



**Department of
Public Service**

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

Public Service Commission

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September 23, 2022

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 September 22, 2022 Indian Point Closure Task Force and Indian Point Decommissioning Oversight Board Meeting Presentation. Should you have any questions regarding this filing, please contact me. Thank you.

Respectfully submitted,

Tom Kaczmarek
Executive Director
Indian Point Closure Task Force
Indian Point Decommissioning Oversight Board



Indian Point Decommissioning Oversight Board

Joint Meeting

Indian Point Closure Task Force and Decommissioning Oversight Board

September 22, 2022 | 6:00 PM
Cortlandt Town Hall | Zoom

Meeting Logistics

- In-person panelists: **use mic when speaking.**
- All virtual panelists are **muted** upon entry.
- The public forum will begin immediately following the emergency preparedness and community speaker presentations.
- Public participants who submitted timely questions ahead of July 27, 2022 meeting will be given first priority; other questions accepted if time allows.
- Staff will unmute public participants when it is your turn to speak.
- Zoom participants: please reserve the “Chat” feature for reporting technical issues (e.g., audio visual issues).



Membership

State Representatives

- Mike Mastroianni, Assistant Secretary for Education
- Senator Peter Harckham
- Assemblywoman Sandy Galef
- Tom Congdon, Department of Public Service
- John Sipos, Department of Public Service
- Tom Kaczmarek, Department of Public Service
- Kelly Turturro, Department of Environmental Conservation
- Jeff Guynup, Department of Labor
- Mark Pattison, Department of State
- Mark Massaroni, Department of Taxation and Finance
- Jennifer Wach, Division of Homeland Security and Emergency Services
- Tom Scaglione, Empire State Development
- Joe Leary, New York Power Authority
- Alyse Peterson, New York State Energy Research and Development Authority

Environmental and Technical Experts *(DOB only)*

- David Lochbaum, Nuclear Engineer (ret.)
- Richard Webster, Riverkeeper

Local Representatives

- Rich Becker, Supervisor, Town of Cortlandt
- Theresa Knickerbocker, Mayor, Village of Buchanan
- Susan Spear, Deputy Commissioner of Emergency Services, Westchester County
- Catherine Borgia, Westchester Co. Board of Legislators
- Colin Smith, Westchester Co. Board of Legislators
- Joseph Hochreiter, Superintendent, Hendrick Hudson School District

Labor Representatives

- Lou Picani, President, Teamsters Local 456
- Bill Smith, Vice President, Utility Workers Union of America Local 1-2
- Thomas Carey, President, Westchester Putnam Central Labor Council



Agenda

- Welcome
- Emergency Preparedness
- Community Presenter
- **Emergency Preparedness Public Forum**
- Decommissioning Air Monitoring
- Next Steps and Adjourn



Emergency Preparedness, Management, & Response



**Indian Point
Decommissioning
Oversight Board**

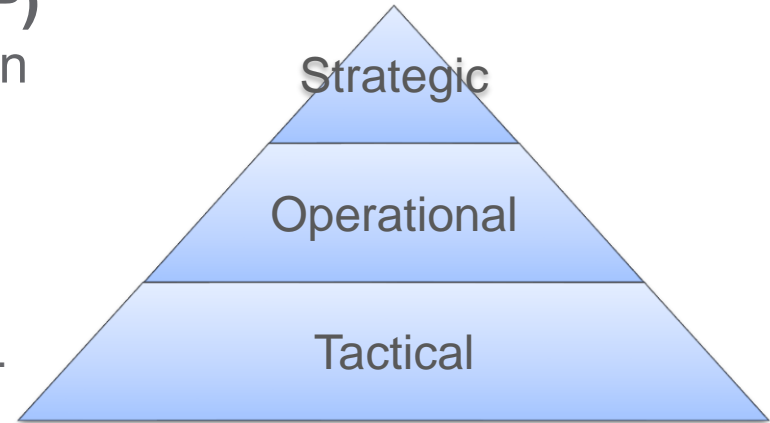
Topics for Discussion

1. Overview of Emergency Operations Planning
2. Response Coordination & Entities
3. Public Information and Notice
4. Trainings and Exercises
5. Public Preparedness
6. Risk Profile at Indian Point
7. Key Takeaways



Emergency Operations Plans

- An **Emergency Operations Plan (EOP)** is an organization's or community's plan for responding to a variety of potential hazards.
 - Plans are flexible and adaptable to actual situation.
 - Base plans, functional and hazard annexes.
- Type and scope of plans activated determined by:
 - Type of event and risk profile.
 - Scope and scale of actual/potential impacts.



