

Three Empire State Plaza, Albany, NY 12223-1350 www.dps.ny.gov

Public Service Commission

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November 27, 2023

VIA EMAIL

Hon. Michelle L. Phillips Secretary to the Commission 3 Empire State Plaza Albany, NY 12223-1350

Re: Matter No. 21-01188 – In the Matter of the Indian Point Closure Task Force and Indian Point Decommissioning Oversight Board.

Dear Secretary Phillips:

Please accept for filing in the above-captioned matter, the transcript of the September 21, 2023 Indian Point Decommissioning Oversight Board meeting.

Should you have any questions regarding this filing, please contact me. Thank you.

Respectfully submitted,

Tom Kaczmarek Executive Director

Indian Point Closure Task Force

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Indian Point Decommissioning Oversight Board

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1	9/21/2023 - Indian Point
2	STATE OF NEW YORK
3	PUBLIC SERVICE COMMISSION
4	INDIAN POINT CLOSURE TASK FORCE
5	INDIAN POINT DECOMMISSIONING OVERSIGHT BOARD
6	
7	JOINT MEETING
8	
9	Thursday, September 21, 2023
10	6:03 p.m. until 8:55 p.m.
11	1 Heady Street
12	Cortland, New York 10567
13	Or
14	Via Zoom
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		Page 2
1	9/21/2023 - Indian Point	
2	APPEARANCES:	
3	FOR DEPARTMENT OF PUBLIC SERVICE:	
4	TOM KACZMAREK	
5	TOM CONGDON	
6	JOHN SIPOS	
7	FOR DEPARTMENT OF ENVIRONMENTAL CONSERVATION:	
8	KELLY TURTURRO	
9	FOR DEPARTMENT OF LABOR:	
10	RACHEL ADLER	
11	FOR DEPARTMENT OF HEALTH:	
12	ALEX DAMIANI	
13	FOR DEPARTMENT OF STATE:	
14	MARK PATTISON	
15	FOR TOWN OF CORTLANDT:	
16	JIM CREIGHTON	
17	FOR VILLAGE OF BUCHANAN:	
18	THERESA KNICKERBOCKER, MAYOR	
19	FOR HENDRICK-HUDSON SCHOOL DISTRICT:	
20	DR. DENNIS LAURO, ACTING SUPERINTENDENT	
21	FOR WESTCHESTER COUNTY:	
22	SUSAN SPEAR	
23	CATHERINE BORGIA, BOARD OF LEGISLATORS	
24		
25		

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2	FOR NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT
3	AUTHORITY:
4	ALYSE PETERSON
5	FOR UTILITY WORKERS UNION OF AMERICA, LOCAL 1-2
6	BILL SMITH, VICE PRESIDENT
7	FOR WESTCHESTER PUTNAM CENTRAL LABOR COUNCIL:
8	THOMAS CAREY, PRESIDENT
9	FOR DIVISION OF HOMELAND SECURITY AND EMERGENCY SERVICES:
10	JENNIFER WACHA
11	FOR NEW YORK POWER AUTHORITY:
12	JOE LEARY
13	INDEPENDENT TECHNICAL EXPERT:
14	DAVID LOCHBAUM
15	FOR RIVERKEEPER:
16	RICHARD WEBSTER
17	VICTORIA LEUNG
18	FOR HOLTEC:
19	RICH BURRONI
20	PAT O'BRIEN
21	ALSO PRESENT:
22	PETER HARCKHAM, SENATOR
23	DANA LEVENBERG, ASSEMBLYWOMAN
24	BRIDGET FRYMIRE, PANELIST
25	MIKE MORRIS, PANELIST

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2	(The meeting commenced at 6:03 p.m.)
3	CHAIRMAN CONGDON: Good evening
4	and welcome to the meeting of the Indian Point
5	Closure Taskforce and the Decommissioning
6	Oversight Board.
7	My name is Tom Congdon. I'm the
8	Chair of the Taskforce and the D.O.B. and I'd like
9	to turn it over to our Executive Director, Tom
10	Kaczmarek, to give a few notes on the meeting
11	minutes and run through a roll call, please.
12	Tom?
13	MR. KACZMAREK: Thanks, Tom.
14	Good evening and welcome to tonight's meeting.
15	My name is Tom Kaczmarek and I
16	serve as the Executive Director in the the - so
17	I'll run through the names here quickly. I just
18	ask if you can be brief in acknowledging your
19	attendance.
20	Senator Pete Harkham? Senator,
21	you may need to unmute yourself.
22	Well, I do believe the Senator is
23	with us, but we'll work on the on sound.
24	
25	I believe we're still waiting for

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2	Assemblywoman Levenberg, are you with us
3	virtually?
4	CHAIR CONGDON: She just texted me
5	that she's in traffic. She'll be here as soon as
6	possible.
7	Thank you.
8	Kelly Turturro, D.E.C.?
9	MS. TURTURRO: Here.
10	SENATOR HARCKHAM: Harckham here,
11	didn't hear you. Apologies.
12	MR. KACZMAREK: Thank you, Senator.
13	Alex Damiani, Department of Health?
14	MR. DAMIANI: I'm here virtually.
15	MR. KACZMAREK: Thank you, Alex.
16	Rachel Adler, Department of Labor?
17	MS. ADLER: Here.
18	MR. KACZMAREK: Jennifer Wacha,
19	Department Division of Homeland Security
20	Emergency Services?
21	MS. WACHA: Online.
22	MR. KACZMAREK: Thank you.
23	Alyse Peterson, NYSERDA?
24	MS. PETERSON: Here.
25	MR. KACZMAREK: Ed Birdie, New York

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2 Power Authority? Or if Joe Leary is on the line,
3 as well.
4 MR. LEARY: Yes, I'm on.
5 MR. KACZMAREK: Thank you, Joe.
6 Dave Lochbaum?
7 MR. LOCHBAUM: I'm here.
8 MR. KACZMAREK: Thank you, Dave.
9 Richard Webster or Victoria Leung?
10 Okay. Mayor Knickerbocker?
11 MS. KNICKERBOCKER: Yes.
12 MR. KACZMAREK: Councilmember
13 Creighton?
14 Susan Spear?
15 MS. SPEAR: Here.
16 MR. KACZMAREK: Catherine Borgia,
17 Westchester County Board Legislator?
18 Bill Smith, are you in?
19 MR. SMITH: Here.
20 MR. KACZMAREK: And Tom Carey?
21 Okay. Before I turn it back over
22 to chair
23 MR. CAREY: Here. Sorry about
24 that.
25 MR. KACZMAREK: Thank you, Tom.

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2	Before I turn it back
3	MR. CAREY: Sorry.
4	MR. KACZMAREK: Thank you,
5	Assemblywoman Levenberg.
6	Before I turn it back over to Chair
7	Congdon, I want to provide a few brief reminders
8	to those who are participating in person and
9	online to ensure a smooth meeting.
10	To our in-person board members and
11	guest presenters, please speak into the mic to
12	ensure your comments are clearly heard and
13	accurately recorded.
14	To our panelists joining by Zoom,
15	please use your mics and keep your mics muted
16	unless you are speaking. And to our Zoom
17	participants, who will be delivering statements
18	later, please reserve the chat feature for
19	reporting technical issues to our audio-visual
20	team.
21	Only questions captured in the Q
22	and A field are able to be saved and reviewed.
23	And finally, all speakers tonight are asked to
24	indicate your name before making statements. This
25	will support tonight's court reporter with

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2	accurately recording tonight's meeting.
3	Let me briefly show the agenda for
4	tonight's meeting. As you'll see, we have quite a
5	bit quite a bit of business to cover. Chair
6	Congdon will provide welcome and some task force
7	updates, which will be followed by state oversight
8	updates from a number of our state
9	representatives. We will then gather updates from
10	Dave Lochbaum on presentation on ISFSI
11	inspections, which will be followed by a Holtec
12	operational updates. Then we will move on to the
13	public statement portion of our meeting to
14	conclude the evening.
15	With that, I'd like to turn it back
16	over to Chair Congdon to begin tonight's meeting.
17	CHAIR CONGDON: Thank you, Tom.
18	So as many of you know, the closure
19	task force and oversight board provide an
20	important venue for sharing information about the
21	activities happening at Indian Point and state
22	agency oversight.
23	You know, decommissioning a nuclear
24	power plant is no small task. And hazards that
25	are on site are very real and must be mitigated to

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2	protect the public safety environment. The
3	technical and environmental issues onsite are
4	almost as complex as the regulatory construct
5	overseeing the site.
6	And so the body of the
7	Decommissioning Oversight Board plays an important
8	role in helping bring more attention to these
9	issues and to shed light on some topics that are
10	otherwise pretty complex.
11	Our membership includes agencies in
12	a role of either regulatory oversight or local
13	government all local government assistance include
14	jurisdiction oversight, elected officials
15	representing these municipalities, the Hed Hud
16	School District, the labor community, and
17	independent technical expert and a representative
18	from the environmental community.
19	Through discussions with these
20	representatives, guest speakers, and the public,
21	we are fostering a greater understanding of what's
22	happening onsite and what what more each
23	government entity can do to address concerns.
24	We've been meeting at a pace about
25	every other month. And the format has allowed for

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2	outside perspectives to be presented as well as
3	regular presentations of Holtec and the agencies -
4	- oversight agencies.
5	Most importantly, the meetings have
6	included a lot of opportunity for public
7	engagement with some public forums where there are
8	opportunities for Q and A with the public and
9	subject matter experts, as well as public
10	statements.
11	As Tom already walked through, we
12	have a full agenda. But of course, the biggest
13	update since our last meeting is that Governor
14	Kathy Hochul signed the legislation sponsored by
15	Senator Harckham and Senator Levenberg, that
16	prohibits discharging radioactive wastewater from
17	decommissioning facilities into the river.
18	If that bill wasn't signed, the agenda for this month's
19	meeting would look a lot different. But tonight, we will
20	be able to focus on other important topics.
21	As Tom already walked through,
22	we're going to hear some updates regarding state
23	oversight, including a number of important letters
24	that the state has sent to N.R.C. We'll discuss
25	various citations, finding Holtec in non-

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2	compliance with N.R.C. rules. Even where N.R.C.
3	has concluded no safety concerns about these
4	citations, we'll discuss the state's view, that
5	N.R.C. should adjust its enforcement approach to
6	decommissioning sites to address patterns of non-
7	compliance.
8	We will also talk about a recent
9	N.R.C. inspector general report, finding concerns
10	with dry cask inspections in the southeastern
11	United States and whether there's cause for
12	concern in the northeast, Indian Point in
13	particular.
14	David Lochbaum will provide
15	important context for why dry cask inspections are
16	important. We will also hear from Holtec,
17	regarding their latest updates, including their
18	summary of N.R.C. citations and activity.
19	And lastly, we will have time for
20	public statements.
21	Before I dive in to state agency
22	oversight updates, I want to open the floor to any
23	D.O.B. member that wishes to
24	SENATOR HARCKHAM: Tom?
25	CHAIR CONGDON: Yes, Senator.

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2	SENATOR HARCKHAM: Might I say a
3	word please?
4	CHAIR CONGDON: Yes, sir.
5	SENATOR HARCKHAM: Thank you.
6	Good evening, everyone. I'm sorry
7	I'm not with you in person as I normally am. I
8	have a family engagement. But I wanted to be with
9	you to just to share a reflection. You know,
10	Tom Tom led with with the news that the
11	governor had signed an important piece of
12	legislation. And and what I thought it was
13	it was worth reflecting on the process on how
14	we got here, you know, as somebody who is involved
15	with the initial legislation and worked with the
16	community to help create the task force and how
17	far we've come and just how we move forward.
18	You know, to some people, the
19	governor signing the bill was a great victory. To
20	others who did not agree that was the way to go, I
21	fully respect where you're coming from. That's
22	democracy and we vow to continue to to work
23	with you collaboratively to move forward.
24	As Tom said, at the beginning, this
25	is complex. This is not easy. These are

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2	challenging issues. And and we all have to
3	work together. And and to that point, I just
4	want to make a plug for civility. You know, I
5	think what's great about where we came from with
6	this legislation was was that it was a germ
7	borne out of public comment in the task force.
8	And through rigorous debate and
9	exchange of ideas and facts, that's, you know,
10	this is how the process move forward. But but
11	I think we risk with our zeal and our passion,
12	we need to stay civil. I noticed there were
13	several instances in the last couple of meetings
14	where I thought folks crossed the line in terms of
15	their comments, especially toward professional
16	staff.
17	And and, you know, the thing is,
18	folks, we're going to be doing this for another
19	ten years. And we've got to get along because if
20	we're not civil, we lose the ability to listen to
21	each other. And that, I think, is the most
22	critical thing.
23	And if we think of where we've come
24	from, you know, that this was an idea that was
25	start this taskforce, the oversight board, was

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2	an idea that was first came from the community,
3	then through legislation. Then we got together
4	during Covid. And through many community efforts
5	on expressing ways to improve the technical and
6	the feedback on this board, the staff went through
7	great measures to do that and to avail public
8	comment.
9	And now we're at the point where
10	where it worked. You know, we had public
11	discourse, the legislature listened, we passed
12	incredible legislation, the governor signed it.
13	You know, I think this is a sign that this worked.
14	And everybody here has value,
15	certainly, the professional staff, the Holtec
16	folks, the Holtec workers, the activists, our
17	union brothers and sisters. And as I said, we've
18	got ten years together to get this right. And I
19	just hope that we treat each other with respect
20	and dignity and civility. You know, let's be
21	passionate, you know, let's be factual. But
22	but but let's be kind to each other because
23	we're going to be spending a lot of time together.
24	And and I just want to close by
25	by thanking all of the professional staff from

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2	from New York state and from the county for the
3	tremendous work you do. And I know this is not
4	your only gig. I work with many of you constantly
5	on other issues. And I admire your
6	professionalism and your passion and and your
7	your desire to serve the people of New York.
8	And, you know, those of us who are
9	in elective office when we sign up, we know we're
10	going to get sharp elbows, we know we're going to
11	get dinged. But but those of you who are
12	public servants on the employee side of the
13	ledger, you know, shouldn't have to take those
14	barbs. And I just want you to know how much I
15	appreciate everything you do, each and every day
16	for the people of New York.
17	I think this this oversight
18	board is is a great thing that we've all
19	created collaboratively. There's nothing like it
20	in the country. We're a model for the rest of the
21	country. And and I think, you know, we can
22	really have an important role moving forward
23	throughout this process, as long as we handle our
24	business correctly. So thank you all very much
25	and have a great meeting.

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2	CHAIR CONGDON: Thank you, Senator.
3	Anyone else on the D.O.B. who want
4	to say a few words? Dr. Lauro?
5	DR. LAURO: Good evening. I only
6	wanted to give an update as to the Hen Hud part of
7	the project which is monitoring. We have
8	contracts in place and we're ready to roll with
9	trying to get benchmark data on our school
10	district in terms of environmental impact, if
11	there is any point at our B-V Elementary School
12	and the delay that we have had in getting started
13	is actually aligned with some construction work
14	that we were going to do during the summer.
15	And then, I only found out from
16	this meeting today, that the last of the punch
17	list items will be done probably within another
18	week. So we wanted all that cleared out before we
19	did anything. So this aligns well.
20	The monitoring system is also a
21	part of that. And that's a piece I know I'm
22	working with some of the people here at the state
23	level to amend the contract in order to amend the
24	contract in order to have that happen.
25	So we're ready to go. We have our

1 9/21/2023 - Indian Point 2 contacts. We're satisfied with everything and 3 we're working in tandem with the Commission on 4 that. Thank you. 5 CHAIR CONGDON: Thank you, Dr. 6 Lauro. And just as an action item, just as a 7 follow-up, I think, Susan, we'd like to convene a 8 meeting with the county, as well as D.E.C. to 9 discuss the contracts they have in place and the 10 plan they have for monitoring and make sure 11 there's some coordination between their contractor 12 and the county, D.E.C. 13 And, you know, we stand ready to 14 work with the school district on the necessary 15 amendments to the contract as well. So we 16 appreciate the work that you're doing with Dr. 17 Lauro. Thank you. 18 MS. SPEAR: Absolutely. 19 CHAIR CONGDON: Hi. 20 ASSEMBLYWOMAN LEVENBERG: Hi. 21 CHAIR CONGDON: Assemblywoman 22 Levenberg? 23 ASSEMBLYWOMAN LEVENBERG: Sure. 24 First, again, I would also just like to echo my 25 colleague, Senator Harckham's comments. Thank you		Page 17
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Lauro. Thank you. MS. SPEAR: Absolutely. CHAIR CONGDON: Hi. ASSEMBLYWOMAN LEVENBERG: Hi. CHAIR CONGDON: Assemblywoman Levenberg? ASSEMBLYWOMAN LEVENBERG: Sure. ASSEMBLYWOMAN LEVENBERG: Sure.	15	amendments to the contract as well. So we
MS. SPEAR: Absolutely. CHAIR CONGDON: Hi. ASSEMBLYWOMAN LEVENBERG: Hi. CHAIR CONGDON: Assemblywoman Levenberg? ASSEMBLYWOMAN LEVENBERG: Sure. ASSEMBLYWOMAN LEVENBERG: Sure.	16	appreciate the work that you're doing with Dr.
CHAIR CONGDON: Hi. ASSEMBLYWOMAN LEVENBERG: Hi. CHAIR CONGDON: Assemblywoman Levenberg? ASSEMBLYWOMAN LEVENBERG: Sure. ASSEMBLYWOMAN LEVENBERG: Sure.	17	Lauro. Thank you.
20 ASSEMBLYWOMAN LEVENBERG: Hi. 21 CHAIR CONGDON: Assemblywoman 22 Levenberg? 23 ASSEMBLYWOMAN LEVENBERG: Sure. 24 First, again, I would also just like to echo my	18	MS. SPEAR: Absolutely.
21 CHAIR CONGDON: Assemblywoman 22 Levenberg? 23 ASSEMBLYWOMAN LEVENBERG: Sure. 24 First, again, I would also just like to echo my	19	CHAIR CONGDON: Hi.
22 Levenberg? 23 ASSEMBLYWOMAN LEVENBERG: Sure. 24 First, again, I would also just like to echo my	20	ASSEMBLYWOMAN LEVENBERG: Hi.
23 ASSEMBLYWOMAN LEVENBERG: Sure. 24 First, again, I would also just like to echo my	21	CHAIR CONGDON: Assemblywoman
24 First, again, I would also just like to echo my	22	Levenberg?
	23	ASSEMBLYWOMAN LEVENBERG: Sure.
25 colleague, Senator Harckham's comments. Thank you	24	First, again, I would also just like to echo my
	25	colleague, Senator Harckham's comments. Thank you

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2	so much to all the staff. We know that it's
3	certainly been hard work, taking all the
4	information and sharing it out with the public and
5	pivoting when things change.
6	And, you know, we I believe
7	that, again, as you know, we all know, the
8	governor signed into law, the Save the Hudson
9	legislation, sponsored by Senator Harckham and
10	myself, and that was in fact supported by hundreds
11	of thousands of petition signers, 35
12	municipalities and 5 counties.
13	The intent of that law is to
14	protect the economic vitality of this region,
15	which the public believes was threatened by the
16	possibility of discharging that radiological waste
17	from the decommissioning of Indian Point into our
18	precious river.
19	And again, I know that there are a
20	lot of different different opinions, but
21	ultimately, it was the public that was behind this
22	effort and that drove it because of this great
23	concern.
24	As we move forward with this
25	oversight board, it's critically important that we

