



**Department
of Public Service**

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

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June 15, 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 June 15, 2023 Indian Point Decommissioning Oversight Board meeting presentation. Should you have any questions regarding this filing, please contact me. Thank you.

Respectfully submitted,

A handwritten signature in blue ink that reads "Tom Kaczmarek".

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

June 15, 2023 | 6:00 PM
Buchanan Village Hall | Zoom

Board Members in Attendance

State Representatives

- Senator Peter Harckham
- Assemblywoman Dana Levenberg
- Tom Congdon, Department of Public Service
- John Sipos, Department of Public Service
- Tom Kaczmarek, Department of Public Service
- Kelly Turturro, Department of Environmental Conservation
- Alex Damiani, Department of Health
- Rachel Adler, 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
- Alyse Peterson, New York State Energy Research and Development Authority

Environmental and Technical Experts

- 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

Labor Representatives

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



Meeting Logistics

- In-person panelists: **Use mic when speaking.**
- Panelists joining by Zoom: Keep mics **muted** unless speaking.
- For Zoom participants:
 - Please reserve the “Chat” feature for reporting technical issues (e.g., audio visual issues). Only questions captured in “Q&A” field are able to be saved for review.
- All panelists and participants: **Indicate your name before speaking.**



Welcome

Community and Environmental Fund

- **Contract Signed:** \$250K for Plumbers and Steamfitters Local 21 for welding training
- **Contract Signed:** \$500K for environmental assessment at BV Elementary
- **In Process:** Sewer Project Inter-municipal agreement reached; \$250K adjustment



Agenda

- Welcome
- U.S. Nuclear Regulatory Commission
 - Radiological Limits
 - Enforcement and Oversight
- Water Removal
 - Options Analysis
 - Independent Sampling Protocol
- State Oversight
- Holtec Operational Update
- Next Steps and Adjourn



Radiological Limits



Bruce Watson
U.S. Nuclear Regulatory Commission



**Indian Point
Decommissioning
Oversight Board**

Enforcement and Oversight



Tony Dimitriadis
U.S. Nuclear Regulatory Commission

Water Removal

Dave Lochbaum
Independent Technical Expert



Alex Damiani
NYS Department of Health



Independent Sampling Protocol

New York State entered into an agreement with Holtec outlining a protocol for sampling radiological and non-radiological effluent from the Indian Point facility.



Independent Sampling Protocol

What effluent will be sampled?

- Two samples will be taken from each source listed below:
 - Unit 2 and Unit 3 Spent Fuel Pools (SFPs)
 - Unit 2 and Unit 3 Reactor Cavities
 - Unit 2 and Unit 3 Refueling Water Storage Tanks (RWSTs)

and

- Samples will be taken from each of the following locations at a variety of intervals:
 - The Site's Discharge Canal and
 - The Roseton control location



Independent Sampling Protocol

How will the sampling occur?

- Effluent is treated and transferred to the Liquid Waste Processing Systems and is processed for release to the Discharge Canal.
- For each source, the first sample will be taken after the effluents are processed but before discharge.
- The second sample will be taken after approximately 50% of each source volume has been discharged.



Independent Sampling Protocol

How will the sample be taken and processed?

The samples taken at the Site are in a Radiologically Controlled Area and are considered Radioactive Material. Samples will be handled by qualified Site personnel. Sample collection will be witnessed by New York State personnel. The samples will be split and shipped to the laboratories as specified by Holtec and New York State. New York state will use Wadsworth labs and a NYSDEC contract lab.

Holtec will wait no more than 12 business days from the sampling date to allow for review and comparison of data by Holtec and New York State.



Independent Sampling Protocol

What will New York State analyze and to what standard?

Radiological Components (DOH):

- H-3 (tritium)
- Gross Alpha
- Gross Beta
- SR-89
- SR-90
- Gamma spectroscopy (some typical isotopes may include: Mn-54, Fe-59, Co-60, Co-58, Zn-65, Zr-95, Ru-103/106, Cs-134/137, and naturally occurring radioactive material (NORM))

Analyzed following EPA methodologies: Gross Alpha/Gross Beta: EPA Method 900.0; Gamma Spec: EPA Method 901.1; and Tritium: EPA Method 906.0.



Independent Sampling Protocol

What will New York State analyze and to what standard?