Emergency Response Coordination

- Emergencies start and end locally.
- Planning/plans:
 - Identify departments/agencies designated to perform activities and functions.
 - Direction, control and communication.
 - Alert, notification and dispatch of emergency personnel.
 - Warning/providing information to the public.
 - Protect residents and property.
 - Request mutual aid/support.
- Roles & Responsibilities
 - Local (e.g., fire, law enforcement, emergency medical services)
 - County
 - State
 - Federal



Overview of Emergency Response



*For illustrative purposes only. Response tailored to the nature of the incident.



Emergency Response Entities

Entities that *could** respond to an incident include:

- Property/Facility (e.g., Holtec, Enbridge).
- Local responders & Village/Town government (e.g., law enforcement, fire service, EMS).
- Westchester County (e.g., county police, emergency services, health).
- New York State agencies (e.g., State Police, Environmental Conservation, Health, Public Service, Homeland Security & Emergency Services, NYSERDA).
- Federal agencies (e.g., NRC, FEMA)

*dependent on factors such as type, scale, location, duration of emergency



Public Information and Notice

Sign up for notifications

- CodeRED: Text “Cortlandt” to 99411
- Buchanan: <https://villageofbuchanan.com>
- Westchester: <https://westchestercountyny.onthealert.com>
- NY-Alert: <https://alert.ny.gov>

Alert and warning

- Emergency Alert System (EAS)
- Wireless Emergency Alerts (WEA)
- NOAA Weather Radio
- Indian Point siren system - Emergency Planning Zone (EPZ) – 10-mile radius*
**long, high-pitch siren not to be confused with fire department siren*



Preparedness Training & Exercises

Training

- Build or sustain knowledge, skills and abilities for responding entities.

Exercising EOPs:

- Emergency simulations to practice plans and identify improvements.

Training & Exercise Participants:

- Facility emergency response / Security Teams
- Relevant critical infrastructure operators, when appropriate
- Local first responders
- County, State & Federal agency responders
- Hospitals



Recent/Upcoming Preparedness Activities

- NYS OFPC, Westchester DES, Local Fire Departments, and EMS agencies met with Holtec to review response procedures and clarify appropriate contacts (Mar. 2022)
- Holtec Indian Point security drills: observed by NRC (Apr. 2022)
- Full-volume siren test and Emergency Alert System (EAS) (Quarterly)
- Holtec and offsite fire agency annual Indian Point drill with Verplanck Fire District (May 2022)
- Enbridge pipeline safety and incident response briefing for local and county first responders, Holtec (July 2022)
- Enbridge pipeline tabletop exercise: Tabletop drill facilitated by Enbridge; Holtec, state, county, and local emergency responders (Fall 2022)
- Indian Point radiological emergency preparedness exercise: Holtec, counties, State, FEMA, and NRC (Nov. 2022)



Community preparedness

Prepare yourself and your loved ones:

- FEMA's Ready.gov <https://Ready.gov>
- Westchester Department of Emergency Services
<https://emergencyservices.westchestergov.com>
 - Severe weather, hurricane and Indian Point preparedness
- New York State Division of Homeland Security & Emergency Services
<https://www.dhses.ny.gov/safety-and-prevention>
 - Safety & Prevention – learn about and plan for emergencies
- Indian Point website:
<https://holtecinternational.com/company/divisions/hdi/our-fleet/indian-point/>
- Enbridge Interstate Gas Transmission Pipeline:
<https://www.enbridge.com/projects-and-infrastructure/public-awareness/brochures>



Risk Profile at Indian Point

- Significant decrease with fuel out of reactors in 2020, 2021
- Risk lessens as more fuel is cooled and transferred to ISFSI
- Less still when all fuel is in dry cask storage (proj. Q4 2023)
- Plans evolve with each new phase of decommissioning
- Evacuation order highly unlikely
- Pipeline risks reduced with enhanced mitigation measures required by NYS in May 2021 Joint Proposal with Holtec, enhanced communications and pipeline crossing protocols with Enbridge, MOU signed in April 2022



Holtec Fire Protection Plan

Decommissioning Plan for Fire Protection Program (FPP)