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2	do so hand-in-hand with the public.
3	We have great concerns about the
4	impact that the waste from this plant and the
5	process of taking it apart have on the
6	environment, especially in this sensitive area
7	with multiple environmental justice communities
8	potentially impacted.
9	Additionally, we are concerned that
10	the N.R.C. is not maintaining the same level of
11	oversight as it does when nuclear power plant is
12	operational. There are different but no less
13	impactful concerns with decommissioning. So we
14	must maintain the highest level of scrutiny to
15	protect the people of New York and our
16	environment.
17	And as much as we would like this
18	to all be done as quickly as possible, we cannot
19	compromise health and safety to that end. And I
20	believe that the public has spoken. Thank you.
21	CHAIR CONGDON: Thank you. Can
22	can we just check the assemblywoman's mic, please?
23	Okay. Excellent. Thank you. Sounded like it may
24	have cut out.
25	ASSEMBLYWOMAN LEVENBERG:

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2	(unintelligible).
3	CHAIR CONGDON: They got it, okay.
4	MR. KACZMAREK: I can I can
5	respond to that briefly, Tom. There's a
6	they're working on mic levels. There were some
7	issues with some mics on the Zoom, picking up. So
8	that's why you just heard the adjustment everyone.
9	You're not going crazy.
10	ASSEMBLYWOMAN LEVENBERG: Okay.
11	MR. CREIGHTON: I'm Jim Creighton,
12	I'm the the councilman here in the town of
13	Cortland, Deputy Supervisor Dr. Becker sends his
14	apologizes for not being able to be here today.
15	But we do want to make it very clear, very happy
16	that the governor signed the bill that was so
17	critically important for so many people in our
18	community.
19	But that doesn't mean that we are
20	not committed to making sure that this
21	decommissioning is done safely, securely, and
22	promptly. We want, as much as everybody, for this
23	property to be back being productive for the
24	community but being done safely in a way that
25	doesn't impact the rest of our community. There's

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2	no reason to move forward and find out we've got a
3	problem down the road because we didn't quite get
4	it right.
5	We have to get it right. And we're
6	committed to making sure that we get it right now.
7	This pause will allow us the time while other
8	decommissioning activities are happening to make
9	sure that this one particular aspect of
10	decommissioning is handled properly in a way that
11	allows us to move forward as quickly as possible.
12	But we want it safe. We want to be
13	sure that our community is able to thrive for the
14	next hundred years. It's important that we get it
15	right now and not the issue. I know everybody
16	in the room believes in the same thing. So
17	hopefully, we find a great way to go forward.
18	Thank you.
19	CHAIR CONGDON: Any other comments
20	from D.O.B. members? Okay. Hearing none, I'm
21	going to move on to state agency oversight
22	updates. And for that, I believe we're starting
23	with John Sipos.
24	MR. SIPOS: Thanks, Tom. Just
25	checking and making sure that everyone can hear

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2	me. Seems that that is the case. So thank you.
3	Nice to see folks again here from
4	our from our host communities and from Holtec.
5	Appreciate the opportunity to be with you tonight.
6	So I'm going to start off with some
7	review of state oversight, state reporting out
8	from agencies regarding what has occurred in the
9	past several months. First of all, regarding the
10	hotline that D.P.S. has been maintaining, that
11	hotline remains operational. We have I will
12	also say that we have not received any complaints
13	via that in in recent months.
14	If we could go to the next slide.
15	This is I thought it would be
16	good to just review where we are on the continuous
17	monitoring system that is in place. Indian Point
18	is one of five sites in the country. So that's,
19	you know, they're there are roughly 65 sites
20	around the country. It's only one of five that
21	has this continuous monitoring capability.
22	And if we could hop over to the
23	next slide with the map. These are I know it's
24	very difficult to read to read these.
25	But you can see them on the paper

Page 23 9/21/2023 - Indian Point 1 2 handout. These are readings that were taken on 3 September 11th, 2023. And from the continuous 4 monitoring system, the monitoring data reflects a 5 continuation of historical trends, which we have 6 reported and discussed at -- at prior meetings. If we could go to the next slide 8 after that, just a general summary of D.P.S. 9 oversight activities with D.P.S. professional 10 technical staff. We are -- we are very fortunate 11 at D.P.S. to have such a good team of thorough professionals, including our state inspector, who 12 13 is here with us tonight. And D.P.S. staff had been reviewing 14 15 various applications or requests by Holtec, which 16 we have referenced here. The state's agency teams 17 along with, I believe, in the county as well, have 18 been present at the Holtec monthly briefings that 19 have been provided. And Cliff also, that's our 2.0 state inspector, monitors compliance with the 21 joint proposal commitments and also the Public 22 Service Commission order from May of 2021. 23 just an oversight on that -- oversight view of 24 that. 25 And I'd like to move to an issue

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9/21/2023 - Indian Point 1 2 that we have discussed in the past regarding 3 community risk. This is something that is very important to the state. I'm sure you'll -- you've 4 5 heard Tom talking about it, you've heard others 6 talk about it. And that is the movement of spent 7 fuel from the densely packed spent fuel pools to 8 dry cask storage. And we have up here, where we were 10 right in this room, probably about eight months 11 This is from the February 2023 timeframe. 12 And Unit 1 and Unit 2 had been moved the fuel, but 13 there was still fuel to be moved for Indian Point 14 Unit 3. And if we could -- and the pie chart over 15 there on the right, breaks it down as to what had 16 been previously moved and what had not. 17 the bottom, 18 casks or 30% were complete at that 18 time. 19 So if we could go to slide 11. 2.0 This is, in my opinion, a very important slide and 21 it goes to community risk. So you can see that 22 the Unit 3 spent fuel has been moved a great -- a 23 great portion of it, over 80%. And as of today, 24 it is at the marker of the 33rd cask, I believe,

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as of September 21st, 2023. And there was a total

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2	of 1,888 fuel assemblies that had been in the
3	spent fuel pool. I believe, as of today, it's
4	approximately 257. That's 13%. So 87% moved, 13%
5	going. And I just want to take some time and ask
6	us, you know, Senator Harckham talked about us
7	working together and the hard work that has gone
8	in to this whole process over the past few years.
9	This this slide shows progress.
10	It shows a reduction of risk to the host
11	communities in the Tri-State New York City
12	Metropolitan area. I believe Dave Lochbaum may
13	comment on this later on tonight. But, you know,
14	from from the state's perspective, the removal
15	of spent nuclear fuel from densely packed spent
16	fuel pools to dry storage casks materially
17	improves risk and hazard profile for the public.
18	And while I'm at it, I would like
19	to recognize that this was a condition that was
20	negotiated. It was part of the joint proposal.
21	It was part of the Public Service Commission order
22	from May of 2021. And I would like to recognize
23	Holtec's commitment and Holtec's work.
24	We have many people here tonight
25	from Holtec. And I would I would like to

22

23

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9/21/2023 - Indian Point 1 2 recognize that work in the reduction of risk. So 3 thank you very much. 4 If we could go on to slide number, 5 I believe it's 12, some other work that our state inspector has been involved in involving -- which 7 -- which concerns the spent fuel pool at Unit 3, 8 watching the transfer of fuel that we have just 9 been discussing, cleaning the racks. 10 these were the important racks in Unit 2 for spent And as I said before, tracking industrial 11 fuel. safety issues and corrective actions with prior 12 13 N.R.C. citations. 14 If we go to the next slide. 15 is a continuation. This is slide 13. As many of 16 you know, as I'm sure as some veterans recall, we 17 have been discussing the decommissioning rule at the federal level for quite some time, I think 18 19 probably even going back to the task force. 2.0 I see Sandy's knowing smile there. 21 This is something that many of us will remember.

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And a lot of public comments went in last August.

That would be August of 2022. But, you know, Tom

and others have been looking at trends and -- and,

you know, coming -- we're understanding every day

Page 27 1 9/21/2023 - Indian Point 2 that passes, we understand some more and we learn 3 lessons. 4 And so at the end of August three 5 ago, D.P.S. staff wrote a supplemental 6 letter in this rulemaking. And the rulemaking 7 just for those who are following along is 8 NRC-2015-0070. This is a federal decommissioning rulemaking that is occurring. 10 It started in 2014, yes, nine years 11 And based on, you know, the lessons that we have seen, D.P.S. has requested the N.R.C. to 12 13 consider developing a -- an oversight program in 14 the decommissioning arena for systemic ways to 15 cross-compare what is going on at different 16 sites. 17 And just like there's a reactor 18 oversight process and a construction oversight 19 process, D.P.S. is recommending that there be a 2.0 decommissioning and spent fuel storage oversight 21 process, a rigorous standard that would allow 22 comparisons across and among different 23 decommissioning sites. 24 For example, if something were to occur at Indian Point, how does that compare with 25

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2	what is occurring at Vermont Yankee or Pilgrim or
3	San Onofre in California. How do the sites stack
4	up against each other? How do the operators at
5	such decommissioning sites stack up? Are there
6	trends emerging? Are there lessons to be learned
7	by comparing sites?
8	And a decommissioning oversight
9	program would set licensee expectations across the
10	nation, this is not just here, and would keep the
11	public informed. We believe it's an appropriate
12	initiative for the N.R.C. to take and so we have a
13	citation here for our letter.
14	Another aspect we recommended in
15	this letter was to protect the financial trusts
16	that had been established for decommissioning.
17	And again, we're just touching on the high notes
18	here. These are all publicly available and can be
19	viewed.
20	If we can go to slide 14. Also
21	three weeks ago, Tom Congdon sent a letter to
22	N.R.C. Region 1, following up on a report from the
23	N.R.C. Office of the Inspector General.
24	The O.I.G. or the Inspector General
25	at N.R.C. was looking at how are how, excuse

25

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2	me, how does Region 2 N.R.C. Region 2 down in
3	the southeastern part of the United States, how
4	did that region approach inspections of dry cask
5	storage facilities.
6	And it turned out, according to the
7	O.I.G. report, that there were unqualified
8	inspectors and that the inspection process used
9	less than 20 percent of the total time allocated
10	for inspection. This occurred over an eight-year
11	period.
12	And again, it's Region 2, Southeast
13	United States. It's not region 1; it's not where
14	we are located.
15	But Tom asked a number of questions
16	to the N.R.C. for follow-up regarding inspection
17	reports for sites that are located in New York.
18	And, you know, made recommendations there for
19	additional transparency. And we are you know,
20	we are interested in seeing the N.R.C.'s response
21	to that. And we may be discussing that some more
22	later on tonight.
23	Lastly, if we could go to the next
24	slide, in I just want to make folks aware and

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Tom alluded to this in his opening remarks.

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2	Earlier this week, the N.R.C. made publicly
3	available an inspection report for its inspection
4	of a dry cask manufacturing facility located in
5	Camden, New Jersey. Again, it's not Indian Point;
6	it's the manufacturing facility in New Jersey.
7	And it's important to recognize
8	that the N.R.C. concluded that there was no
9	immediate safety concern. However, N.R.C. did
10	note and describe three violations that were
11	associated with change in design to the structure
12	of HI-STORM casks. And I know that we will be,
13	you know, hearing some more about that, possibly,
14	from Holtec, possibly from Dave Lochbaum. And
15	that's something that's it's very recent. I
16	mean, it's only been public for the last, you
17	know, three days. It's it's under the review.
18	And I think, you know, I will just
19	other I guess the other only other thing
20	I will say about that is, you know, our New York
21	State technical staff, so Cliff and his colleague,
22	Bridget Frymire, they are reviewing the federal
23	inspection reports very carefully. And they will
24	be engaging with the N.R.C. to determine, you
25	know, what the impacts are for for the New York

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2	sites.
3	And again, the last three letters
4	that we have discussed are all linked here, so
5	folks can can look at it.
6	And I think with that, I am going
7	to turn it over to the Department of Labor.
8	MS. ADLER: Hi.
9	MR. SIPOS: Thank you very much.
10	CHAIR CONGDON: Thank you, John.
11	MS. ADLER: Hi. So on can you
12	hear me? On July 14th, the New York State D.O.L.
13	Asbestos Control Bureau was notified of a
14	localized workforce exposure incident in Unit 2.
15	After an investigation, two notices of violations
16	were issued by New York State's Asbestos Control
17	Bureau on August 11th, 2023.
18	The first violation is Champion
19	Specialty Service, L.L.C., 56-3.2.A certification
20	and training required. Uncertified asbestos
21	employee engaged in cutting a pipe that contained
22	asbestos insulation. This project should have
23	been treated as a minor asbestos project in
24	accordance with New York State Industrial Code
25	Rule 56, including proper training and

Page 32 1 9/21/2023 - Indian Point 2 certification in asbestos handling. Since the incident, corrective actions have been taken by Champion Specialty Service, L.L.C., including getting employees asbestos training and certification. The second violation, Holtec Decommissioning International, L.L.C. 56-1.4.E, multi-employer worksites. A work order was given 10 to uncertified asbestos workers to cut a pipe that 11 contained asbestos and insulation in Unit 2. 12 The disturbance -- the disturbed 13 asbestos appeared to be too -- appears to be been properly addressed, prior to the New York State's 14 D.O.L. Asbestos Control Bureau's involvement. 15 16 the involved parties have taken steps to prevent 17 similar incidents from happening in the future. Assessment of any civil penalties is now under 18 consideration. 19 2.0 The second D.O.L. update is 21 employment and labor relations. On August 16th, 22 2023, a Holtec International career fair that was 23 just for Holtec employees took place onsite, 22 24 companies were represented and 60 employees 25 attended.

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2	Those that couldn't attend, they
3	are continuously working with our our labor
4	relations individuals to help them get new
5	positions. And we've continued to remain in
6	contact with Holtec's office of human resources.
7	Additionally, a WARN postponement
8	was received on August 18th, indicating the
9	separation of two employees, originally planned
10	for February 2023, and it's been postponed to
11	December 29th, 2023. The reason for this
12	postponement is Holtec has not received final
13	approval from N.R.C. for Indian Point's
14	permanently defuel emergency plan.
15	We continue to send monthly virtual
16	workshop flyers, as well as in person.
17	Westchester has a upcoming career fair in October,
18	as well as a multilingual career fair happening
19	next week. And we share these with the employees
20	regularly.
21	CHAIR CONGDON: Thank you, Rachel.
22	I'd like to turn it over to Kelly
23	Turturro for an update from D.E.C.
24	MS. TURTURRO: Good evening,
25	everyone. Nice to see you this evening.

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2	A few different aspects of D.E.C.'s
3	jurisdiction. First, I'd like to talk about the
4	requirements under the consent order that D.E.C.
5	has with Holtec.
6	Our latest update update there
7	is we still continue to work through the remedial
8	investigation work plan LaFarge former Spectra
9	construction area. So Holtec submitted
10	information to D.E.C. in mid-July. And our D.E.C.
11	technical staff is is reviewing that additional
12	submission.
13	Next slide, please, Tom. In terms
14	of the SPDES permit, Holtec has submitted some
15	additional information from our prior request to
16	the company. We are expecting the remainder of
17	the information by the end of this month. From
18	there, D.E.C. will review that information and
19	determine whether or not the application is
20	complete.
21	So once the application the
22	SPDES permit application is complete, D.E.C. will
23	notice a draft SPDES permit for public comment.
24	And I will keep everybody up to date on when that
25	might happen.

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2	And then, finally, we continue our
3	oversight under the major oil storage facility
4	license to oversee the closure and assessment of
5	all tanks on the property. Thank you, Tom.
6	CHAIR CONGDON: Thank you very
7	much.
8	I'll open the floor to discussion.
9	I saw Dave Lochbaum's hand was up. Dave?
10	MR. Lochbaum: Yeah. This is Dave
11	Lochbaum. I just wanted to comment about John
12	Sipos' point about the letter that was sent in
13	August 31st for the decommissioning oversight
14	process.
15	I was heavily involved in the
16	reactor oversight process that the N.R.C.
17	developed in the year 2000. It's been a great
18	tool for safety. Before that process was
19	developed, there were 48 plants that had to shut
20	down for at least a year to restore safety levels
21	to the minimum required. Since that process was
22	developed, only two reactors have fallen into that
23	regulatory doghouse, if you will.
24	The reason is I believe is
25	because the the R.O.P. more cleanly defines the

Page 36 9/21/2023 - Indian Point 1 2 N.R.C.'s performance expectations, which makes it 3 easier for the plant owners to meet or exceed 4 those levels, and also easier for N.R.C.'s 5 inspectors to see if they're falling short. In addition, it's a great 7 communications tool for the public for putting 8 findings at plant X in context with the broader 9 universe. So I think it's been a win-win. 10 hope the N.R.C. heeds the state's recommendation to extend it to decommissioning, as well. Thank 11 12 you. 13 CHAIR CONGDON: Thank you, Dave. 14 You know, John and I wear other 15 hats at the Public Service Commission. And part 16 of our job is to do enforcement work with respect 17 to our oversight of utilities. And just as a 18 simplistic way of kind of explaining this letter, 19 in effect, what we're suggesting to the N.R.C. is 2.0 that they look for trends of non-compliance and 21 increase enforcement relative to those trends. 22 So to -- to put a finer point on --23 on the current practice, they've -- they've seen a 24 number of violations at Indian Point, almost all 25 of them, I think, or all of them have been

	,,,,
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2	identified as of low safety significance.
3	And so there might be a view that
4	there's nothing wrong here. The violations have
5	been insignificant and everything is fine. But I
6	think that what we're suggesting to the N.R.C. is
7	that they evaluate whether there are trends of
8	non-compliance here that cause some greater
9	concerns about the overall operation and take that
10	into account as part of their enforcement.
11	Any other comments in the
12	discussion here? Okay. I'll move to the next
13	item which is presentation by our independent
14	technical expert, David Lochbaum. Dave I'm
15	sorry. There was a question before you start,
16	Dave.
17	Victoria?
18	MS. LEUNG: Yeah.
19	CHAIR CONGDON: Speak directly into
20	the mic, please. Sorry, Victoria.
21	MS. LEUNG: Hello.
22	CHAIR CONGDON: There we go.
23	MR. KACZMAREK: And just a
24	reminder, please Tom Kaczmarek, please announce
25	your name before you speak. Thank you.

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2	MS. LEUNG: Victoria Leung,
3	Riverkeeper. Thank you so much for the
4	presentation. We appreciate the transparency from
5	the state. One thing I did want to raise and get
6	on the record. We had heard from community
7	members concerns about heaters at Pilgrim. And
8	there were questions about whether or not there
9	were heaters in the spent fuel pool at Indian
10	Point.
11	And I understand there was a
12	response given by email, but I want to just put on
13	the record so community members have that
14	transparency, whether or not there have been
15	heaters installed in the spent fuel pool at Indian
16	Point or any signs that evaporate tritiated there
17	might be attempts to evaporate the water.
18	CHAIR CONGDON: Thank you,
19	Victoria.
20	Yes, we did respond and and
21	stated that the state confirmed there are no
22	heating elements brought into the Indian Point
23	site. And I can let Rich Burroni speak for
24	himself.
25	MR. BURRONI: Yeah, that's correct.

