobilize in the conditions present in the mine environment.

HEARING OFFICER PAULEY: Thank you.

Question 8, in regards to the general NPDES permit submitted in response to Board's Question 15, and we'll first start with Subquestion A. Please clarify whether Lafarge Aggregates Conco Quarry is now being operated by Holcim, Inc., as Conco Mine.

MR. WILLE: Randi Wille again in support of Holcim. Yes. The name of the operator of the Conco Quarry changed from Lafarge Aggregates Illinois, Inc., to Holcim - MAMR, Inc., via a NPDES miner modification notification letter issued by the Illinois EPA on July 27, 2022.

HEARING OFFICER PAULEY: And Subquestion B of Number 8, considering the annual placement of approximately 35,000 tons of LRM with liquid content ranging from 60 to 65 percent, please comment on whether the general NPDES permit will have to be revised to address the additional

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discharge resulting from dewatering of LRM placed within the mine.

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MR. WILLE: Randi Wille again for Holcim.

Proponents do not believe that the general NPDES permit for the Conco Mine will need to be revised to address the discharge of any potential seepage from the LRM placed within the mine. Once dewatered, LRM transitions to a dense, cohesive and compactible solid form with significantly reduced permeability.

Its physical characteristics combined with its naturally-high alkalinity and strong binding properties promote structure stability and further limit the potential for liquid migration.

Any incidental seepage resulting from residual moisture content in the LRM is anticipated to be minimum and well within the discharge parameters currently authorized under the existing general NPDES permit. Therefore, the projected volume and characteristics of any such discharge do not warrant a modification of the permit.

MR. RAO: We had some related follow-up questions based on IEPA about this material itself, and we will hold off those questions at this point.

And then based on what we receive from you, we might have additional questions.

HEARING OFFICER PAULEY: Thank you.

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We will skip Question Number 9 and move to Question Number 10. In response to IEPA's pre-filed Question Number 5 regarding structural stability, the proponents note, "The proposed rules require site specific geotechnical evaluations of the mine, including stability assessments of the mined-out areas where LRM is to be placed."

Please provide citations to the provisions of the proposed rules that require site specific geotechnical evaluation of the mine as well as stability assessment of mined-out areas.

MR. WILLE: Again, Randi Wille in support of Holcim. While the proposed rule language does not utilize the terminology of site specific geotechnical evaluations and/or stability assessments, such evaluations are inherently required in order to comply with the proposed Section 706.720N.

Section 706.720N addresses integrity and structural stability of the facility and states that "operators shall ensure the integrity of the

mine prior to, during and after placement of the LRM in the mine."

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To meet this performance-based standard, operators will necessarily be required to conduct appropriate site specific geotechnical evaluations and structural stability assessments of the mined-out areas designated for LRM placement.

These assessments will inform engineering decisions related to placement design, material loading and long-term monitoring, all of which are essential to ensuring compliance with Section 706.720N. Thus, while not explicitly stated, the requirement for geotechnical and stability evaluations is implicit in the obligation to maintain mine integrity as set forth in the proposed rules.

MR. RAO: We may have follow-up questions later on this.

HEARING OFFICER PAULEY: Okay. For the record, does anyone else have questions for the proponents' witnesses?

Okay. Not seeing any, we'll just move to public comment. Is there anyone present that would like to offer a public comment?

	Page 17
1	Not seeing any, let me take a moment to
2	address the issue of the economic impact statement.
3	Section 27B of the Environmental
4	Protection Act provides that the Board must request
5	that the Department of Commerce and Economic
6	Opportunity conduct an economic impact study of
7	proposed rules before the Board adopts the rules.
8	The Board must take either the economic impact
9	study or the Department's explanation for not
10	conducting one available to the public at least
11	20 days before a public hearing.
12	In a letter dated February 20, 2025, the
13	Board's Chair Barbara Flynn-Currie requested that
14	DCEO conduct an economic impact study on this
15	rulemaking proposal. As of today we have not
16	received a response from the DCEO.
17	Is there anyone present who would like to
18	testify for the Board's request for the study and
19	DCEO's response?
20	Okay. Not seeing any, let's go off the
21	record for just a minute.
22	(WHEREUPON, a discussion was had
23	off the record.)
24	HEARING OFFICER PAULEY: We went off the record

	Page 18
1	to discuss procedural issues.
2	We have decided to hold a status
3	conference on July 9th at 10:00 a.m. That is
4	Wednesday. Copies of the transcript of today's
5	hearing are expected to be available no later than
6	Wednesday, June 11, 2025.
7	Promptly after the Board receives the
8	transcript, it will be posted to COOL, our online
9	document system, from which it can be viewed and
10	printed.
11	Are there any other matters that need to
12	be addressed at this time?
13	Seeing none, I would like to thank
14	everyone for participating today. This second
15	hearing is adjourned.
16	(WHEREUPON, proceedings
17	adjourned at 1:30 p.m.)
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1	STATE OF ILLINOIS)
2) SS:
3	COUNTY OF C O O K
4	
5	RAELENE STAMM being first duly sworn, on
6	oath says that she is a court reporter doing
7	business in the City of Chicago; and that she
8	reported in shorthand the proceedings of said
9	hearing, and that the foregoing is a true and
10	correct transcript of her shorthand notes so taken
11	as aforesaid, and contains the proceedings given at
12	said hearing.
13	Raelene Stamm
14	
15	Certified Shorthand Reporter
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[& - anticipated]

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