- Holtec submitted FPP to NYS for review in September 2021.
- NYS requested additional information, including details regarding Holtec's preparedness for and responding to incidents involving interstate gas transmission pipelines. Westchester Department of Emergency Services (DES) and Local Fire Departments also commented on FPP
- NYS OFPC, Westchester DES, Local Fire Departments, and EMS agencies met with Holtec in March 2022 to review response procedures and clarify appropriate contacts



Holtec Exemption Request and LAR

Permanently Defueled Emergency Plan (PDEP)

- Holtec submitted exemption request and license amendment request (LAR) for PDEP would:
 - Decrease offsite emergency planning activities (eliminates the Site Area Emergency and General Emergency event classifications);
 - Reduce scope of onsite emergency planning.
- NYS opposes changes to emergency planning and cybersecurity protocols until all fuel on ISFSI
- NRC decision anticipated January 2023
- Public comments may be sent to:

Shaun Anderson, Branch Chief
NRC Reactor Decommissioning Branch
Division of Decommissioning, Uranium Recovery, and Waste Programs
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001



**Indian Point
Decommissioning
Oversight Board**

Key Takeaways

- With Indian Point's decommissioning, radiological risk and potential for associated evacuation potential continue steep decline.
- Emergency response entities plan, train and exercise together.
- Type of emergency and actual/potential impacts inform decisions and actions taken.
- Public communications will be clear and direct when needed
- Emergency preparedness guidance available to the public.
- NYS advocating for Holtec, NRC to maintain strong on-site emergency preparedness.



DOB Discussion

Community Presenter



**Indian Point
Decommissioning
Oversight Board**

Public Forum



**Indian Point
Decommissioning
Oversight Board**

Public Forum Logistics

- Public Forum will be organized by topic area.
- Pre-submitted questions will be read aloud for DOB members and guest panelists to respond; the moderator will then afford questioners an opportunity to reply or request further clarification.
- In order to afford all individuals an opportunity for questions to be heard, the moderator may ask that some discussions be paused until future meetings.
- Time permitting, additional questions received over last week will be addressed
- The public forum will conclude at 8:15 pm. Questions not addressed during the meeting will be answered in writing.



Public Forum – Emergency Preparedness

1. Planning and Preparation
2. Trainings and Drills
3. Outreach and Communications
4. Additional Questions (time permitting)



EMERGENCY PREPAREDNESS

PLANNING & PREPARATION (1 of 2)

- *In an emergency, who will be in charge?” Susan Leifer*
- *“Will DPS and the DOB be advocating for leaving robust emergency planning in place for as long as the irradiated spent fuel is co-located with the Algonquin Pipeline system?” Courtney Williams*
- *“Is Holtec using the survey sent out last year for emergency planning? If so, what have they done to correct deficiencies in the survey (i.e., reach people who don't have computers, reach Spanish language speakers and speakers of indigenous languages that make up a large portion of those in the 10mile radius)?” Courtney Williams*



EMERGENCY PREPAREDNESS

PLANNING & PREPARATION (2 of 2)

- *“At Indian Point what and who is in place in the event of an incident caused by human error, failure of equipment, natural disaster, or malicious acts to either the Enbridge gas lines and/or Decommissioning of Indian Point with Holtec?”*
Susan Leifer
- *“The emergency response plan as I heard last stated assumed that the employees of the plant would take the lead in an emergency response. What would happen if the emergency is of such a nature that they could not do this? Who would take charge of the response?”* John Sullivan



EMERGENCY PREPAREDNESS

TRAININGS & DRILLS

- *“There has never been an emergency drill held by Westchester County OEM and relevant state and federal agencies to prepare for any incident involving the pipeline and plant. Will Susan Spear, Westchester County and DPS commit to holding such a drill? How can this community be repeatedly told that there's nothing to worry about when nobody have ever run a drill?”* Courtney Williams



EMERGENCY PREPAREDNESS

OUTREACH & COMMUNICATIONS

- *“What kind of Outreach and Training will be initiated for emergencies? How does a Westchester Resident know what to do to protect themselves in an emergency? What will be done to prepare in advance for everyone regardless of their language, computer, or physical skills? We need clear, consistent emergency information for safety. How will you ensure this?”*
Sally Jane Gellert, Susan Leifer



ADDITIONAL QUESTIONS

TIME PERMITTING



Decommissioning Air Monitoring



**Indian Point
Decommissioning
Oversight Board**

Monitoring Working Group Background

- The School Monitoring Working Group (Working Group) was established at the first meeting of the DOB in June 2021.
- Goals:
 - Develop a better understanding of potential environmental and health risks that decommissioning could present to Buchanan-Verplanck Elementary School;
 - Assess monitoring best practices; and
 - Issue recommendations to the Hendrick Hudson School District.
- Working Group has met eight times to discuss and learn about monitoring protocols.