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2	We don't have heaters in any of the spent fuel
3	pools.
4	CHAIR CONGDON: Thank you.
5	MS. LEUNG: Thank you.
6	CHAIR CONGDON: Okay. Dave
7	Lochbaum?
8	MR. LOCHBAUM: Yeah, this is Dave
9	Lochbaum. I want to talk a little bit about an
10	independent spent fuel storage installation or
11	onsite dry storage of spent fuel.
12	Slide two, just for some
13	terminology that I'll use throughout this
14	presentation, when I talk about a canister, it's
15	the sealed metal can or canister that holds the
16	spent fuel assemblies. The canister is then
17	placed inside a concrete and steel cask that's
18	provided for protection.
19	The cask provides radiation
20	shielding for the workers, the radiation emitted
21	from the canister, and it also protects the
22	canister if any external threats like tornado-
23	propelled missiles or other challenges.
24	CHAIR CONGDON: Dave, I'm sorry to
25	interrupt you.

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2	MR. LOCHBAUM: Sure.
3	CHAIR CONGDON: Can I ask you to
4	pause for a second? We're getting a bit of an
5	echo and it's it's a bit of a challenge for
6	those of us in the room to hear your presentation.
7	I want to give our A.V. team a chance to see if
8	they can make some corrective actions.
9	MR. LOCHBAUM: Is there anything I
10	need to do?
11	CHAIR CONGDON: Just stand by,
12	Dave, for a second.
13	MR. LOCHBAUM: Okay.
14	CHAIR CONGDON: Dave, could you say
15	a few words?
16	MR. LOCHBAUM: Yeah, this is Dave
17	Lochbaum. I'm not hearing not hearing an echo
18	here, but I guess it doesn't matter if
19	CHAIR CONGDON: Yeah, we're getting
20	we're still getting the echo. Just stand by,
21	please.
22	MR. LOCHBAUM: Okay.
23	CHAIR CONGDON: Say a few words,
24	please.
25	MR. LOCHBAUM: Okay. This is Dave

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2	Lochbaum from Chattanooga, Tennessee.
3	CHAIR CONGDON: Now, it's just a
4	volume issue. Speak up.
5	MR. LOCHBAUM: Okay. This is Dave
6	Lochbaum from Chattanooga, Tennessee.
7	CHAIR CONGDON: Stand by. We're
8	almost there. Keep talking.
9	MR. LOCHBAUM: This is Dave
10	Lochbaum. I'm still from Chattanooga, Tennessee.
11	So are we good now?
12	CHAIR CONGDON: Yes, we're good.
13	Thank you so much.
14	MR. LOCHBAUM: Sure. Slide two,
15	provide some terminology now of using throughout
16	this presentation. The canister is what holds the
17	spent fuel assemblies. It's in the center of the
18	diagram on the left. It's it's a sealed cask
19	or canister. It's placed with inside a concrete
20	and steel cask that provides protection radiation
21	shielding for workers who go near the the
22	assemblies, and also provides protection for the
23	canister from external threats like tornado-
24	propelled missiles and whatnot.
25	So I'm using those terminologies

Page 42 1 9/21/2023 Indian Point 2 throughout this presentation. 3 Slide three please. As John 4 indicated in February of this year, the N.R.C.'s 5 Office of the Inspector General issued an audit report on its investigation into allegations it received from an N.R.C. worker about practices performed on dry cask storage oversight by N.R.C. Region 2, which is the southeast United States. 10 Slide four, please. The inspector 11 general found that Region 2 was using unqualified 12 inspectors for doing these dry cask inspections, 13 and that the unqualified inspectors were only 14 providing a very small subset of the mandated 15 inspection scope. 16 Inspection procedures call for 17 about a 100 hours of inspection effort, looking at 18 records and whatnot. And the unqualified 19 inspectors were spending less than 20% of that 2.0 time over the years from 2012 to 2020. 21 So the unqualified inspectors were 22 doing basically walk-bys. Sometimes the inspector 23 general indicated that the inspectors didn't even 24 enter the fence. They walked around the outside 25 of the fence to look at the cask inside.

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2	probably not adequate inspections.
3	Once I saw the N.R.C. inspection
4	report, I looked at the N.R.C.'s oversight of dry
5	storage at Indian Point. I found 14 publicly
6	available N.R.C. inspection reports for dry
7	storage at Indian Point between the years 2010 and
8	2023. The reports documented the N.R.C.'s
9	observation of several canister loadings during
10	that period.
11	What the inspections report did not
12	reveal was how many inspection hours were devoted
13	to those inspections. And while the names of the
14	N.R.C. inspectors were listed, their
15	qualifications were not provided. So I had no way
16	of determining whether they were fully qualified
17	or not.
18	However, the inspection reports
19	indicated fairly robust inspections. I saw no
20	reason to believe that they were getting the
21	Region 2 walk-by regulations. It looked like
22	they're pretty robust inspections of what was
23	going on at Indian Point.
24	So I took some comfort in it didn't
25	look like Region 1 was afflicted with the Region 2

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2	malaise. Next slide, please.
3	And as John indicated, on August
4	31st of this year, Tom Congdon sent a letter to
5	N.R.C. Region 1, asking about the N.R.C. inspector
6	general report, was Region 1 or more
7	specifically, were the inspections at Indian Point
8	done by qualified inspectors doing the full scope
9	inspections.
10	And as John indicated John Sipos
11	indicated, the N.R.C. hadn't responded that letter
12	yet, but probably will by the D.O.B. meeting in
13	December.
14	Next slide, please. The reason it
15	matters is illustrated by this curve. It's called
16	a bathtub curve. And it shows the chance of
17	failure over a lifetime of a product. It applies
18	to people; it applies to products; it applies to
19	nuclear power plants. The left-hand portion of
20	the curve is the break-in phase or the infant
21	mortality phase, where assembling errors, material
22	imperfections, or user mistakes cause the failure
23	rate to be initially high.
24	The right-hand portion of the curve
25	is the wear out phase, where aging degradation

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2	causes materials to wear out, wear and tear causes
3	the failure rate to, once again, climb. At no
4	point is the risk zero. But at the two endpoints
5	of the bathtub are where the risk is the highest.
6	Next slide, please. This the
7	left-hand portion of the curve is a cut and paste
8	from the inspector general's report from February
9	of this year. Once the N.R.C. Region 2 started
10	using qualified inspectors doing full-scope
11	inspections, they found plenty of problems with
12	dry cask loadings in Region 2.
13	These were all problems during the
14	break-in portion of the curve. A couple of them
15	are related to Indian Point where loadings, heavy
16	loads, the loaded cask weigh a hundred tons. You
17	pass 100 tons over buried equipment, natural gas
18	pipelines or whatnot, and what's underground may
19	not survive the 100 tons passing overhead. Two of
20	the failures were involved where they didn't
21	properly manage that risk.
22	So it's it shows the importance
23	of using qualified inspectors doing full-scope
24	inspections. It's not real clear why Region 2
25	took shortcuts over the last decade.

Page 46 1 9/21/2023 - Indian Point 2 Next slide, please. I was looking at 3 what happens on the wear-out phase of the curve because all the canisters that have been loaded to 5 date are heading towards, if not already in, the wear-out portion of the bathtub curve. This is a snapshot of a report from the Electric Power Research Institute, which is a research institute funded by the nuclear industry. 10 They've identified chloride-induced stress 11 corrosion cracking, as the primary wear-out 12 degradation method for dry cask storage. 13 agree with that. So the next question was how is 14 15 risk being managed. Next slide, please. 16 N.R.C.'s managing aging processes and storage 17 they love acronyms, calls for examinations 18 five years. 19 Typically, they will pick one, perhaps two cask or canisters to be looked at over and 2.0 21 again, every five years, rather than looking 22 more canisters than that. By looking at the same 23 ones over and over again, that facilitates 24 strengthening of degradation results. So you can 25 see how aging is progressing from year 5 to year

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2	10 to year 15.
3	Next slide, please. Most
4	vulnerable, in quotes, it's important if you guess
5	right. If you pick the most vulnerable canisters,
6	then that method works really good. If you don't
7	guess right and don't pick the right canisters,
8	then looking at the one or two canisters and
9	ignoring the rest may not tell you as much as you
10	want to know.
11	As far as the factors that go into
12	picking the two most vulnerable one or two most
13	vulnerable canisters, it's how close they are to
14	sea spray, particularly those off ocean coasts,
15	what type of metal was used in the canister, and
16	what's the heat load of the spent fuel assemblies
17	inside the canisters. Those are the factors
18	because it primarily determined most vulnerable
19	per the industry.
20	Next slide. The EPRI report,
21	Electric Power Research Institute report, also
22	identifies that another factor that can cause
23	accelerated degradation over time is heavy
24	grounding or mechanical damage, i.e. gouges on the
25	outside surface of the canister.

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2	That provides a crevice or a point
3	starting point for cracking to then propagate
4	from that initial weakness.
5	Next slide, please. In the last
6	few years, I had to replace my car windshield,
7	because a stone chip it, small chip in the
8	windshield which then propagated across the
9	windshield and I had replaced the windshield.
10	Similarly, if you have a crevice or
11	crack in the outside surface of the canister, that
12	provides a starting point for crack to then
13	propagate larger and through wall perhaps
14	through wall of the canisters metal walls.
15	Next slide. After a near miss in
16	August of 2017, at San Onofre in California,
17	Holtec prepared these slides and can see that
18	basically scratches or gouges or imperfections in
19	the outer surface of the canisters happen
20	everywhere and are commonplace.
21	They're not isolated incidences.
22	They occur here, there and everywhere, to quote a
23	Beatles song.
24	Next slide. That same Holtec
25	presentation said, it doesn't really matter

Page 49 9/21/2023 - Indian Point 1 2 because, quote, the scratches are, quote, are not relevant to safety determination, end quote. 3 4 And I guess I disagree with that 5 notion, because EPRI and others have indicated that they are a factor in aging degradation -- the 6 7 primary aging degradation mechanisms. So more 8 scratches you have, the more likely you are to invite this degradation mechanism to your 10 facility. Next slide, please. And I'd like 11 12 to almost wrap up by referring back to the bathtub 13 The reason it's important to get this curve. 14 right is because failure is high initially in life 15 during the break-in phase and again rises in the 16 wear-out phase towards the end of life. 17 The N.R.C. needs to perform full 18 scope inspections using qualified inspectors, not 19 just whoever's available. In addition, the 2.0 periodic examinations of dry cask storage systems 21 must be based on science, rather than convenience 22 if we have any hope of getting it right. 23 My last slide, next slide, the last 24 John Sipos mentioned earlier that the 25 state's agreement with Holtec accelerated the

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9/21/2023 - Indian Point 1 2 transfers from spent fuel pools into the pads. 3 This chart from the N.R.C. shows the risk reduction that John spoke to. The solid line is 4 5 the former practice where you left the spent fuel pools filled until the nuclear plant's shut down. 6 7 The dotted line shows the risk reduction you get by transferring the fuel from the pools to the pads. 10 The risk goes down dramatically, 11 both from a security standpoint and from a safety standpoint. It doesn't go to zero, but it's much 12 13 less, and the state deserves a lot of credit, and 14 Holtec, for accelerating the transfers and 15 reducing that threat profile. 16 One last point about the cracking 17 of dry storage canisters. If a through-wall crack 18 were to form in a canister wall, it's not like 19 popping a balloon. All the radioactive contents 2.0 of the canister won't be discharged into the 21 environment. 22 Very little to no radiation will 23 escape through that crack, but that crack could --24 could reduce the structural integrity when that 25 canister is finally lifted from the cask and

Page 51 1 9/21/2023 - Indian Point 2 transported off-site for disposal or as interim 3 storage or whatever the next phase is. 4 So it's important that we don't 5 have through-wall cracks that impair the 6 canister's integrity, reduce its structural 7 strength, and leave it prone to failures once it's handled down in a road -- down the road in the future. 10 And I'd be glad to Thank you. 11 answer any questions if I can. 12 CHAIR CONGDON: Thank you, Dave. 13 A shout out of appreciation for Dave's work. 14 Shortly after the N.R.C. I.G. report came out, I 15 get an -- in my inbox a summary of the findings 16 along from our own staff was Dave Lochbaum, you 17 know, giving his points of view on -- on the -- the 18 significance of the findings from the I.G. 19 And, you know, he then immediately 2.0 took it upon himself to dive into the records at 21 Indian Point to -- to evaluate the inspections 22 that occurred there so that he could provide the 23 briefing to us in tonight's presentation. 24 25 So just Dave, thank you for just

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2	continuing to have, you know, the initiative to
3	bring issues to our attention to try to
4	consolidate into a digestible form complex
5	information that that exists throughout the
6	N.R.C. docket.
7	We can't thank you enough for your
8	dedication and your volunteerism to this board.
9	MR. LOCHBAUM: You're very welcome.
10	CHAIR CONGDON: Any questions for
11	Dave? Yes, Susan.
12	MS. SPEAR: Thank you. Susan
13	Spear. I also want to echo what Tom Congdon just
14	said, thanking Dave Lochbaum for this excellent
15	information.
16	I wanted to ask do you think the
17	N.R.C. inspection process, if done appropriately,
18	Region 2 notwithstanding, would be sufficient to
19	identify some of these cracks that you speak about
20	in your report?
21	MR. LOCHBAUM: I have some doubts
22	about that because it really depends on how
23	effective selecting the two most vulnerable
24	canisters are. The one silver lining in that is
25	that the inspections are being done across the

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2	nation. And as more and more inspections are
3	done, we'll have better information about what the
4	aging mechanisms are and what are the most
5	vulnerable canisters.
6	And to the N.R.C.'s credit, they're
7	very good at adjusting the inspection regimes of
8	what they expect owners to do based on emerging
9	information. So it's not like it's fixed from two
10	years ago or five years ago. As new information
11	comes forward, if there are shortcomings, the
12	N.R.C. will require those gaps to be addressed.
13	So that that gives me some
14	comfort that why the selection of the most
15	vulnerable is a little bit suspect right now. If
16	it's wrong in the future, it will be identified
17	and fixed in time.
18	MS. SPEAR: Thank you.
19	CHAIR CONGDON: Dave, do you want
20	to speak to the challenge of expanding beyond the
21	most vulnerable casks for inspection, that, you
22	know, there's there's some countervailing
23	arguments for why it might seem challenging to say
24	just inspect all on the site?
25	MR. LOCHBAUM: That's a good point.

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2	I've looked at how inspections were done at other
3	sites. And there is a radiation dose to the
4	workers that are performing the inspections. What
5	happens is inspection take equipment is lowered
6	into the space between the cask and the canister
7	to look at the outside surface of the canister.
8	And the workers that are operating
9	that equipment do receive a radiation dose. It's
10	not lethal, but the lowest reasonably achievable
11	standard for minimizing dose to the public and the
12	workers means that you don't want to do
13	inspections unless you really have to do them.
14	So I think there's a balance there.
15	I think we could do a little bit better, but I
16	I can understand why, particularly, if I was one
17	of the workers, I wouldn't want to inspect every
18	canister, because I'd pick up a dose that I would
19	like to avoid.
20	CHAIR CONGDON: Thank you. Other
21	questions or observations?
22	MR. CREIGHTON: Brief question. On
23	slide 17, you provided the risk profile on a
24	number stages 1 through 5. Can you tell us which
25	stage you consider?

Page 55 9/21/2023 - Indian Point 1 2 MR. LOCHBAUM: Yes, stage 5 is a 3 plant that is permanently shut down. They're not 4 adding any more spent fuel to the pool. 5 both the dotted line case, the accelerated 6 transfer, or the solid line case, the former 7 practice, you're unloading the spent fuel pool 8 after the permanent -- reactor is permanently shut down as Indian Point has currently -- as a few 10 years ago. 11 MR. CREIGHTON: Stage 5? 12 MR. LOCHBAUM: Yes, stage 5 is 13 permanent shutdown -- reactor's permanently shut 14 down, you're unloading the spent fuel pool onto 15 the pad. 16 CHAIR CONGDON: Yeah, and from John 17 Sipos' earlier presentation, that that slide 18 showing where we are with the loading of the dry 19 casks, yeah. Unit 1, Unit 2 is a 100% complete 2.0 and Unit 3 is at 86%. So that does put us 21 squarely in stage 5. 22 MR. LOCHBAUM: And one of the 23 reasons, the paragraph right underneath the chart 24 kind of explains why the risk is reduced. 25 canister at Indian Point holds 32 fuel assemblies.

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2	The reactor cores held 193 fuel assemblies, each.
3	And the spent fuel pool held several hundred
4	canisters. So the excuse me held several
5	hundred fuel assemblies.
6	The higher amount of fuel
7	assemblies meant there was more likelihood to have
8	an accident.
9	And if you had an accident, there
10	was more radioactive material to be released.
11	That's why the pool was a much higher risk than a
12	dry storage.
13	CHAIR CONGDON: Thank you, Dave.
14	Yes, Victoria?
15	MS. LEUNG: I think this goes a bit
16	to So with the sorry, Victoria Leung,
17	Riverkeeper. With scratches being so commonplace,
18	from your technical perspective, do you think it
19	is possible to truly identify what the most
20	vulnerable cask is with the scratches being a
21	factor to that and so many of the canisters
22	possibly having these scratches?
23	MR. LOCHBAUM: I think so. I think
24	if you examine a canister before it's put into a
25	cask to see what its surface look like, not all

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9/21/2023 - Indian Point 1 2 the scratches or gouges will be of equal depth. 3 So you want to identify the largest scratches, the 4 The ones that are very, you deepest scratches. 5 know, you can detect them, but they're not very 6 deep, those would be a lesser priority than the 7 ones that are deeper and longer. 8 So I think you can characterize the 9 canisters if you inspect them before you put them 10 in the canister, and then look at a couple of the 11 worst gouged or worst scratched canisters 12 periodically to see if they're degrading. 13 If they are degrading, you might 14 want to expand a look at some of the other 15 scratched canisters. If they're not degrading, 16 then you may say I picked the worst one and it's -17 - it's -- it's surviving well enough that I don't 18 need to expand my sample scope. But to ignore the 19 scratched surfaces is not the right answer. 2.0 A follow-up question. MS. LEUNG: 21 Do you know if the canisters have been inspected 22 in that way at Indian Point? Are we able to know 23 which canisters have the deepest scratches, the 24 most significant gouges at this point because a 25 number of them have already been loaded?

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2	MR. LOCHBAUM: Yeah, my
3	understanding is that they do not look at the
4	outer surfaces of the canisters. And that's not
5	just at Indian Point; that's more nationwide.
6	Even after the near miss in 2017 at San Onofre,
7	they're they they still don't inspect the
8	outside surfaces.
9	CHAIR CONGDON: Richard or Pat, do
10	you guys want to address the identification of the
11	most vulnerable?
12	MR. BURRONI: Yeah, I'll follow up.
13	I know, we have the advantage of two abandoned
14	turbine decks. So we do store our M.P.C.s on the
15	turbine decks. You know, whether we do a full-
16	scale inspection on that, I'll I'll follow up
17	and find out. But if there was any drastic
18	scratches or gouges, we would pick that up, at
19	least with the M.P.C.s staged on the turbine deck
20	itself.
21	MR. LOCHBAUM: This is Dave. One
22	follow-up. I recently had a Zoom call with the
23	folks at San Onofre in California. And one of the
24	questions I asked them is that before you
25	transport a canister offsite, you inspect it

Page 59 9/21/2023 - Indian Point 1 2 before then. And they said for the most cases, 3 There's a few exceptions to that, but they do. 4 even if you're not looking at it throughout the 5 lifetime of storage on-site, it does look like the canisters are inspected before they'd be loaded 7 and transported off-site, which is good. be better, but that's better than nothing. ASSEMBLYWOMAN LEVENBERG: I have a 10 question. 11 CHAIR CONGDON: Thank you. 12 Yes, Assemblywoman? 13 ASSEMBLYWOMAN LEVENBERG: So can 14 you just clarify again, Dave, because I'm not a 15 100% clear I understand? So right now -- and 16 anybody else can also weigh in here. 17 canisters themselves have already been loaded into 18 dry casks. So there's not an opportunity now to 19 inspect them until such time as they would be 2.0 transported? Or are the dry casks going to be 21 opened up and they're inspected periodically? 22 - I think maybe I'm just not 100% understanding 23 what the process is. 24 MR. LOCHBAUM: This is David 25 That's a good question. Every five Lochbaum.

surface of the canister.

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years, workers can inspect the outer surfaces of the most vulnerable canisters. They basically essentially drop a borescope in that space between the canister and the cask to look at the outside

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In addition, a few canisters have been opened up after storage to look at the condition of the fuel assemblies inside. not done routinely, but it has been done at some of the plants that were -- some of the canisters that were loaded back in 1986, the first ones that were loaded. So some canisters are opened to look at the fuel inside. And periodically every five years, canisters at every site are looked at for the outer surfaces of the canisters.

ASSEMBLYWOMAN LEVENBERG: But right -- right now, your particular concern is highlighting the -- the -- what's been stored that is now ready to be moved, not necessarily what's been more recent -- most recently stored, in other words?

MR. LOCHBAUM: It's a little both. I'm a little suspect about how they pick the most vulnerable one or two canisters that are looked

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2	at. I don't think that's scientifically robust.
3	In addition, it's before a
4	canister is loaded and transported off-site, it's
5	imperative that it be inspected to make sure that
6	it's in good condition. It hasn't deteriorated
7	over the years of on-site storage because it it
8	could fail in route.
9	CHAIR CONGDON: But absent any
10	plans in the foreseeable future for moving these
11	casks, what we're talking about really is
12	inspection at the dry pad at Indian Point. So for
13	this five-year routine, looking at the most
14	vulnerable, as the proxies for the condition of
15	all the others that are on the dry pad.
16	ASSEMBLYWOMAN LEVENBERG: But we
17	but we just established that they haven't really
18	been inspected for cracks and scratches before
19	they were loaded in. So how would you identify
20	which were the most vulnerable?
21	MR. O'BRIEN: So Pat O'Brien,
22	Director of Government Affairs Communications,
23	Holtec. These casks, when they come to site, go
24	through quality control. They are checked.
25	ASSEMBLYWOMAN LEVENBERG: The

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2	casks?
3	MR. O'BRIEN: Yes.
4	ASSEMBLYWOMAN LEVENBERG: Not the
5	canisters. We're talking about two different
6	things; right?
7	MR. O'BRIEN: The the
8	ASSEMBLYWOMAN LEVENBERG: The
9	canisters and the cask; right?
10	MR. O'BRIEN: Canisters inside and
11	the casks external.
12	ASSEMBLYWOMAN LEVENBERG: Say it
13	again?
14	MR. O'BRIEN: Both casks and
15	canisters come from our factory in Camden. They
16	have been quality controlled to get to the site,
17	and they have been looked at and inspected. If
18	there's issues there ahead of time, we wouldn't
19	accept them to the site. Well, we actually really
20	wouldn't let them leave the factory. So yes,
21	they've been looked at.
22	Once they are then loaded, they go
23	inside the cask, they go out to the pad. At 20
24	years, you start the aging management process that
25	Dave's talking about, where you're opening up the

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2	cask to look at the M.P.C. You're doing that
3	every five years, consistently, to look for
4	trends.
5	So yes, they have been looked at
6	prior, before they're loaded with fuel. Once they
7	go to the cask, at that 20-year point, for
8	loading. So when the
9	ASSEMBLYWOMAN LEVENBERG: Are they
10	looked at between when after they're loaded
11	with the fuel, before they're loaded into the
12	cask? In other words, couldn't the scratching
13	happen at that point from the loading of the fuel
14	into the canister?
15	MR. O'BRIEN: Not based on how you
16	
17	MR. BURRONI: Load.
18	MR. O'BRIEN: load load these
19	these are loaded into the spent fuel pool in a
20	
21	MR. BURRONI: HI-TRAC.
22	MR. O'BRIEN: HI-TRAC, goes into
23	the pool, gets loaded, comes out. It's dried,
24	robotically welded, and then moved and downloaded
25	very slowly, very methodically into the overpacks,

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2	and then the overpacks are transported up.
3	So that's a process that's very
4	controlled, with a lot of eyes on what happens.
5	That's why these take about a week a cask to load.
6	It's start to finish moving these things. This is
7	not something that happens quickly. So you can
8	identify any issues along the way.
9	MR. LOCHBAUM: This is David
10	Lochbaum. I I would I would disagree with
11	that because the scratching on the canisters at
12	San Onofre occurred during the the loading and
13	transfers. It wasn't
14	MR. O'BRIEN: San Onofre's this
15	is a different design though, David. It's a
16	it's a UMAX system. It is not the systems we have
17	at Indian Point.
18	MR. LOCHBAUM: I understand that.
19	But you're moving two pieces with very small
20	tolerances. It's pretty easy to get out of whack
21	as you did at San Onofre. So that sounds great,
22	but I'm not buying it.
23	MR. SIPOS: I'd just like to ask, I
24	I'd just actually just like to add for
25	clarification, so when we're hearing this acronym,

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2	M.P.C
3	MR. O'BRIEN: Multiple
4	multipurpose canister.
5	MR. SIPOS: Right. And that is an
6	alternative way of referring to a canister, and
7	the canister, the M.P.C canister, then goes into
8	the cask.
9	MR. O'BRIEN: Correct.
10	MR. SIPOS: Just so we're all clear
11	on our terms.
12	MR. O'BRIEN: Correct. And it's
13	multipurpose because the theory is you can then
14	take that out of the overpack and put that into a
15	transportation cask to be moved to an interim or
16	permanent repository.
17	ASSEMBLYWOMAN LEVENBERG: Okay. So
18	so I'm sorry, just to continue. First of all,
19	I do want to thank Dave for his continued
20	vigilance and looking and helping us all evaluate
21	the processes. I think that's really important,
22	but it does also, you know, just continue to prove
23	our concern about the N.R.C.'s oversight that is
24	not the be all and end all, and that we need to
25	continue to make sure, again, that there are

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9/21/2023 - Indian Point 1 2 additional processes in place that satisfy our 3 belief that -- that as we proceed with the process, that we're doing it in a safe manner. 4 5 I don't think we can just rely on 6 the N.R.C., as we have not been doing, and I 7 appreciate the letters to have that continued 8 vigilance. And not only -- we're seeing, obviously, you know, as soon as the plants stop 10 operating, that we don't have that same level of 11 oversight. And we need it. 12 So you know, I'm grateful, but I'm 13 also concerned by what Dave brought up because it 14 seems like we don't even, at this point, have a 15 process in place to actually inspect the canisters 16 before they get loaded in to make sure that we 17 know which ones are the most likely to decay or 18 whatever would happen to something with a scratch 19 or a dent or whatever. 2.0 And I guess the other question is, 21 I'm not a 100% sure. I know that you said, Dave, 22 we wouldn't really have to be concerned about 23 So what is it exactly that happens? leaks. 24 is the concern besides the transit portion that we 25 would be most concerned about if canisters fail?

Page 67 9/21/2023 - Indian Point 1 2 This is David MR. LOCHBAUM: 3 The -- the original canisters were Lochbaum. 4 designed for a number of problems or postulated 5 accidents, like dropping a canister as it's being lowered from the refueling floor, 18 to 30 feet. 7 It depends on the canister and so on. But those studies, which are backed up by actually dropping canisters to see how they 10 survive, are based on the canister being in pristine condition. If you have a through-wall 11 crack and were to drop a canister or have some 12 13 other kind of hailing accident, its structural 14 integrity may not keep the fuel inside as the 15 original studies have shown. 16 So that's why guarding against 17 cracks is important to make sure that the 18 radioactivity stays on the inside and does not get out into the environment. 19 2.0 ASSEMBLYWOMAN LEVENBERG: 21 again, it sounds to me like it's more of a concern 22 when you transport or move those canisters out of 23 the dry cask. So in other words, if they're just 24 maintained and stayed in dry cask for millions of 25 years, it wouldn't make much of a difference to

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2	have cracks and scratches. Is that true or?
3	MR. LOCHBAUM: This is Dave
4	Lochbaum. That's correct. That's the primary
5	threat is when you move. But if the structural
6	integrity is impaired, it it may not survive
7	that movement. In a static condition, it's
8	cracking is not nice, but it's not as naughty.
9	ASSEMBLYWOMAN LEVENBERG: Thanks.
10	I'm sure I'll have some other questions.
11	MS. LEUNG: Follow up on that. So
12	events like natural disasters, possible attacks,
13	would that also be a vulnerability if the cask was
14	compromised?
15	MR. LOCHBAUM: It would reduce the
16	this is David Lochbaum. It would reduce the
17	margin to those kind of challenges. But there was
18	an EPRI study that showed that the crack would
19	have to be several feet long for, for example, an
20	earthquake to cause it to break apart. So it
21	it reduces the margin, but there's quite a bit of
22	margin for natural events.
23	It's mainly, once you pick it up
24	and start putting more force on the walls, if
25	those walls are impaired, then they may fail.

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2	CHAIR CONGDON: Thank you.
3	So to wrap up this discussion, we
4	do have an outstanding information request in to
5	the N.R.C. We have confirmed they are working on
6	a response and I'm hopeful that I'll have more to
7	report back to the D.O.B. at the December meeting.
8	And if warranted, we will be inviting the N.R.C.
9	back to help explain their response.
10	So with that, I think we can turn
11	to the next item on the agenda, which is the
12	update by Holtec on activities at the site. Rich
13	Burroni?
14	MR. BURRONI: Okay. Just good
15	evening. I'm Rich Burroni. Just as an update,
16	Holtec has selected me to be the chief nuclear
17	officer for the for the company, so this will
18	be my last presentation here at the D.O.B.
19	meeting.
20	I did want to say goodbye to
21	Richard Webster, but I'll just send him an email.
22	CHAIR CONGDON: I think he's
23	monitoring online.
24	MR. BURRONI: All right. And so
25	•

Page 70 9/21/2023 - Indian Point 1 2 Congratulations. CHAIR CONGDON: 3 MR. BURRONI: Okay. So in the 4 future, my successor, along with Pat, will do the 5 presentations. As you can see, as we go further 6 in the process, we'll need more and more corporate discussions and -- and corporate clarifications on some of the work that we're doing. So with that said, let's go Okay. 10 to the next slide, please. So agenda is typically what we do every -- every D.O.B.; right? So we'll 11 12 talk about the ISFSI pad where we are with that, 13 Unit 2 spent fuel -- spent fuel pool status, Unit 14 3 spent fuel status, discharge discussion, vessel 15 segmentation at both units. We'll talk about some 16 N.R.C. inspections and activities and some of our 17 safety issues. Next slide. So the ISFSI pad, 18 19 since our last oversight board meeting, the 2.0 vehicle barrier wall installation is in progress, 21 a security support structure is in progress, and our additional fence line installation is in 22 23 progress. Addition -- additionally, we're working 24 on some microwave units that will be used for 25 security purposes.

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2	By the next Decommissioning
3	Oversight Board meeting, all construction
4	activities will be complete and the fuel-on pad
5	protected will be projected for November 15th,
6	which actually means it's going to be the ISFSI
7	pad itself will be the protected area of the site.
8	So if we go to the next slide, we
9	could point out some of the work that we're doing.
10	The arrow all the way on the right shows
11	additional fence line that's being installed. It
12	shows the the next arrow shows the vehicle
13	barrier wall that's being installed. And then the
14	last arrow on the left shows the new security
15	building that's being put in place.
16	All told, like I've said in
17	previous discussions, there'll be 127 casks on
18	both pads. We do do an inspection every shift
19	I'm sorry once a day by the operators
20	they do do it a round and they just verify that
21	there's no visual issues with the HI-STORMs that
22	are on the pad, itself.
23	Next slide. So the Unit 2 spent
24	fuel pool defuel status, as we've discussed, the
25	Unit 2 defuel status is complete. There's no more

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2	fuel in that pool. We're in the process of
3	cleaning the fuel racks, that's in progress. That
4	should wrap up by the end of this week, tomorrow.
5	And then we'll do rack surveys of the fuel racks.
6	That's in progress. That should wrap up on
7	Monday.
8	So once that's done, we'll commence
9	the removal of the spent fuel racks from the pool,
10	they'll get bagged, and shipped to our depository
11	in Texas. That should start within the next two
12	weeks. I believe it'll complete prior to the next
13	D.O.B.
14	Next slide, Unit 3. We're in our
15	last phase, like John described go back one,
16	please. Last phase like John described. Right
17	now, the fuel offload is in progress. During this
18	we transferred one cask. So as of today, there
19	are eight casks that remain in the pool.
20	By obviously the fuel offload
21	will be complete by mid-October. We've got
22	another three or four weeks. And then we'll
23	commence the rack cleaning.
24	All right. So our discharge
25	discussion update, so based on the passage of the

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2	bill to prevent effluent discharge to the Hudson
3	River in connection with the decommissioning of
4	the nuclear power plant, we are reviewing all
5	available options for the disposal of radioactive
6	or radiological effluents.
7	Impact to the overall schedule is
8	being evaluated. I was pretty adamant about that
9	last meeting, if you run the tape. We'll evaluate
10	the schedule and see what the impact is.
11	Unit 2 vessel segmentation is the
12	next slide. We completed our steam generator
13	reactive cooling system primary pipe preps with
14	chemical cleaning, so actually we do some chemical
15	cleaning of the steam generator tubes, themselves.
16	That cleaning will probably start in the first
17	quarter of 2024.
18	Then through the next meeting,
19	we'll continue with the equipment set for
20	segmentation activities. That includes
21	installation of platforms, an aux bridge, and a
22	gantry saw where we'll start cutting the upper
23	internals.
24	And then for the cavity floor,
25	we'll install floor plates, and to keep the pool

Page 74 9/21/2023 - Indian Point 1 2 clean, filters and vacuum equipment gets installed 3 in the cavity itself. Keeps clarity for the 4 workers as they do the segmentation work. 5 Next slide, please. Unit 3, we've 6 completed boxing all of the Unit 3 Bravo Charlie 7 waste that's just the level of radiation that the 8 waste contained. We -- and so that -- those are stored on-site in our flex building now. 10 And we removed in-core thimble 11 There's 53 of those. The thimble tubes tubes. were actually used during plant operation to 12 13 monitor core characteristics. And if we had to 14 make any adjustments with boron or rods, we would 15 do that based on the -- the data from the -- the 16 detectors that went in and out of the reactor itself. 17 18 So projected activities through 19 December 6th, we'll continue cutting and prepping 2.0 Unit 3 piping for the steam generated chemical cleaning. That'll be done, also, like we're doing 21 22 in Unit 2. And we'll continue preps for the Unit 23 3 core barrel removal, so that's the next big 24 The vessel segmentation in Unit 3 is 25 removal of the core barrel itself.

Page 75 1 9/21/2023 - Indian Point 2 Next slide. This is a repetitive 3 It's N.R.C. inspections discussions with slide. 4 We're pretty confident that once we the N.R.C. 5 get fuel-on pad protected the permanently defueled 6 emergency plan L.A.R. and exemption will be 7 granted. We're also looking for -- if you go to that last block, the ISFSI only E plan, ISFSI 10 only tech spec, and ISFSI only security plan. 11 ISFSI is the pad, right, so it's independent spent 12 fuel storage installation. That's just the 13 acronym. 14 Upcoming N.R.C. inspections, we hae 15 a greater-than-class C and 50.59 inspection 16 September 18th through the 21st. We just had an 17 inspection last week where the N.R.C. inspector 18 did look at the ISFSI pad, did look at some of our 19 procedures, and there were no issues. 2.0 We have our rad waste storage and 21 transportation inspection in October. We have 22 another ISFSI inspection for continuous loading in 23 October the 2nd through the 6th. And then you can 24 see there's dosimetry inspection and then the 25 year-end inspection to close out 2023.

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2	Right now in this quarter, we have
3	no N.R.C. noted violations. Quarter ends in two
4	weeks.
5	Next slide. These are the N.R.C.
6	inspection activities from the second quarter of
7	2023. We did get three non-cited level four
8	violations.
9	The first one was failing to follow
10	procedures for controlled hot work, didn't do
11	really a good job on looking at the areas
12	surrounding some welding activities. We talked to
13	the individuals. We had the area cleaned up and
14	then we continued the work.
15	The next slide really is ties to
16	the shipment from Oyster Creek, where there were
17	two hotspots identified by our technicians when
18	the when the material was received at site. It
19	was one was over 200 millirem, one was about
20	400 millirem on top of the of the package that
21	was received.
22	So we did a good job in identifying
23	it. We did a good job of securing it. But we did
24	not do a good job of immediately notifying the
25	N.R.C., right, and that was what the requirement

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2	was. We had to brush up on the procedure so it
3	was perfectly clear. We did that, but that was
4	the genesis behind that violation.
5	And then the last violation really
6	has to do with the design staff that designed the
7	HI-LEFT that's allowing us to do all this fuel
8	moves in Unit 3. We should have had a a better
9	C.F.C. or certificate of conformance with a
10	specific valve from a seismic perspective.
11	We didn't get that done. The
12	engineers didn't get that done until they were
13	prompted by the N.R.C. They got the C.F.C. and
14	there's no issue with the with the component or
15	the valve itself.
16	So actions to restore compliance.
17	All of these were issued all of these were
18	noted in our corrective action program.
19	Corrective actions were established to preclude
20	recurrence specifically procedures were revised
21	for clarity, right, and we also provided some on-
22	the-spot training just to make sure that we
23	preclude recurrence so it won't happen again.
24	But I think the most important part
25	there was some license since licensee placed

Page 78 9/21/2023 - Indian Point 1 2 the deficiency into this corrective action 3 program, the violations were in -- in -- in apprehensive. Very low safety significance and 4 5 because the violation was not local and repetitive, those violations are being treated as 6 non-cited violations consistent with section right there with the enforcement policy. I do agree with what you're saying, 10 Tom, about the number of violations. I've talked 11 to our vice-president, reg assurance in Camden, 12 Jean Fleming. There are some other issues at 13 other facilities where we're seeing these level 14 fours and -- and some level threes, right. 15 So we are getting an independent 16 person to come in and do an assessment of all the 17 violations in the fleet just to see what 18 corrective actions we could generate to preclude 19 recurrence. So we are on top of it. 2.0 happy with these. We've got to turn this around. 21 Next slide. I think this is a 22 little too premature to discuss right now, but 23 this is the issue where, in layman's terms, the 24 M.P.C. that we talked about has spacers. 25 those --

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2	CHAIR CONGDON: Multipurpose
3	canister.
4	MR. BURRONI: Multipurpose
5	canister. And the reason why it's a multipurpose
6	canister is because that canister could be used to
7	transport fuel in a transfer cask. Right. Not
8	only that it sits on the pad.
9	So there are spacers that were, at
10	one point, welded to the M.P.C. grid where we load
11	the fuel. The design was changed. Instead of
12	welding, we bolted it. N.R.C. feels that that
13	should have been that the process that should
14	have been reviewed and approved by the N.R.C.
15	We, as Holtec, do not agree with
16	that assumption. We are going to the N.R.C., in
17	fact, Dr. Singh is going to the N.R.C. mid-October
18	to discuss our to discuss our position. And
19	it's in accordance with what's called the choice
20	letter, right.
21	And so if you read the inspection -
22	- if you read the inspection report, it tells you
23	you have a choice to either accept the
24	violations, right, or do a what do we call a
25	what was it called?