Monitoring Working Group Background

- At October 2021 DOB meeting, independent technical expert Dave Lochbaum presented on the Working Group's initial findings and recommendations for path forward. Key takeaways include:
 - The likelihood of contaminants reaching school is extremely low but monitoring can provide assurance to the community;
 - Current real time radiological monitors remain in place until spent fuel transfer is complete (expected in late 2023).
- A monitoring program for the BV school and community should be in place ahead of heavy demolition activities (expected in late 2023).
- A \$500,000 grant secured for monitoring.



Monitoring Working Group Background

- In Jan. 2022, Columbia University Professor Jonathan Hollander proposed an educational exercise for students to offer monitoring suggestions to the Working Group.
- May 19, 2022 student presentation focused on three alternatives:
 - Maintain existing monitoring equipment and protocols;
 - Purchase additional real-time particulate matter and volatile organic compound monitors to be located at the school (recommended by students); and
 - Purchase additional real-time particulate matter, volatile organic compound, and radiation monitors to be located at the school
- Technical experts have provided peer review of ambiguities and inaccuracies in the written report
- The Working Group awaits a final report from Columbia Professor Hollander.



Existing Monitoring and Safeguards

- All demolition work is subject to:
 - Local demolition permits requiring dust mitigation;
 - State environmental regulations;
 - Strict workforce safety standards:
 - Testing for presence of asbestos, lead, other contaminants before structures taken down;
 - Contaminants trigger specific disposal, monitoring, and worker safety standards
 - Workforce safety standards serve as first and most accurate line of detection for school and community.
 - On-site NYS inspector monitoring work.



Existing Monitoring and Safeguards

- Network of radiological monitors:
 - On-site;
 - On workers; and
 - 16 around the site perimeter, including two near the BV school.
- On-site dust control measures and off-site dust complaint reporting and investigation procedures are required through Village demolition permits.
 - Fugitive demolition dust must not leave site.
- Identical/Comparable measures are in place to prevent hazards to workers and the public that are used at seven other nuclear plants during decommissioning activities.



Technical Advice from Experts

- On-site continuous air monitors in immediate vicinity of demolition activity offer the most timely and beneficial information to protect the community:
 - Provide early warning and near real-time results.
- Monitoring beyond fence line may not be as useful:
 - Greater potential for interference from background readings.
 - More difficult to determine source.
 - Account for long-range transport of pollutants to the monitors.



Heavy Demolition

- What is it?: The demolition of concrete buildings with thick walls, specifically the spent fuel pool buildings, turbine buildings, and domes
- Timing: Late 2023 at the earliest, after:
 - All spent fuel transferred to dry cask storage and
 - Vessel segmentation within the containment domes under water and under negative pressure is complete.



Recommendations and Next Steps

The Working Group recommends that a Community Air Monitoring Plan (CAMP) be developed.

Next Steps:

1. Contracting Entity: New York State on behalf of the DOB
2. Issue request for proposals (RFP) to procure environmental consulting services to develop a CAMP with primary focus on fence-line monitors.
 - RFP will also include potential substances of concern:
 - Radioactive materials
 - Non-radiological particulate exposure resulting from demolition activities
 - On-site meteorological monitoring to account for upwind and downwind contributions
 - Include plan for BV school and take into account baseline normal activity picked up by monitors.
3. State assembling Technical Expert Panel to support RFP and assess proposals for the CAMP.



Recommendations and Next Steps

Target Completion	Action
November '22	RFP Solicitation
January '23	Proposal Deadline
March '23	Proposal Selection
April '23	Initiation of contract
June '23	CAMP developed
December '23	CAMP operational



DOB Discussion

Other Ways To Comment

Internet: <http://www.dps.ny.gov>

- Click “Indian Point Closure Task Force/Decommissioning Oversight Board”
- Click “Post Comments”

E-mail: Secretary to the Commission
(secretary@dps.ny.gov)

Mail:

Hon. Michelle Phillips, Secretary
Public Service Commission
Three Empire State Plaza
Albany, New York 12223-1350

Toll-Free Opinion Line:

1-800-335-2120

- Press “1” to leave comments
- Mention matter #21-01188, “Indian Point Task Force/Decommissioning Oversight Board”