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2	MR. OBRIEN: Predecisional
3	enforcement conference
4	MR. BURRONI: Thank you very much.
5	A predecisionional enforcement conference, which
6	is what we're going to do, right. So we'll go
7	down in October, discuss these issues. We believe
8	that these won't be violations. That's why I'm
9	thinking we could have held off on this, but
10	but it's there so we'll have a discussion. That
11	all make sense? Okay.
12	Last, but not least, is our safety
13	discussion here. Not proud of this one either.
14	Right. And and the guys are really trying
15	hard, right, to conform to our standards. In
16	fact, we brought in an independent person on-site,
17	right, to do a full-blown apparent cause
18	evaluation to really determine what's the issue
19	with the safety issues.
20	Why are we seeing these first aids
21	and why are we seeing these OSHA-restricted duty
22	or recordables, right. So we've had all employee
23	meetings. We had one where everybody joined. All
24	the guys that you see behind me, they all came to
25	the meeting. Kind of reinforced what our

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9/21/2023 - Indian Point 1 2 standards are, right, and -- and listen, we don't want people coming home getting hurt, right. 3 4 go home, right, you come to work, you do a day's 5 work, but it all goes out the window if somebody gets hurt, right. 6 7 So we're trying to really drive 8 home procedure adherence, enforcement of 9 standards, and really thinking about you guys at 10 home, your loved ones at home, right. And do you 11 really want to put yourself at risk, right, and affect that family environment, right. 12 13 So that's kind of the issues that 14 we're pushing, been very receptive by the guys. 15 We really accept -- we really appreciate that. 16 Every day there's safety briefings. No matter 17 what department or what activity you go to, 18 there's safety discussions every single day, 19 including my 8:00 meeting. Cliff can attest to 20 that, right. 21 So we -- we discuss safety every 22 day, got to turn this around. In the Camden 23 facility, they just had a thousand-day run where 24 they had no OSHA recordable. We got to get there. 25 We need to get there, right. And now we're on a

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2	70-day run, right, so I'm appreciative of that,
3	but it's nowhere near a thousand days. We've got
4	to continue to work on that
5	CHAIR CONGDON: Who had a thousand
6	days?
7	MR. BURRONI: getting full
8	cooperation with the unions
9	MR. OBRIEN: Our manufacturer in
10	Camden.
11	MR. BURRONI: okay getting
12	full cooperation with the unions, they're doing a
13	great job, right, just got to make sure we keep
14	eyes on path and and turn this around. That's
15	all I have pending any questions.
16	CHAIR CONGDON: Do you want to
17	react to the Department of Labor asbestos issue at
18	all that was reported out by Rachel?
19	MR. BURRONI: Again, that was
20	captured in our in our corrective action
21	program, shouldn't have occurred, right. We did
22	some training, right, we had we turned that
23	around. In fact, we just had a big asbestos job
24	that we just finished. And based on some of the
25	corrective actions from that, we employed those

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2	with the latest job that we did. Those were
3	legitimate issues, yeah.
4	CHAIR CONGDON: Thank you.
5	Questions for Rich?
6	MR. CREIGHTON: That was a great
7	report, I just have a quick question on your level
8	four items that were identified by the N.R.C.
9	MR. BURRONI: What page?
10	MR. CREIGHTON: The second one
11	regarding this page 11 of your report.
12	MR. BURRONI: Okay.
13	MR. CREIGHTON: I I just want to
14	compliment your workers on on catching
15	something that came from the Jersey site and you
16	guys caught it as soon as it came to the plant.
17	We really appreciate that. I'm interested in two
18	things.
19	One is was this a one-off, or are
20	we expecting more shipments from New Jersey? And
21	then the second is, you know, when mean, we've
22	got corrective actions were established to
23	preclude recurrence that nothing else is coming,
24	or something else?
25	MR. BURRONI: The the actions

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2	for us would be to make sure, if we get another
3	shipment like that, right, that we immediately
4	notify the N.R.C. That's why we received the
5	violation. Otherwise we wouldn't have.
6	As far as Oyster Creek is
7	concerned, or Pilgrim, or Palisades, right, we all
8	share the incident with those three other sites.
9	Unfortunately, Oyster Creek got a level three
10	civil penalty, right, so they put corrective
11	actions in place. They put a root cause team in
12	place yes, for this incident, right.
13	So they put corrective actions in
14	place to preclude recurrence also. So actually,
15	what happened
16	MR. CREIGHTON: (unintelligible).
17	MR. BURRONI: Yeah, it started
18	there. So simply put, they wrapped up a piece of
19	equipment that was contaminated that that we
20	can use and can be transported safely. However,
21	when they cinched down on the outer casing, right,
22	it transferred the contamination up to above the -
23	- the casing itself.
24	So there were only two spots on
25	top. Nobody really got affected by it as as we

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2	went through all of that data. It's unfortunate.
3	MR. CREIGHTON: Are we expecting
4	more shipments?
5	MR. BURRONI: I won't say no, but
6	I'll tell you that the corrective actions they put
7	in place should prevent that from happening again.
8	MR. CREIGHTON: And this is for
9	(unintelligible) that is segmented and sent back -
10	-?
11	MR. BURRONI: It was for a it
12	was for a component that we use for segmentation
13	of the vessel.
14	MR. CREIGHTON: Okay.
15	CHAIR CONGDON: Susan?
16	MS. SPEAR: Yeah. Hi, Susan Spear.
17	Thank you.
18	I wanted to follow up on that same
19	issue, I while I certainly recognize that a
20	delayed report is of concern, I feel like that's
21	sort of the wrong problem here.
22	I mean, I I guess I'd like to
23	better understand what exposure the workers had
24	during this incident and why another plant can
25	send contaminated instruments to Indian Point, or

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2	any other plant for that matter. I it seems to
3	me like it shouldn't be allowed in the first
4	place.
5	MR. BURRONI: Absolutely. That's
6	why we have an issue. I agree with you 100%.
7	MS. SPEAR: Well, did did the
8	workers get any exposure when they identified
9	MR. BURRONI: No.
10	MS. SPEAR: the problem? I
11	mean, how?
12	MR. BURRONI: No. In fact, when
13	the when the shipment came, right, we did a
14	thorough search, right, and we picked up on the
15	two hotspots. It was just two I won't say just
16	it was two hotspots on on the container
17	itself, right.
18	MS. SPEAR: And when they do that
19	identification, there was no exposure in that
20	process
21	MR. BURRONI: Correct.
22	MS. SPEAR: to those workers?
23	MS. BURRONI: Correct.
24	ASSEMBLYWOMAN LEVENBERG: And what
25	about during the transport process?

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2	MR. BURRONI: I can't hear you?
3	CHAIR CONGDON: While it was being
4	transported, what about during transport?
5	MR. BURRONI: We looked at that,
6	right?
7	UNIDENTIFIED SPEAKER: D.O.T.
8	guidelines for shipment.
9	MS. SPEAR: So how did you how
10	did you find how did the workers find it? Was
11	were they?
12	MR. BURRONI: We did the survey of
13	the component when it arrived on site as per our
14	procedures.
15	MS. SPEAR: Is that a standard
16	practice?
17	MR. BURRONI: Correct. Yes. The
18	person who spoke is Ray Fucheck. He's our R.P.
19	manager.
20	MS. SPEAR: Thank you. I
21	appreciate the info and glad there was no
22	exposure. I just really do have a concern with
23	contaminated equipment and materials being brought
24	you know, being transferred from plant to
25	plant.

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2	I mean, you said that you do get
3	you do share equipment with other plants.
4	MR. BURRONI: If it's yeah, and
5	if it's properly boxed and it's properly
6	protected, it's not an issue. In this case, it
7	wasn't. In this case, the issue was identified.
8	And in this case, it was entered in the correct
9	program.
10	CHAIR CONGDON: Rich, would it be
11	that the tool would go from a hot area and then be
12	used in a hot area
13	MR. BURRONI: Yeah.
14	CHAIR CONGDON: where it was
15	being delivered to?
16	MR. BURRONI: Absolutely.
17	CHAIR CONGDON: So the idea here is
18	that it's in a hot area, so the workers that would
19	be using the tool would have to be wearing all the
20	protective equipment?
21	MR. BURRONI: Yeah. You know,
22	admittedly, they should have done Oyster Creek
23	should have done a better job cleaning.
24	MS. SPEAR: Okay. Thank you.
25	CHAIR CONGDON: And that's why they

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2	got the level three
3	MR. BURRONI: Right.
4	MS. SPEAR: Right.
5	CHAIR CONGDON: citation. So
6	it's it's it's actually good that they
7	caught it at Indian Point.
8	MR. BURRONI: It was.
9	CHAIR CONGDON: And my
10	understanding in the report was that they took
11	readings in the cab of the truck to determine the
12	driver
13	MR. BURRONI: Absolutely.
14	MR. CONGDON: received no
15	exposure, low limits or whatever.
16	MR. BURRONI: The below limits,
17	that's correct.
18	MR. SIPOS: And just to clarify the
19	record, could we get the name of your colleague
20	who spoke?
21	MR. BURRONI: Mr. Raymond Fucia.
22	MR. CREIGHTON: Thank you.
23	MR. BURRONI: He is our radiation
24	protection manager at Indian Point.
25	CHAIR CONGDON: Rich, question.

Page 90 9/21/2023 - Indian Point 1 2 You know, in previous meetings, we've had a look 3 at the full schedule and some anticipation of 4 heavy demolition activities. And as you know, we 5 want to stand up the community air-monitoring program, the school reported out that they're 6 7 setting up their own monitoring program as well. 8 So could you just speak to when the 9 earliest date is that you're anticipating any kind 10 of dust-generating heavy demolition? 11 MR. BURRONI: Good question. Since everything is interconnected, right, and the 12 13 effluent is -- we cannot discharge the effluent 14 any longer, we have to review the schedule. 15 have to determine the impact to the schedule. 16 I can't give you a direct answer on that as to 17 when that would happen. 18 However, I -- I will tell you this. 19 The Reuter-Stokes monitors, there are 16 total that -- that John talked about. We don't need to 2.0 21 have those in service any longer once we go on 22 fuel-on pad protect. 23 However, I told the guys that I 24 want four of them along Broadway kept in service 25 to help with the community monitoring program, if

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2	that's going to help at all.
3	CHAIR CONGDON: Thank you.
4	ASSEMBLYWOMAN LEVENBERG: I I
5	just have one follow-up
6	CHAIR CONGDON: Yeah.
7	ASSEMBLYWOMAN LEVENBERG:
8	question. It's kind of related, but and Rich,
9	I don't know if you want to try to answer it. But
10	the back to the question of the canisters. If
11	there was, in fact, something wrong or you
12	know, with the canister and you needed to move the
13	spent fuel in one canister to a better canister,
14	is that something that can still happen at this
15	point?
16	Or are we getting rid of the
17	infrastructure to transfer the rods from one
18	canister to another, if that needed to be done?
19	MR. BURRONI: I'm trying to
20	understand your question. So typically, here's
21	what happens. An M.P.C. is the canister that
22	holds the fuel.
23	ASSEMBLYWOMAN LEVENBERG: Yeah.
24	MR. BURRONI: Correct?
25	ASSEMBLYWOMAN LEVENBERG: Uh-huh.

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2	MR. BURRONI: Within that canister,
3	there's a it's called like a honeycomb, but
4	it's a basket, right. And that basket is centered
5	within the M.P.C. So if you're going back to the
6	the issue that the N.R.C. potentially has,
7	right, to center that basket in the M.P.C., 12-
8	foot-long shims are used to center it. And
9	initially, the shims were welded to the basket.
10	Design change came through so that
11	said we don't have to weld it, we could bolt it.
12	That's all it is; it's just a shim that maintains
13	
14	ASSEMBLYWOMAN LEVENBERG: It
15	actually wasn't it wasn't it wasn't related
16	to the design change. It was related to Dave's
17	•
18	MR. O'BRIEN: Yeah. I I
19	understand what you're asking
20	ASSEMBLYWOMAN LEVENBERG: Okay.
21	MR. OBRIEN: Assemblywoman. So
22	the cask transfer pit remains. The the need to
23	move an M.P.C. between overpacks would not really
24	be a necessity. But there is that ability,
25	because you would use that cask transfer pit if

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2	you were going to transfer to a transportation
3	cask.
4	So there is infrastructure to move
5	the M.P.C. They are welded shut. They are
6	backfilled with helium. They are monthly or
7	weekly they do the surveys on each cask. So you
8	can identify, through the R.P. surveys, if there
9	was ever to be an issue related to radiation on
10	these on these M.P.C.s in the canisters.
11	So based on if an issue ever
12	occurred, and just to be clear, there's never been
13	a crack of any of Holtec's canisters anywhere in
14	the world. The only leaks you've ever seen in any
15	dry storage canisters are on those that are bolted
16	with a gasket and you find that gasket weld, that
17	is not our design, our design is is is
18	robotically welded on.
19	So depending on what the issue is -
20	- is where you would design kind of the transfer.
21	So theoretically, you could build a larger M.P.C.
22	that then you could place the other M.P.C. inside
23	of, and then put that in an overpack.
24	So you would not take the fuel out
25	outside and move it between M.P.C.s. That's not

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2	how it would be done, but it really would be
3	depending on what an issue is, you would do your
4	corrective actions in your plan to recover to
5	meet your certificate of compliance in that
6	manner.
7	ASSEMBLYWOMAN LEVENBERG: You just
8	said robotic welding
9	MR. OBRIEN: Yes.
10	ASSEMBLYWOMAN LEVENBERG: not
11	bolting, but you just said you're changing it to
12	bolting, not welding?
13	MR. OBRIEN: No no no. So
14	the bolting he's talking this is where I think
15	he was going down the wrong path
16	ASSEMBLYWOMAN LEVENBERG: Okay.
17	MR. OBRIEN: for your question.
18	ASSEMBLYWOMAN LEVENBERG: You went
19	back to
20	MR. OBRIEN: Yeah, the bolting was
21	tied to that question that the inspection report
22	that came out on
23	ASSEMBLYWOMAN LEVENBERG: Right.
24	MR. OBRIEN: Camden earlier this
25	week. So that's actually the honeycomb inside of

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2	an M.P.C. That's where the weld and bolt change
3	happen. It's not external to anything. It's
4	internally in in what is robotically welded.
5	ASSEMBLYWOMAN LEVENBERG: Okay.
6	Thank you.
7	MR. OBRIEN: Yeah, no problem.
8	CHAIR CONGDON: I believe Dave
9	Lochbaum has his hand up. Dave?
10	MR. LOCHBAUM: Yeah, this is Dave
11	Lochbaum. First, Rich, I appreciate all the
12	helpful information you've provided me over the
13	last year plus. You answered every question I
14	had, very candidly, and I appreciate that.
15	The question I have is you
16	mentioned that you have an independent person come
17	in and look at the corrective actions at Indian
18	Point and some other Holtec sites. Will that
19	independent consultant at least a summary of
20	what the independent consultant found and
21	recommended with it, will Holtec be making that
22	available?
23	MR. BURRONI: Absolutely.
24	MR. LOCHBAUM: Thank you.
25	MR. BURRONI: You're welcome. And

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2	it's been a pleasure working with you, Dave.
3	CHAIR CONGDON: Victoria, did you
4	have a question?
5	MS. LEUNG: Yeah. Victoria Leung,
6	Riverkeeper. This may be a bit premature, but I
7	was wondering if you could talk about what
8	available options you are reviewing for the
9	discharges?
10	MR. BURRONI: Right now, we're not
11	able to right now we're not going to discuss
12	that, right. There are multiple options we could
13	look at. Those are all being under review.
14	MS. LEUNG: And a follow-up
15	question, have you had any discussions with
16	regulators about how about the possible
17	available options?
18	MR. BURRONI: We'll have that
19	discussion, I'm sure, here at the D.O.B.
20	MS. LEUNG: Thank you.
21	CHAIR CONGDON: Can I ask a follow-
22	up question regarding your approach to this
23	alternatives analysis, which is what is your
24	what is your objective in a in in
25	in looking at these alternatives?
I	

Page 97 1 9/21/2023 - Indian Point 2 In other words, you know, we, 3 the D.O.B. and in the joint proposal, are seeking 4 safe, prompt, and thorough decommissioning; right? 5 Are those the guiding principles that you will apply to your evaluation of the alternatives? 6 MR. BURRONI: This is your area. MR. OBRIEN: I figured as much. Ι 9 knew you brought me for a reason. So again, I 10 think we will look at all options against the 11 schedule and what a proposed schedule may be. think that the obvious answer, what you're 12 13 probably going to ask is, would there be major 14 schedule impacts that could affect the length of 15 the project. 16 We're not there yet in the 17 evaluation. Obviously, when we put the schedule 18 together for these projects, it took years to do. 19 So now you're looking to, you know, kind of 2.0 reconfigure those. But I will say, if you look at 21 other facilities that we have had the same issue, 22 Pilgrim, which was much further along in 23 decommissioning, really all we have left up there 24 is a reactor building, a turbine building, and one 25 support building. That was a four-year add to

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2	that, just that project at a one-unit site.
3	So I would anticipate we'll look at
4	all available options that are allowable, but
5	there will be a schedule impact. I don't think
6	you can avoid it.
7	MR. BURRONI: You know, not only
8	that, right, Dave Dave listed four or five
9	different options, right, that we had. We'll
10	probably, we'll look at those also, right. They
11	always go back to his first his first his
12	first option, right.
13	And the least risk to the public
14	was discharge to the river. So we'll look at all
15	the options.
16	CHAIR CONGDON: Questions for
17	Holtec?
18	All right. We are very unusually
19	ahead of schedule and I think we can turn now to
20	the public statement hearing portion of this
21	meeting. And for that, I'm going to turn it back
22	over to Tom Kaczmarek to lead us through that
23	program.
24	Tom?
25	MR. KACZMAREK: Thank you, Tom.

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2	So just a reminder for those who
3	attendees who pre-registered to speak will be
4	called on in the order in which they registered.
5	We're going to start this evening, actually, with
6	individuals participating by Zoom.
7	And just a reminder that your line
8	will be unmuted when it's your turn to speak.
9	Just so those listening online can be aware, the
10	first three will be Michel Lee, Manna Jo Greene,
11	and then Ellen Weininger. So Michel, we'll unmute
12	you in a moment here.
13	Those who are unable to speak this
14	evening will be directed to additional
15	opportunities on subsequent slides. But again,
16	the fair to provide a fair opportunity for
17	everyone to speak, we'll impose a three-minute
18	time limit on statements. Speakers will be cut
19	off if they exceed that time limit. So just
20	please respect the other individuals in the room
21	and online and offer them an opportunity, as well.
22	So again, I'll turn it to Michel
23	Lee. You'll be our first speaker this evening.
24	And I'll give you cues for when you're coming up
25	on time. Michel?

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2	MS. LEE: Great. Thanks. Can you
3	hear me?
4	MR. KACZMAREK: Yes, we can.
5	MS. LEE: Terrific. And I and I
6	have my little timer I put in front of me, too.
7	Okay. So first of all, I want to
8	express the utmost gratitude to Governor Kathy
9	Hochul for signing the Save Hudson Bill and to
10	Senator Harckham and Assemblywoman Levenberg and
11	many other legislators at both the state and
12	national level that joined in in the bipartisan
13	support for the bill.
14	And I urge the state officials here
15	and elsewhere to work with Holtec to ensure
16	responsible on-site storage of the contaminated
17	wastewater. And on this point, I'd argue that the
18	pre-treatment surveys of the full contamination
19	load, so that would include the radionuclides and
20	other chemicals, should be made public. This is
21	extremely important for overall state and national
22	information. There's no rationale for these being
23	considered proprietary.
24	And and on the point of
25	alternatives, I would just say that Holtec puts

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2	itself out as manufacturing the best storage
3	system on the planet. It can hold the most
4	dangerous material, high-level nuclear fuel, no
5	problem for decades and decades, 100 years,
6	transportation everywhere; right?
7	But somehow cannot have the
8	expertise and technical capability to figure out a
9	way to store it in tanks on-site, that doesn't
10	really make a lot of sense to me.
11	I also, just going back to being
12	grateful, want to thank the D.O.B. I think this
13	has been an excellent and very informative
14	meeting. It it's really exactly what the
15	public had envisioned when when we pressed for
16	the creation of the Decommissioning Oversight
17	Board. And and I have enormous optimism that,
18	going forward, you're going to be the model for
19	the country, which is incredibly important
20	because, as the facts brought out tonight
21	demonstrate, we need state eyes on these sites.
22	And so thank you. And I'm going to
23	actually end a second before I have to.
24	MR. KACZMAREK: Thank you. Thank
25	you.

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2	Next, we have Manna Jo Greene.
3	Manna, you're unmuted. Manna, can you hear us?
4	UNIDENTIFIED SPEAKER: She might be
5	on her phone, calling in on a phone line, but
6	sitting on Zoom, or logged in on Zoom.
7	MR. KACZMAREK: Manna, if you can
8	hear us, we'll try reaching back out to you. We
9	don't see your phone number on, but we'll if
10	you join us again in a little bit, we'll Manna,
11	can you hear us?
12	MS. GREENE: I'm sorry. Can you
13	hear me?
14	MR. KACZMAREK: Yes, we can.
15	CHAIR CONGDON: We can hear you,
16	Manna.
17	MS. GREENE: Could you call on
18	somebody else and let me be next because I was in
19	transit.
20	MR. KACZMAREK: Sure. Understood.
21	Thank you, Manna.
22	Next is Ellen Weininger. We'll
23	we'll come back to Manna when we can, but then
24	after that, it will be Joshua Raderman and then
25	Margaret Rubick.
II	

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2	So Ellen?
3	MS. WEININGER: Yes. Can you hear
4	me?
5	MR. KACZMAREK: Yes, we can.
6	CHAIR CONGDON: Yes.
7	MS. WEININGER: Thank you. My name
8	is Ellen Weininger. I am the Director of
9	Educational Outreach at Grassroots Environmental
10	Education, a science nonprofit based in New York.
11	I also live right here in Westchester.
12	We wanted to commend Governor
13	Hochul for signing the Save the Hudson bill into
14	law to protect our precious water supply from
15	being turned into a radioactive dumping ground,
16	which would have devastated our vibrant,
17	multibillion-dollar Hudson Valley economy that
18	employs tens of thousands of workers.
19	We're also grateful to
20	Assemblymember Dana Levenberg and Senator Pete
21	Harckham for their strong leadership in bringing
22	this bill to fruition. Our state and federal
23	statutes provide the clear authority and
24	responsibility of our state agencies to conduct
25	and implement a science-driven solution process

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2	that includes transparent, independent,
3	authoritative, and comprehensive analyses and best
4	practices for waste management, safe and secure
5	on-site storage, thorough wastewater testing,
6	ecosystem testing, and continuous monitoring, site
7	remediation, continuous air monitoring, as well as
8	for other decommissioning operations and policy
9	decisions with full public input.
10	One example is the comprehensive
11	wastewater testing prior to the waste management
12	process and storage on-site. As you know, the
13	Massachusetts Department of Public Health released
14	their reports on their testing. And their
15	findings included nine PFAS compounds, semi-
16	volatile organic and volatile organic compounds,
17	as well as metals, including zinc, which exceeded
18	New York State limits, as well as cyanide.
19	This underscores the importance for
20	New York State to ensure that E.P.A. priority
21	pollutants, including PFAS, are tested as part of
22	the process.
23	According to Ken Buesseler, a
24	marine radiochemist at the Woods Hole
25	Oceanographic Institution, who reviewed the

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2	Pilgrim analyses, he indicated he reported that
3	the numbers for cesium 137 in the untreated water
4	are 200 million times higher than what's in the
5	ocean right now.
6	And further, the test would be
7	needed to determine levels of other radio isotopes
8	such as carbon 14, strontium 90, plutonium,
9	uranium, which require advanced testing.
10	MR. KACZMAREK: Fifteen seconds,
11	Ellen.
12	MS. WEININGER: Thank you. Again,
13	this points up the importance of thorough testing.
14	Mr. Buesseler also pointed out concerns about
15	treatment systems, removing and their removal
16	of radionuclides and the repeated need to retreat.
17	And this underscores the importance of New York
18	State involving independent exports or experts
19	to determine the effectiveness of treatment
20	systems, what radionuclides would be treated, what
21	radionuclides would need to be re-treated, and
22	MR. KACZMAREK: Ms. Weininger, are
23	you wrapping up?
24	MS. WEININGER: Yes. And full
25	oversight of this treatment process.

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2	Thank you so much for the work of
3	the D.O.B. and for attention to these very
4	critical issues. Have a good evening.
5	MR. KACZMAREK: Thank you very
6	much.
7	Manna, are you available now or
8	would should we?
9	MS. GREENE: I am.
10	MR. KACZMAREK: Okay.
11	MS. GREENE: And thank you. I want
12	to, in particular, say that tonight, as much as
13	any of the meetings I've attended, there was
14	really good education of the D.O.B. members and
15	the public. And I appreciate that.
16	It's when we first conceived of
17	the need for Decommissioning Oversight Board, that
18	was one of the main purposes is to have key
19	stakeholders in the community understand the
20	decommissioning process. I think it's also
21	identified some important gaps that need to be
22	addressed, some with regard to safety.
23	But if I understood correctly, it
24	does sound like Holtec will honor the legislation
25	that Senator Harckham and Assemblywoman Levenberg

Page 107 1 9/21/2023 - Indian Point 2 proposed and the governor just recently signed. 3 And I think there are good on-site 4 alternatives to be explored. And if there's any 5 help we can provide, including connecting the 6 D.O.B. with experts, we will. And the last thing I want to say, 8 just to keep my comment short, is that it is 9 critically important that New York State take 10 leadership in the protection of human health and 11 the environment. So that in particular would fall to D.E.C. and Department of Health. But there are 12 13 other agencies that have jurisdiction. 14 think that we have very good evidence that they 15 have more jurisdiction than they have been 16 exercising. 17 The N.R.C. does have some major 18 responsibility, but that -- it doesn't end there. 19 And there are also very serious gaps. 2.0 is that the post-shutdown activities report 21 doesn't have to be approved by the N.R.C. It only has to be submitted. And -- and there's no real 22 23 serious opportunity for public input. 24 MR. KACZMAREK: Fifteen seconds, 25 Manna.

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2	MS. GREENE: a lot of what we're
3	seeing now is a result of the lack of oversight
4	proactive oversight by the N.R.C. And the state
5	needs to fill that gap. Thank you.
6	MR. KACZMAREK: Thank you.
7	Next, we have Joshua Raderman. And
8	if I can just ask while we're getting Josh pulled
9	up, Margaret Rubick, if you're joining by phone,
10	if you could dial star 9 to let us know you're
11	joining us this evening. Margaret Rubick, star 9,
12	if you're joining us. And with
13	MR. RADERMAN: Hello; can you hear
14	me?
15	MR. KACZMAREK: Yes, we can.
16	MR. RADERMAN: Hi; my name is
17	Joshua Raderman. I was born in Rockland County,
18	back I'm not going to say when. But my father
19	used to do this in the '70s. My father used to
20	tell me stories about the 1940s when he used to go
21	swimming in the Hudson River and what an
22	incredibly beautiful place it used to be and how
23	it would attract all sorts of different types of
24	folks.
25	I currently now live in Colorado.

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9/21/2023 - Indian Point 1 2 Please don't hold it against me. But since that 3 time, I've worked very, very much in the science 4 side of the hemp industry. I really would like to 5 bring to light that here in Colorado, which is -which has an enormous amount of heavy metal waste, 7 radioactive waste, and waste from the mining industry, we have seen dramatic results from the bioremediation of these compounds through the 10 growing of hemp. 11 And I would love -- I would ask 12 each of you to please investigate some of the 13 studies that have been done on this whereas we've seen some incredible results without the use of 14 15 dumping anything. We've been storing the hemp in 16 hempcrete. 17 We've been processing the hemp. 18 We've been processing radiation through -- through 19 bacterial function in the fermentation process. 2.0 And here, we've really had real 21 world experience with alternative methods for 22 dealing with superfund sites, as well as intense -23 - intensely polluted soils. And we've seen remarkable, remarkable results. 24 25 So I just please -- this is very

Page 110 9/21/2023 - Indian Point 1 2 close to my heart. I'd love to come back to New 3 York and see the river clean. And I really 4 appreciate what you're all doing to take concern 5 for the citizens of your state. I really do 6 believe that government is supposed to step in 7 where people can't and that hopefully a government 8 is in the best interest of the people, not just in the best interest of the politicians, jobs, and 10 public and private interests. 11 So I really commend all of you for 12 taking care of the people. And I just -- all I 13 ask you to is please investigate some of the 14 remediary options that involve hemp. 15 MR. KACZMAREK: Thank you. 16 Margaret Rubick, just one more 17 opportunity here. Please dial star 9 if you're 18 joining by phone. Or if you're online, please 19 raise your hand. You may be joining under another 2.0 name. 21 Seeing none, we'll move on 22 to Jocelyn DiCrescenzo. And while we're pulling 23 Ms. DiCrescenzo up, Tony Costantino, if you're 24 joining by phone, please dial star 9 to let us 25 know you're joining us.

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2	Ms. DiCrescenzo, are you with us?
3	You're unmuted.
4	MS. DICRESCENZO: Can you hear me
5	now?
6	MR. KACZMAREK: Yes, we can.
7	MS. DICRESCENZO: Okay. Great. I
8	have a couple of things I'd like to address. And
9	first of all, I wanted to thank Governor Hochul
10	for signing the Save the Hudson River bill. It
11	was an astonishing event. And I'm so glad that I
12	was able to be party to that. I want to thank
13	everyone on the D.O.B. I'd like to thank
14	Assemblywoman Dana Levenberg and Senator Harckham
15	for their hard work, and everyone who was part of
16	the effort to make things come to the point where
17	they are.
18	My name is Jocelyn DiCrescenzo and
19	I live in Valley Cottage, Rockland County, New
20	York. I thank you for the opportunity to speak
21	tonight. I'd like to say that regarding tritium,
22	we cannot accept it in our air or water.
23	It needs to be kept safe, on-site,
24	away from the environment for at least 60 years.
25	Think about that. Workers will have more work,

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9/21/2023 - Indian Point 1 2 which leads to another big concern I have. 3 public feels very strongly that workers who have 4 experience, skills, and legacy knowledge of Indian 5 Point, and who are union labor workers, should not be used as pawns by Holtec, which is their M.O. 6 They've threatened us twice now, at 8 Holtec's previous behavior with labor was 9 that they will try to replace union workers with 10 non-union workers, trying to cut corners, that 11 they will try to do this as a strong-arm tactic, 12 unnecessarily laying off workers. The public 13 supports the workers and we hope that if Holtec 14 tries to do this, the state will push back. 15 Additionally, I'd like to bring up 16 the subject of inspections. I'd like to speak 17 regarding that at Indian Point, to ensure that 18 Holtec does not -- does not heat the wastewater so 19 that it evaporates into the air. 2.0 The D.E.C. should have continuous 21 monitoring and inspections at Indian Point to 22 ensure that Holtec is not engaged in forced 23 evaporation of wastewater in light of the 24 whistleblower's highly technical report letter, 25 stating that Holtec is employing a forced

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2	evaporation process during its decommissioning of
3	the Pilgrim nuclear reactor in Massachusetts. I
4	know you've addressed that a little bit.
5	Similar to some Occupational Safety
6	and Health Administration inspections, some of
7	these inspections should should not only be
8	scheduled in advance, but should be surprise
9	inspections. They should be a surprise.
10	There also needs to be proactive
11	public posting of reports in a timely manner on
12	the Decommissioning Oversight Board docket so that
13	we actually have access to the information, so
14	that we can make timely do our own timely
15	reporting and questions and concerns that we would
16	like to address. So
17	MR. KACZMAREK: Thirty thirty
18	seconds, Ms. DiCrescenzo.
19	MS. DICRESCENZO: That's all. I
20	just wanted to thank you very much. And those are
21	just a few of my concerns. Thank you.
22	MR. KACZMAREK: Thank you.
23	Tony Costantino, please raise your
24	hand on the Zoom chat, if you're joining us. Star
25	9, if you're joining by phone.

Page 114 9/21/2023 - Indian Point 1 2 Seeing none, we'll move to the 3 speakers attending in Cortland. I'll name the 4 first three here. You may begin walking up to the 5 Nancy Vann will be our first speaker in Cortland, followed by Tina Volz-Bongar, and 6 7 Santosh Nandabalan. MS. VANN: Ηi. Thank you for giving me the opportunity to speak to you today. 10 You may have noticed when I walked in that I had a nosebleed. I hope to -- I'd hoped to not have 11 that by the time I got here, but it continued. 12 13 Unfortunately, that's not my most 14 concerning health problem related to Indian Point. 15 As a cancer survivor, I am very concerned about 16 not only the past releases of radiation from the 17 Indian Point plant, but also the threat to 18 continue those releases. 19 Despite the fact that we have 2.0 wonderful law passed by Dana Levenberg and Peter Harckham and the whole Legislature of New York and 21 22 signed, thankfully by Governor Hochul, we have heard that Holtec has threatened to take that to 23 24 court or to ignore the -- the law and continue to 25 dump radioactive water. This cannot happen.

Page 115 9/21/2023 - Indian Point 1 2 You might also have noticed My No 3 Holtec t-shirt. That is not something that has 4 been done by the groups here. This is from a 5 group in New Mexico where some of my Native American friends live. 6 7 They don't want this waste taken 8 out there and dumped on their lands, either. 9 are only one of the many groups and governments 10 that are concerned about the actions of Holtec for 11 very good reason. 12 Holtec, in the past, has a very bad 13 record of ignoring laws. Starting with things 14 like bribing a T.V.A. supervisor. After that, 15 lying on government forms to get New Jersey tax 16 credits. Promising non-existent jobs to the State 17 of Ohio to get tax credits. And most recently, a 18 whistleblower has brought to our attention that 19 they wanted him to lie on a prospectus in order to 2.0 get a grant of investment from the Hyundai 21 Corporation. 22 MR. KACZMAREK: Fifteen seconds. 23 MS. VANN: This has come out this 24 And this ongoing contempt for the law is 25 particularly concerning to me as a former retired

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2	Wall Street lawyer to lie on a prospectus in order
3	to get get an investment.
4	MR. KACZMAREK: Ms. Vann, are you
5	wrapping up?
6	MS. VANN: That's something that
7	has been in the news with other folks. And lying
8	on government forms is particularly on all of our
9	minds these days. Thank you very much.
10	MR. KACZMAREK: Thank you.
11	Next, Tina Volz-Bongar.
12	MS. VOLZ-BONGAR: Hi, I'm Tina
13	Volz-Bongar. And I live in Peekskill, New York.
14	And I'm part of United for Clean Energy and also
15	the Stop Holtec Coalition, and that involved
16	stopping the dumping.
17	I really want to to thank
18	Governor Hochul. Governor Hochul did the right
19	thing by the citizens. And this is what we did.
20	We really anyway, we lobbied her, we educated
21	her, we got out the masses, and we did the right
22	thing. All of us want to see this waste stored
23	on-site and not in our air or our water.
24	I want to thank Senator Harckham
25	and you, Assemblymember Levenberg, and I guess,

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9/21/2023 - Indian Point 1 2 Sandy Galef wasn't here, I thank her for doing the 3 right thing and putting this legislation forward. 4 I want to thank you, John Sipos, 5 for writing a letter to the N.R.C. and calling them out on the rulemaking process. I'm very glad 6 7 you did that and informed the public about that. 8 And now I can advocate to my elected federal 9 officials, which I plan to do. 10 Tom Congdon, thank you for writing 11 a letter about the N.R.C. inspectors. And I don't believe that Holtec should be allowed to do any 12 13 work until we look at the N.R.C. inspectors and 14 the kind of inspection reports that they've done. 15 Call me crazy. It's 2,000 tons of irradiated fuel 16 that we have on-site there. This, I mean --17 anyway. 18 So with that -- and it's been a 19 year since I did my emergency planning 2.0 presentation, and this is what I'm going to send 21 to the N.R.C. I'm going to tell them that I am 22 not part of their sacrifice zone. So I plan to 23 get active to try to get an expert, get the county 24 involved, and in disaster preparedness management 25 because we are next to pipelines. We have climate

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2	change. We have Hudson River rise. And
3	anyway.
4	So Mr. Burroni, I've been talking
5	to some experts. I reached out to some experts,
6	and I'm wondering if you would be open to watching
7	an interview that I did recently with an expert
8	about temporary on-site storage?
9	MR. BURRONI: Sure.
10	MS. VOLZ-BONGAR: Oh, great. Thank
11	you. All right. That's all I have to say.
12	MR. KACZMAREK: Thank you.
13	Next, we have Santosh Nandabalan,
14	followed by Jacquelyn Drechsler and Courtney
15	Williams.
16	MR. NANDABALAN: Thanks. Yeah. I
17	can keep this short. My name is Santosh
18	Nandabalan. I'm a community organizer with Food
19	and Water Watch and Food and Water Action. We
20	represent over 200,000 members and supporters
21	throughout New York State and really, really want
22	to convey this.
23	I know it's been said a lot, but a
24	huge thank you to Governor Hochul for signing the
25	Save the Hudson bill. This is incredibly
II	

Page 119 9/21/2023 - Indian Point 1 2 meaningful legislation, not just for New York 3 State, but we need to set a precedent that our 4 waterways are no longer dumping grounds, not just 5 for radioactive waste, but for industry to take -to take not only citizens for granted, but a 6 7 beloved environment and something that hosts a giant economy for the region. So that is a huge 8 boon. 10 Thank you, Assemblymember 11 Levenberg. Thank you, Senator Harckham. 12 For us, moving forward is what do 13 we do with this waste? This is a real issue for 14 like this energy source in general. But now that 15 it's here, we want to make sure that this waste 16 doesn't end up in our air and our water. 17 And I think for a lot of the people 18 in New York State, a lot of the public, there's a 19 real mistrust in some of the regulatory oversight. 2.0 There's definite mistrust in Holtec. 21 definite mistrust in some of the process. 22 But we see that work is being done 23 to rebuild that trust and work is being done to 24 ensure that public voices are brought in. 25 to, one, make sure that the process on this is

2.0

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done right so that the wastewater is tested properly, that there's ample opportunities to get public comment and -- and insight from people that are -- are either experts or, you know, we all drink the water, breathe the air, for everyone in the community.