Sign Up For Updates

Go To: <http://www.dps.ny.gov>

- Click “Indian Point Closure Task Force/Decommissioning Oversight Board”
- Click “Subscribe To Service List”

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Department of Public Service

Electric Natural Gas Steam Telecommunications Water Search Help Login

Post Comments **Subscribe To Service List** Request For Party Status

- Matter Master: 21-01188

Matter Number:	21-01188	Case Number:	
Industry Affected:	Miscellaneous	Company/Organization:	New York State Department of Public
Matter Type:	Petition	Matter Subtype:	Non-Standard
Title of Matter/Case:	In the Matter of the Indian Point Closure Task Force and Indian Point Decommissioning Expand	Related Matter/Case No:	
		Assigned Judge:	

NEW YORK STATE

Services News Government Local

Department of Public Service

Electric Natural Gas Steam Telecommunications Water Search Login

GOVERNOR CUOMO ANNOUNCES ESTABLISHMENT OF NEW YORK STATE INDIAN POINT CLOSURE TASK FORCE AND INDIAN POINT DECOMMISSIONING OVERSIGHT BOARD

Indian Point Closure Task Force/Indian Point Decommissioning Oversight Board

What's Trending...

Electric

- Indian Point Closure Task Force
- National Grid Electric Rate Case (17-G-0229)
- NYSEG and NYSEG March 2017
- Electric System Outage & Restoration

Natural Gas

- National Grid Gas Rate Case (17-G-0229)
- Converg Natural Gas Rate Case
- National Grid NY Gas Rate Case
- National Fuel Gas Rate Case

Generation Siting

- Baron Wind
- Bull Run Wind
- Crosslake Wind
- Eight Point Wind
- Gallop Island Wind

Visit the DOB Website

<http://www.dps.ny.gov/indianpoint>

- Decommissioning Updates
 - Schedule of Meetings
 - Meeting Materials
 - Document Library
- Federal comment opportunities
 - FAQs
- and more!

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Indian Point Decommissioning Oversight Board

NEW YORK STATE

Indian Point Decommissioning Oversight Board

About the DOB Meetings & Events Whistleblower Hotline Document Library How to View Documents, Submit Comments, and Receive Updates FAQs

Welcome to the Indian Point Decommissioning Oversight Board website. This site will provide information on upcoming meetings, reports, correspondence, and other key information related to the work of the Decommissioning Oversight Board.

Indian Point Tip Line

DPS Tip Line Info

- www.dps.ny.gov/iptips
- Email: IP.Tips@dps.ny.gov
- Phone: 518-486-1487
- [Webform](#)

The screenshot shows the 'Indian Point Whistleblower Process' page on the New York State Department of Public Service website. The page includes a navigation menu with links for Services, News, Government, and COVID-19 Vaccine. Below the navigation, there are links for Meet the Commissioners, Electric, Natural Gas, Steam, Telecommunications, Water, and Search. The main content area is titled 'Indian Point Whistleblower Process' and contains the following sections:

- Disclaimer:** This webpage describes how an employee or subcontractor can raise a concern about potential wrongdoing occurring at, or related to, Indian Point. Filing a complaint to DPS as described below does not automatically grant whistleblower status. Please see below for further information.
- Oversight Authority:** Under Public Service Law, the New York Public Service Commission possesses general supervisory powers over electric plants, systems, structures, fuel and waste storage facilities, and fixtures and personal property. This includes Indian Point.
- Role of the Commission:** The Public Service Commission, through its administrative agency the Department of Public Service, conducts investigations of violations of Public Service Law.
- Why Is It Important to Raise a Concern?** The Department encourages persons to raise concerns of potential violations occurring at a facility by its owner, operator, employees, or subcontractors. Such concerns encompass health, safety, security, legal, financial, accounting, engineering, environmental, and policy matters. To raise a concern of public interest supports the submission of such reports which provide an opportunity to address conditions that can pose a threat to the public.
- How Do I Raise a Concern?** You can raise a concern in the following ways:
 1. Through the DPS website by clicking here.
 2. By E-mail: Send e-mail to: IP.Tips@dps.ny.gov
 3. By Calling the Tip Line: 518-486-1487
 4. Through US Mail: New York State Department of Public Service, Office of Investigations and Enforcement, 3 Empire State Plaza



**Indian Point
Decommissioning
Oversight Board**

Next Steps

**Next Meeting
December 7, 2022**



**Indian Point
Decommissioning
Oversight Board**

Meeting Adjourned



**Indian Point
Decommissioning
Oversight Board**