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And two, a big thing here we -- we see, at least in a temporary point here, is that this waste can be stored safely on-site. And we're happy to work not only with the Hochul administration, but with state agencies here to work through what that looks like and to make sure we can, ourselves, check on what we think is the right thing to do.

So moving forward, we really want to see on-site storage of this waste, while it degrades -- degrades, have it not end up in our air and water. And we want to set a precedent here that you can't just dump it somewhere else. So moving this waste to another location is simply off the table. We think that it's here, we have to deal with it now. Moving forward, there's a conversation for our regulatory agencies and how industries operate.

Page 121 9/21/2023 - Indian Point 1 2 We are grateful to see more 3 progressive leadership take on protecting our 4 waterways and protecting our economy. So thank 5 you to the folks that have been pushing to make sure we're here today. We're going to take that 6 7 forward and ensure that the Hochul administration 8 continues its good work. And we hope to interface 9 with all of you. Thanks. 10 MR. KACZMAREK: Thank you. 11 Ms. Drechsler? 12 MS. DRECHSLER: Hello. Yes. T ' m 13 Jacqui Drechsler from Valley Cottage, New York. 14 And I do thank the D.O.B. This has been a very 15 good meeting, and Holtec for participating. 16 did come here with notes to take, a whole page of 17 notes which have gone missing. And I'm a classical flautist and I 18 19 can memorize concertos, but I just can't memorize 2.0 my notes like that. So I'm just going to talk a 21 little bit about this testing of the waters. 22 So I know that the D -- the 23 Department of Health is quite comfortable and used 24 to doing testing of waters. But I do believe that 25 there needs to be much more comprehensive testing

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2	of these waters. I also feel that that there
3	needs to be characterization of what's in that
4	water.
5	Now, at the last D.O.B. meeting,
6	there was a gentleman from the N.R.C. here who
7	said, oh, I have that in my suit, in my briefcase,
8	but he wouldn't show it. So obviously, Holtec has
9	done their testing. Is that correct, Mr. Burroni?
10	MR. BURRONI: Yes.
11	MS. DRECHSLER: Yes. But is not
12	willing to release the results of that until there
13	has been the treatment and then they'll release
14	it. But we need to know that now. I don't
15	understand why there can't be transparency. This
16	is information we all need to know. We need to
17	know what's in that water. We need to know what
18	the levels are. We need to know how many times it
19	needs to be treated and what different kinds of
20	treatment have to happen.
21	And so that's something that's
22	very, very important to me. And I also do believe
23	that there's really going to be the way to move
24	forward to have storage on-site that's safe,
25	that's away from the environment, that's away from

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2	people.
3	And quite honestly, you know, so
4	tritium has this thing called the half-life, which
5	everyone knows. And really, we need it to be here
6	for about 60 years and let it really decay before
7	it is released. And I do believe that there's no
8	reason for it to not be here.
9	We're going to be having the casks
10	here. I don't see why we can't keep the water
11	here and let it actually decay until it's at a
12	safe enough level that it won't be harming the
13	environment.
14	So I do want to thank everyone,
15	especially Senator Harckham, Assemblywoman Dana
16	Levenberg, and all of the D.O.B.
17	I mean, you've really been, at
18	at times, willing to share information with us.
19	But you know what? We need transparency. There's
20	no such thing as proprietary information here.
21	MR. KACZMAREK: Fifteen seconds,
22	ma'am.
23	MS. DRECHSLER: So I'm just hoping
24	that we're going to store it safe on-site for as
25	long as we possibly can, not for one cycle, but

Page 124 9/21/2023 - Indian Point 1 2 for more than one cycle, and that everyone will 3 work together and play in the sandbox nicely. 4 Thank you. 5 MR. KACZMAREK: Thank you. Ms. Williams? And up next will be 7 Susan Shapiro and Michael Marx. 8 MS. WILLIAMS: Thanks. Courtney 9 Williams from Peekskill. And I want to reiterate 10 the thanks that was expressed by so many other 11 speakers for Governor Hochul signing the bill and 12 our electeds for getting it through and for other 13 work by members of the D.O.B. 14 And I have a bunch of questions. 15 can just say them and then if there's responses, 16 hopefully, that won't eat into my time. 17 wondering if Enbridge has notified the D.O.B. 18 about Project Maple? Will that include pipeline 19 work at Indian Point? Has anybody heard of it? 2.0 They're planning to expand the Algonquin Pipeline 21 again. 22 On the 25th of August, the U.S. 23 Court of Appeals for the Fifth Circuit invalidated 24 the N.R.C. license granted to interim storage 25 partners for an interim storage facility, finding

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2	that the N.R.C. didn't have authority under
3	federal law to issue licenses for interim storage.
4	So I'm wondering what impact that
5	has on Holtec's plans since they keep telling us
6	they'll be sending the waste somewhere, but it's
7	not legal. And the N.R.C., they touted the
8	license they got. You can't. It's been
9	invalidated. So I don't know if we need to file a
10	lawsuit against Holtec or if that precedent will
11	hold for Holtec, as well.
12	Tina held up this mailer, but I
13	don't think she described what it is. This is
14	something I got in the mail earlier this week,
15	implying that it is a sure thing that the N.R.C.
16	will grant Holtec the permission to stop
17	maintaining the 10-mile perimeter because per this
18	piece of P.R., since the fuel has been removed
19	from the reactor and is being placed in long term
20	storage in the casks, there is no longer a risk of
21	a significant radiological emergency at the site
22	affecting Westchester, Rockland, Orange, and
23	Putnam Counties.
24	Again, you know, so many people
25	know what a O.R. code is, and everybody around

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9/21/2023 - Indian Point 1 2 here speaks English. But I guess, in this case, 3 it's probably just as well that they don't read 4 this. But we heard, again, you know, parents in 5 this community have been told over and over again how great those Reuter-Stokes monitors are and 6 7 how, you know, we're so safe and we'll know if there's a problem. But now we hear they're going to be 10 no longer maintained, taken -- and taken down. You know, we don't have a million dollars around 11 here to send out these fancy mailers. But let me 12 13 remind everyone that the soil at Indian Point is 14 contaminated because everything's been leaking for 15 decades. 16 And as we know from wildfires in 17 California, when you set radioactive stuff on 18 fire, like contaminated soil and stuff like that, 19 that spreads the radioactivity. So I don't know 2.0 how Holtec decides what is considered a 21 significant radiological emergency. 22 But considering that I'm like a 23 mile from the plant, I might have a slightly 24 different criteria for that. 25 MR. KACZMAREK: Ms. Williams, are

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2	you wrapping up?
3	MS. WILLIAMS: Yup. Last question.
4	The July 2023 questions that were asked, that the
5	answers were uploaded recently, they were mostly
6	non-answers, including instructions to call
7	Pilgrim ourselves and Google stuff for answers.
8	And I should hope, given that on
9	their own flyer they talk about our fleet, that
10	asking our Holtec questions about Holtec at
11	Pilgrim would get us an actual answer and not a
12	kiss-off to go call Pilgrim ourselves.
13	So I hope those questions will be
14	actually answered and the responses will be
15	amended so that, you know, we're not all calling
16	Pilgrim Holtec.
17	MR. KACZMAREK: Ms. Shapiro, who's
18	going to be followed by Michael Marks.
19	MS. SHAPIRO: Thank you for this
20	meeting tonight. I thought it was very
21	informative. And I want to thank all of our
22	elected officials, including the governor, for
23	doing everything to stop stop the dumping into
24	the river, and protecting our river in the region.
25	So thank you for that.

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2	I really want to thank you and
3	support Mr. Congdon and Mr. Sipos, trying to get
4	the N.R.C. to do the right thing, to actually
5	create some sort of decommissioning procedures
6	because they have backtracked on that.
7	They used to have them, they
8	abandoned them, and now there's this process in
9	place. So I really support your efforts to make
10	that happen. I doubt it will.
11	So in the meantime, I really feel
12	there's a serious gap. And that's why New York
13	State has and the D.O.B. has to stand up and be
14	the ones who really require procedures to be
15	followed and really ensure that there's
16	protection.
17	I was a little shocked after we saw
18	that slide about the 15 monitors, then to hear
19	that, oh, yeah, well, there's we're only going
20	to have four left. We're going to shut them down.
21	Who gets to make that decision?
22	Who's is it Holtec gets to make that decision?
23	Or New York State should be making that decision
24	to protecting our all of us? And are those
25	monitors only for air? Or are they also for

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2	water? And I I I really was a little
3	appalled to hear that.
4	So I do think that's one level of
5	where the state has to step in and really fill
6	this gap that the N.R.C. is not going to take.
7	I also agree with Mr. Lochbaum's
8	issues about the the minimal inspection, the
9	two one or two casks every five years.
10	And then we hear, oh, but that
11	doesn't start for 20 years. So what happens from
12	now to 20 years when we may have some problems
13	with these casks and nobody's monitoring them?
14	I think once again, New York State
15	has to say, no, that's not adequate. We need more
16	inspections. We need proper inspections. We need
17	transparency of inspections.
18	And what happens we heard that
19	the casks, if they drop at a certain height, can
20	be damaged. What about if there's an earthquake?
21	We know Indian Point is at the cross section of
22	two earthquakes. Earthquakes are happening more
23	often these days. There's a lot of world-changing
24	issues and nobody's really addressed that.
25	Then then we talked tonight

Page 130 9/21/2023 - Indian Point 1 2 Holtec told us tonight that they're going to be 3 using chemicals to clean various pipes and tubes. 4 What happens to those chemicals that are now 5 radioactive? What kind of chemicals are being Where are they getting stored or dumped? 6 used? 7 What -- what's the -- we need to follow along all 8 these different parts of this process. 9 very complicated process. 10 Where's -- and -- and once again, 11 as other people have said, we need to know what's in the effluent that is going to be then 12 13 supposedly cleaned or filtered before you do that. 14 So we know what we're talking about, what --15 MR. KACZMAREK: Fifteen seconds. 16 MS. SHAPIRO: -- chemicals are in 17 What -- what level of chemicals are in there? 18 This is the bottom of the spent fuel pool. there? 19 This is the dredges of spent fuel pool two that we 2.0 know has had problems for years and years and 21 years. 22 So once again, I ask that we -- New 23 York State, the D.O.H., the D.E.C., the Public 24 Service Commission, please stand up, and the 25 A.G.'s Office We have the right as a state to be

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2	the ones who have oversight over this process
3	because the federal government will not do it.
4	They've passed it on to the state. It's now in
5	our hands. Thank you.
6	MR. KACZMAREK: .
7	Mr. Marx? Following Mr. Marx is Bruce Given
8	and Nathan Plummer.
9	Is Mr. Given with us this evening?
10	Great. Mr. Given, if you'd like to come up to the
11	mic.
12	MR. GIVEN: Thank you. I've lived
13	in New York State all of my life. I've been
14	working with nuclear from 18 years old on. I'm
15	very worried you're going to Chicken Little
16	yourselves into a radiological disaster. You're
17	worrying about a lot of minutiae. You got to get
18	the cans into Yucca Mountain, and we're all safe
19	for 10,000 years.
20	Along the way, you're worried about
21	the water. Japan's dumping all the stuff of
22	Fukushima Daiichi into the Pacific. Nothing's
23	happened. You worry about Chernobyl. Well,
24	Chernobyl was a comedy of errors. Fukushima
25	Daiichi was a comedy of errors. We've learned a

Page 132 9/21/2023 -Indian Point 1 2 We make mistakes; we learn lot as human beings. 3 from them. You're crying over picocuries and 4 5 scratches and cracks in concrete. And as the gentleman said, it's a multipurpose container. Ιf 7 the outside cracks, you pick it up, put it in another container. If it's in Yucca Mountain, 9 nobody's going to be looking at it. Nobody's 10 going to be opening that can to look to see what's in it because it's going to be buried for 10,000 11 years and you're going to be a -- it's your 12 13 suicide if you want to go in there. You really -- you're worrying about 14 15 the wrong things. You're trying to decommission 16 the plant, not realizing as human beings, we've learned how to handle this stuff. It's not the 17 18 crisis you're making it out to be. So if you guys 19 want to walk -- dead walk into it, that's fine by 2.0 I'll be dead. I'm not going to live that 21 I don't care. But those cans have to be 22 moved to Yucca Mountain or our great grandchildren 23 are going to be in danger. 24 There has to be a final solution 25 provided by the federal government to fix that

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2	Yucca Mountain and open it up for the thousands
3	and thousands and thousands of spent fuel cans and
4	low-level radioactive waste that we need to park
5	somewhere until finally Mother Nature takes care
6	of it.
7	You're worrying about tritium.
8	Half-life is 12 years. There's so little tritium
9	left, why are you worrying about it? You're
10	worrying 60 years, 120 years. It's practically
11	gone. It's naturally occurring in the oceans,
12	comes down from sunshine.
13	You're worrying about radiation
14	from here.
15	I I I swear, you should all
16	go nude sunbathing in Florida to stoke up some
17	hard-core radiation from a thermonuclear furnace
18	we call the sun. Smoking a cigarette, we burn
19	coal for energy and nobody worries about the
20	radioactive ash falling out of the coal.
21	MR. KACZMAREK: Fifteen seconds.
22	MR. GIVEN: They're even talking
23	about mining uranium out of the coal. I think
24	we're looking at this through a microscope when we
25	need to step back and say, look, we need to get

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2	the cans out of here, get them to Yucca Mountain,
3	get them out of the Hudson Valley.
4	They have a design life of 110
5	years. Are you going to wait 110 years to find
6	out that the engineers were right? Or are you
7	going to get them out of the Hudson Valley as
8	quickly as possible, so it's not a problem
9	anymore?
10	MR. KACZMAREK: Mr. Given, are you
11	wrapping up?
12	MR. GIVEN: I'm done. Thank you.
13	MR. KACZMAREK: Thank you.
14	Before before Mr. Plummer
15	begins, Warren Smith and then Joseph Fordyce will
16	be following. Thank you.
17	MR. PLUMMER: Good evening. My
18	name is Nathan Plummer and I'm a resident of White
19	Plains, New York. I actually worked with Con Ed
20	for over 30 years and spent a little bit of my
21	time at Indian Point. And worked from primarily
22	at five eleven and all of it, had me down to 14th
23	Street, as well.
24	Long story short of why I'm here
25	and my team is here. Mr. Joshua Raderman

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9/21/2023 - Indian Point 1 2 Raderman is on our team, as well. We're here to 3 actually introduce remediation as an alternative 4 process to the wastewater dumping. We are not in 5 total opposition to Holtec, but we do believe that 6 we have an alternative means of remediating the 7 tritium. And we'd like for you to take a real serious look at what we're presenting. 10 it is, as Mr. -- as Josh had said, something that they're doing in other parts of the country. It 11 has been done, even at Chernobyl, and in Italy, 12 13 where they had an explosive accidental -- accident 14 at a machine -- it's a machine shop, whatever --15 it's an ammunitions machine shop. And they used 16 it and the residents at Italy are back in their 17 residence. And at Chernobyl, they are still using 18 it, the hemp, which is cannabis sativa to remediate the soil. 19 2.0 This is one of my associates, Mr. 21 Mike Reese, who will take up the rest of my time. 22 And I'll just --. 23 Thank you, Nathan. MR. REESE: 24 Michael Reese. I'm the retired president of 25 Pollution Control Industry in East Chicago,

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2	Indiana. I've done thousands of chemical
3	hazardous waste disposal facilities.
4	Nate asked me to look into the
5	dealing with the tritium water. I think there's
6	1,340,000 gallons of it. And Nate's approach to
7	this with this hemp product appears to be
8	something we should look at. And that's why we're
9	here. Thank you.
10	MR. KACZMAREK: Can you just state
11	your name again, sir?
12	MR. REESE: Michael Reese.
13	MR. KACZMAREK: Thank you.
14	MR. REESE: Retired President of
15	Pollution Control Industries in East Chicago,
16	Indiana.
17	MR. KACZMAREK: Thank you.
18	MR. REESE: Yeah.
19	MR. KACZMAREK: Mr. Smith?
20	MR. PLUMMER: Do I have time left?
21	MR. KACZMAREK: You have about 15
22	seconds if you want to take it.
23	MR. PLUMMER: In regards to the
24	total process of the remediation, it actually
25	takes the hemp, remediates the contaminants. Then

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2	there is a form application called pyrolysis.
3	They're using it in California. They are burning
4	it's not really a burning process. It's
5	actually a containment of a biomass and the
6	biomass, itself, is heated up to 1800 degrees in a
7	vacuum-sealed environment, so no contaminants come
8	out.
9	And they're using this right now to
10	produce electricity for the California Utility
11	Company. And the gentleman who actually
12	spearheaded it is Mr. Bill Reilly. We get some
13	time, maybe at another meeting, he will come in
14	and and speak, but his website information is
15	in the packet. I have two other packets.
16	MR. KACZMAREK: Thank you, sir.
17	MR. PLUMMER: I think I did send
18	some to some of the other participants here, but I
19	have two other packets that I can hand out this
20	evening. But I thank you for the time.
21	MR. KACZMAREK: Thank you.
22	MR. PLUMMER: Thank you so much.
23	MR. KACZMAREK: Thank you.
24	Warren Smith?
25	MR. SMITH: Hi. I'm Warren Smith.

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9/21/2023 - Indian Point 1 2 I'm a lifelong resident of Cortland. actually lived in the hamlet of Verplanck for my 3 entire life and -- which I think makes me -- I 4 5 think I live about the closest to the plant of anyone in this room, I'm pretty sure. We hang a 7 clothesline on the second dome there, reactor two, 8 basically. But what I've been listening to 10 tonight and over the past, I think I've been to 11 maybe three or four board meetings, is a great, 12 you know, conversation. And in that conversation, 13 we've got politicians, we've got professionals and 14 professional staff, and we have -- it seems like, 15 you know, our -- our resident nuclear expert, Dave 16 Lochbaum. 17 And from what I understand, there 18 was four different ways to get rid of this 19 tritiated water so we can proceed with 2.0 decommissioning the plant. We could do what 21 they've been doing for 60 years, which was release 22 it into the Hudson River. 23 We could evaporate it, which I was 24 told, I think Dave -- I don't know if you're still 25 on, but if I remember right, it was 700 times more

Page 139 9/21/2023 - Indian Point 1 2 dangerous than releasing it into the Hudson River. 3 We could store it into -- into tanks, which I think one of the conversations I 4 5 heard was like a 64% of a failure rate over 12 6 years of the tanks. 7 And then the last, but not least 8 was to ship it off to some other place. And that 9 was out of the -- out of the question because of 10 environmental injustice. 11 And what I noticed tonight was that the Riverkeeper's representative, Ms. Leung, and -12 13 - and Assemblywoman Levenberg were hanging on 14 every word that Dave, you know, in his 15 presentation and asking him questions. And you 16 guys seem to respect his -- his perspective and 17 his -- his experience. And from what I understand -- and 18 his recommendation was to release into the Hudson 19 2.0 River was the safest. That was following what I 21 would call the science, which is something that 22 I've heard a lot lately on T.V. I've been trying 23 to do myself. I'm a graphic designer. I'm not a 24 scientist in any way, shape, or form. 25 I would rely on these experts.

Page 140 9/21/2023 - Indian Point 1 2 So what I was wondering is, when 3 legislation was being drafted to stop that -- that 4 recommendation, what -- what you relied on for 5 your -- for your -- for your references -reference material in order to decide that that 7 was something that needed to be done? 8 we're following the science. That's really -- in 9 the end, I'm 60 years old. I just got a -- a new 10 -- a newborn granddaughter just over a week ago. And from what I'm hearing in this room, she's 11 going to be the one cleaning up the site 60 years 12 13 from now. 14 MR. KACZMAREK: Fifteen seconds. 15 MR. SMITH: And that really does 16 not sound like something that I want to see 17 happen. 18 One thing -- quick thing was the 19 tanks from what I understand, storing in the 2.0 tanks, they're not sealed. So my daughter, my 21 granddaughter, my children will be breathing the 22 evaporated water that's coming out of those tanks. 23 So it's really, the kind of -- I 24 really hope you guys are going to follow the 25 science, whatever the next step is. I don't know

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2	what it is, but I hope that it's well-researched
3	and that we're all going to be safe. And thank
4	you very much.
5	MR. KACZMAREK: Thank you.
6	Joseph Fordyce, are you with us
7	this evening?
8	MR. FORDYCE: How you doing how
9	you doing? My name is Joseph Fordyce and I'm
10	I'm here from Mount Vernon, New York. I'm a
11	member of this county, been so my whole life and
12	I'm I'm here in support of the team with Nathan
13	Plummer, bringing forth the phytoremediation.
14	I've had I've been I've had a
15	hemp company in this county for several years and
16	just to see that the possibility of being able to
17	use such an alternative, I think would be very,
18	very exciting and environmentally friendly in a
19	lot of different ways.
20	And I think whatever is needed to
21	investigate this should be done on Holtec's behalf
22	because, if possible, we should be looking at how
23	we're looking at a sustainable sustainable
24	alternatives, environmentally friendly
25	alternatives, especially doing something like

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2	decommissioning something so, you know, vital to
3	everyone. Thank you.
4	MR. KACZMAREK: Thank you.
5	So that concludes the public
6	statement portion of tonight's meeting. As was
7	mentioned earlier, there are a number of avenues
8	to submit comments, certainly at our meetings
9	during the public statement portions, but also
10	those available on the on your screen. The
11	links here are all also viewable on our website,
12	DPS dot NY dot gov, slash, Indian Point.
13	So with that, I turn it back to
14	you, Tom.
15	CHAIR CONGDON: Thank you.
16	Very good meeting. Thank you all
17	very much. Any last words by our members of the
18	D.O.B.?
19	Mayor Knickerbocker?
20	MS. KNICKERBOCKER: Yes, I'd like
21	to say something. First of all, I'd like to know
22	if Dave Lochbaum is still on the line?
23	CHAIR CONGDON: Dave, do we still
24	have you?
25	MR. LOCHBAUM: Yeah. Dave

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2	Lochbaum, still here.
3	CHAIR CONGDON: Great.
4	MS. KNICKERBOCKER: I have I
5	have a few questions Dave. I have attended
6	since the announcement of the closure in 2017,
7	I've attended every possible meeting in reference
8	to what was going to be happening to our
9	community. And just I just want you to
10	clarify, since you're an independent expert, the
11	half-life of tritium, I believe you said was 12
12	years?
13	MR. LOCHBAUM: Twelve point three
14	years, yes.
15	MS. KNICKERBOCKER: Okay. Because
16	there's there's been different numbers that
17	have been thrown out here tonight. So I just want
18	to take it from you that it's 12.3 years.
19	Also, I know you had done a very
20	wonderful presentation at one point on the storage
21	containers that are being recommended by people to
22	store the effluent. And when you had that
23	conversation or that presentation, you did mention
24	or if you want to if you want to speak now
25	on what your thoughts were about those storage

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2	containers, I know you explained how this what
3	the storage container vented you know, how it
4	vented.
5	So would you like to go over that
6	in your own words? Otherwise, I'll just do a
7	synopsis of it.
8	MR. LOCHBAUM: Yes, this is Dave
9	Lochbaum. When I looked at on-site storage of
10	contaminated water, I found that it's a
11	recurring problem is that the tanks leak. Either
12	they're overfilled because of faulty level
13	instrumentation. Vermont Yankee, for example,
14	fairly recently, dumped 140,000 gallons of water
15	into the Connecticut River, contaminated water.
16	Fukushima store has a lot of water.
17	Before they treated and released it to the
18	Pacific, it leaked out and found its way into the
19	Pacific.
20	Indian Point, on several occasions
21	in the past, has had storage tanks leak. February
22	of 2009, I believe it was, they had a 10,000-
23	gallon-a-day leak that they didn't discover for a
24	while.
25	And the result of that is the
1	

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2	tritium or the contamination gets into places it
3	shouldn't be in more concentrated or higher levels
4	of contamination than if you did what was done for
5	the last 60 years, treat and release it.
6	So therefore, the potential harm to
7	people who come into contact with that spilled or
8	leaked fluid is a greater hazard than doing what
9	was done for the last 60 years. That's why I
10	recommended treat and release, instead of taking
11	the gamble.
12	MS. KNICKERBOCKER: Okay. And then
13	you also said that it is vented through the top,
14	that the the container does need to be vented?
15	MR. LOCHBAUM: Yeah, there are
16	there are different ways of venting it. Some of
17	them are are passive. So only if
18	there's a differential pressure does the vent
19	valve open to allow air in or allow air out to
20	prevent the tank from imploding or exploding. But
21	it is over the life of the thing, it will leak.
22	Another system was to put a bladder
23	inside the tank to contain the fluid, but bladders
24	fail in about seven years. So it just delays the
25	leakage into the ground. It doesn't prevent.

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2	MS. KNICKERBOCKER: Thank you. So
3	listening actively during your presentation and
4	the conversations that have gone on, I and my
5	board felt, to protect the residents of the
6	village and let me let me first back up and
7	say this. We very clearly understand that what
8	happens on that property not only affects the
9	Village of Buchanan, but the community as a whole.
10	Okay. So we we understand that.
11	But being the mayor of the village, it is very
12	important I also protect our residents. Listening
13	to that, it is very clear that the storage of
14	water on-site in those containers is not
15	acceptable or is a viable alternative.
16	So not only the Village of
17	Buchanan, it will affect the other surrounding
18	communities, our neighbors in Verplanck, our
19	neighbors in Montrose, our neighbors in Peekskill.
20	It's not a viable alternative. So that is not
21	going to be an alternative.
22	I appreciate everyone's opinion
23	here of what to do on the site. I appreciate
24	that. I've listened with an open mind. But you
25	also have to understand we are residents of the

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2	Village of Buchanan. We have absolutely a right
3	to our own decisions and our own opinions.
4	I've respected yours. I've
5	listened to yours. But with the understanding of
6	what's happening with this, I went back to my
7	board and we did do a resolution that there will
8	not be or there'll be no permits given for
9	storage above or below ground on the 240 acres or
10	any parcel in the Village of Buchanan.
11	So what we have to do is find some
12	way to get rid of this water. And you might not
13	agree with me. You might be angry at me, but my
14	job is to protect the residents in the village.
15	And that is not a viable alternative.
16	So I I speak to some of the
17	speakers tonight, the gentleman that said, you
18	know, we'll go to the the spent fuel.
19	Yes, the federal government, the
20	D.O.E., has promised to find a permanent
21	repository. That's on them. So you know, we have
22	all these activists here. Time to get after the
23	feds. Because yes, that property that should
24	be taken off of the property also.
25	Going back to the water, you know,

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2	I I'm hearing another alternative here. Maybe
3	it's a possibility. I don't know. I'm not a
4	scientist. All I know from the information I
5	heard, that is not what we need to do is put those
6	containers on that property. It vents.
7	And Dave, I believe you said that
8	when it vents, whatever is in there could
9	potentially be on the ground as it vents. So it
10	just makes common sense that's not that's not a
11	viable alternative.
12	So we're going to disagree on
13	things, but this is one thing the Village of
14	Buchanan feels very strongly about. The Village
15	of Buchanan hasn't been considered here.
16	Unfortunately, we're hearing do this on the
17	property, do that on the property. Well, what do
18	the residents of the village think? What do they
19	want?
20	You know, so let's let's work
21	together. Let's not, you know, say this is what
22	the alternative this is what we're doing.
23	That's not acceptable to the village. So I'm very
24	sorry, but
25	UNIDENTIFIED SPEAKER:

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2	(unintelligible).
3	MS. KNICKERBOCKER: That's been
4	yeah yeah. That's but this we're
5	talking about the water. We'll talk about so
6	I'm in agreement with you. We can find a
7	permanent repository. I'm good.
8	MR. O'BRIEN: Hold on. That is
9	heat alone. There is nothing else that vents out
10	of those.
11	MR: BURRONI: You have to understand
12	the science behind and the construction of the
13	casks. It's heat removal from the casks,
14	themselves.
15	UNIDENTIFIED SPEAKER:
16	(unintelligible interruption from audience).
17	MR. BURRONI: I know this would be
18	my last point.
19	CHAIR CONGDON: Okay. Go ahead.
20	MR. BURRONI: Can I just say a couple of things?
21	CHAIR CONGDON: Yeah.
22	MR. BURRONI: All right. Thank you
23	very much. So from a from a transparency
24	perspective, right, Kelly Turturro, her
25	department, and Holtec, we worked exclusively on
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Page 150 9/21/2023 - Indian Point 1 2 an M.O.U., right, before we would release anything 3 to the river. And that M.O.U. required split 4 samples to look at every radionuclide, right, 5 including stuff that we would do from a SPDES permit, which were boron and lithium and some 6 7 other -- some other things. 8 We're fully transparent. I had no 9 Then there was an issue about, issue with that. 10 well, what are you going to do with strontium if 11 it takes longer? I would have waited. There was a 12-day wait period before we would release the 12 13 tanks anyway. It's all in the M.O.U. 14 So I would ask -- and I don't know 15 why you're laughing, but I would ask that you go 16 to the website, read the M.O.U., read the stuff 17 that we're trying to do, right, and then if you 18 have a comment on that, please come and see me. 19 We were fully transparent on what 2.0 we wanted to release to the river. And it was a 21 split sample. I had nothing to do with anything 22 that the state saw from the sample. 23 Kelly, you can back me up. 24 don't? 25 MS. TURTURRO: Well, the state

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2	signed an M.O.U. with Holtec, yes, D.E.C. and
3	D.O.H. to undertake split sampling.
4	MR. BURRONI: Right. So I have no
5	problem looking at what we were to release. And
6	if you want to look at what we want to what's
7	in the pool now, we could do that also. Okay. So
8	that's an issue, right? So just ask us instead of
9	making accusations.
10	MR. SIPOS: Excuse me excuse me.
11	I would like to have some order here. I'd like to
12	have some order so that the court reporter can
13	take down what Mr. Burroni
14	MR. BURRONI: Thank you
15	MR. SIPOS: and Ms. Turturro are
16	saying. People were able to speak tonight and
17	speak their piece and they were not interrupted.
18	And I would ask, following Senator Harckham's
19	suggestion, that we all be polite and considerate
20	with the people.
21	Mr. Burroni is trying to express an
22	idea. Ms. Tuturro was making a point. Let's let
23	our fellow New Yorkers speak and have their say
24	just like others were allowed tonight. Thank you.
25	MR. BURRONI: And unfortunately, I

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2	raised my voice. So I'll apologize for that. All
3	right. So but but but my point is this, is
4	we had no problem doing a split sample with the
5	state and verifying what we would have discharged
6	to the river was well was well within any
7	limits. We had no problem with that.
8	Second thing, the Reuters-Stokes
9	monitors, again, were monitors, right. With the
10	fuel in the casks, right, there's just not enough
11	energy that we need the Reuters-Stokes a mile out
12	of the property.
13	What I did, I volunteered to help
14	the community program is to leave the four in
15	service on Broadway in case anybody was worried
16	about what would happen to the B.V. school. I
17	didn't have to do that. I thought it was a nice
18	gesture.
19	And it gets turned around like it's
20	a negative. I just don't understand that.
21	UNIDENTIFIED SPEAKER:
22	(unintelligible)
23	MR. BURRONI: Why do I need them?
24	There isn't enough energy for them to see. That's
25	the point you need to understand.

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2	UNIDENTIFIED SPEAKER:
3	(unintelligible)
4	MR. BURRONI: There's never been a
5	breach to any of the any of the casks that
6	Holtec has developed.
7	MR. O'BRIEN: And to that point,
8	they are regular
9	MR. BURRONI: Yes.
10	MR. O'BRIEN: and to that point
11	they are regularly surveyed by the R.P.
12	department, monthly. So if you would notice a
13	difference in any radiation level, it would be
14	known at the cask first.
15	CHAIR CONGDON: I'm going to just
16	seek to wrap this up, but I encourage anyone if
17	you want to stick around in the room and engage
18	and talk some more, then you're welcome to do so.
19	Nancy, we've had the public
20	statement.
21	MS. VANN: I just wanted to have a
22	question for Mr. Lochbaum since this is new
23	information that we've just gotten that we weren't
24	able to comment on in the public comment period
25	that

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2	CHAIR CONGDON: Nancy
3	MS. VANN: that there these
4	cans
5	CHAIR CONGDON: Nancy
6	MS. VANN: would leak.
7	CHAIR CONGDON: Nancy, we
8	MR. SIPOS: Excuse me, Tom is
9	trying to respond to what is occurring here.
10	CHAIR CONGDON: Yes. Nancy, we
11	MR. SIPOS: So I would ask if you
12	would let Mr. Congdon, who's the chair, to control
13	this meeting. We had a public statement.
14	MS. VAAN: Yes. I'm just asking
15	him if I could ask.
16	MR. SIPOS: Now, please, excuse me.
17	My colleague, Tom Congdon, wishes to speak.
18	CHAIR CONGDON: It's okay.
19	MS. VAAN: Yeah.
20	CHAIR CONGDON: It's all right
21	it's all right, Nancy.
22	Look, we've we've we've
23	provided how we can take additional comments and
24	questions. We will answer the question. I can
25	follow up with you after the meeting. I'm trying

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2	to wrap up the meeting.
3	You have a question for Dave.
4	We'll answer it. I'll follow up with you
5	immediately after the meeting and we'll get you
6	the answer.
7	MS. VAAN: Well, we are still early
8	with wrapping up the meeting. I just have one
9	question today. I'm just asking
10	CHAIR CONGDON: Dave, would
11	you entertain a quick question?
12	MR. LOCHBAUM: Sure, I'd be glad
13	to.
14	CHAIR CONGDON: Okay. Go go
15	ahead.
16	MS. VAAN: The question is we've
17	heard from Dave about how safe, and from Holtec
18	about how safe the casks and canisters are. And
19	now we're hearing how dangerous the pools are.
20	My question is how can you make
21	100% safe casks and canisters for this highly
22	radioactive spent fuel, but not be able to make
23	pools that don't leak the water that is also
24	radioactive? That's my question today, and to
25	Holtec.

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2	CHAIR CONGDON: Go ahead, Dave.
3	MR. LOCHBAUM: I don't know. I
4	think I think the problem is this when the
5	if you've ever paid a nickel for an overdue
6	library book, you've paid a nickel more than the
7	N.R.C. has ever fined anybody for spilling
8	millions of gallons of contaminated water here,
9	there, and everywhere.
10	Because there's no sanction for
11	doing wrong, there's no incentive for getting it
12	right. If there was a sanction for leaking water,
13	we would have tanks that didn't leak. But since
14	there's not, there's not.
15	MS. VAAN: Thank you very much.
16	Thank you.
17	CHAIR CONGDON: Okay. I would like
18	to just have a closing closing observations and
19	then we're going to wrap up.
20	And Rich, you're you're
21	you're welcome to to hang out and have a few
22	more conversations.
23	MR. BURRONI: I just have one last
24	thing.
25	MR. SIPOS: One last thing.

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2	CHAIR CONGDON: And then I'm going
3	to wrap up.
4	MR. BURRONI: Courtney, if somebody
5	told you to call Pilgrim, I apologize for that.
6	MS. WILLIAMS: It's in there.
7	MR. BURRONI: All right. And so
8	let me know what it is and we'll get you the
9	answer. That's all I have.
10	CHAIR CONGDON: Thank you.
11	And Victoria, one last comment?
12	MS. LEUNG: Sorry, I missed the
13	opportunity earlier. I just want to restate
14	Riverkeeper's great thanks to Assemblywoman
15	Levenberg, to Senator Harckham, to Governor
16	Hochul, to all the community members that
17	advocated for the Save the Hudson bill.
18	And Riverkeeper still stands
19	strongly behind on-site storage for the tritiated
20	water. Thank you.
21	CHAIR CONGDON: Thank you. And I
22	think I'm
23	MS. KNICKERBOCKER: Well, we have
24	a difference of opinion. That's all.
25	CHAIR CONGDON: Mayor mayor,

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2	your comments at the end and and the follow-up,
3	I obviously there's a lot more discussion to
4	continue to be had with respect to the wastewater.
5	We look forward to hearing the
6	results of Holtec's analysis of options. And
7	there will be more discussion at future D.O.B.
8	meetings of that subject.
9	And we respect all of the opinions
10	and and and voices on the matter. So I
11	appreciate everyone's participation tonight. Our
12	next meeting is on December 6th. We thank
13	everyone for their attendance. And safe travels
14	tonight. Thank you.
15	(The meeting adjourned at 8:55
16	p.m.)
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     STATE OF NEW YORK
 3
     I, ANNETTE LAINSON, do hereby certify that the foregoing
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     was reported by me, in the cause, at the time and place,
5
     as stated in the caption hereto, at Page 1 hereof; that
     the foregoing typewritten transcription consisting of
 6
7
     pages 1 through 157, is a true record of all proceedings
8
     had at the hearing.
9
                   IN WITNESS WHEREOF, I have hereunto
     subscribed my name, this the 28th day of September, 2023.
10
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     ANNETTE LAINSON, Reporter
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