Non-Radiological Components (DEC):

- Polychlorinated biphenyls (PCBs)
- Total Suspended Solids (TSS)
- Oil & Grease
- Boron
- EPA Priority Pollutants

PCBs, TSS, Oil & Grease, and Boron analyzed to SPDES Permit effluent limits. Analysis for EPA Priority Pollutants (listed in 40CFR423) to regulatory standards.



State Oversight

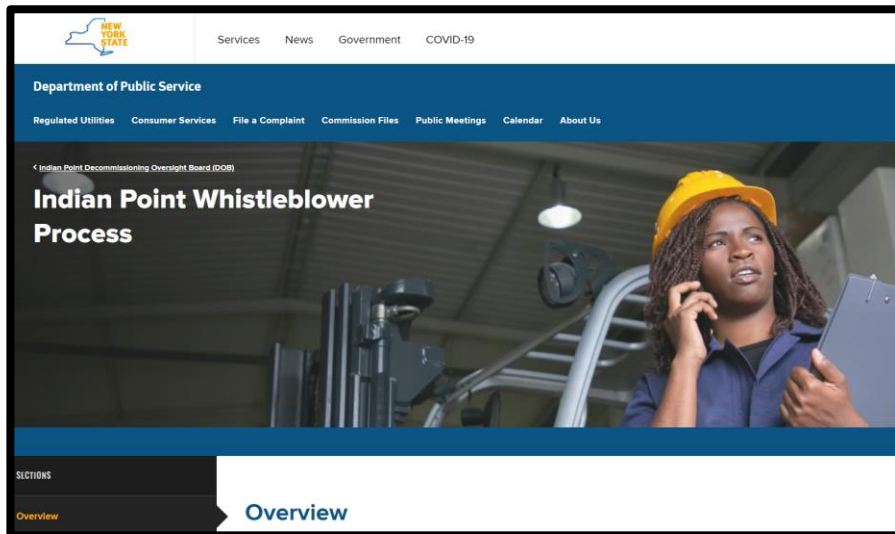
Indian Point Tip Line

<https://dps.ny.gov/indian-point-whistleblower-process>

Email: IP.Tips@dps.ny.gov

Phone: 518-486-1487

[Webform](#)



Monitoring Updates

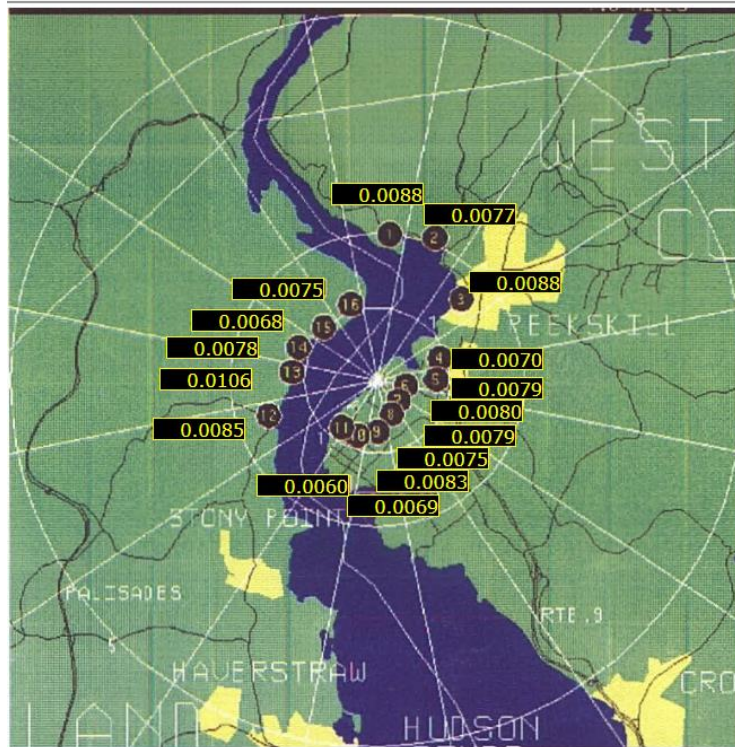
- Continuous monitoring (15 second intervals)*
- Secure, closed data feed to County & State
- 16 monitors located near Indian Point site
- Monitoring program through spent fuel transfer (required under PSC Order 19-E-0730)
- Monitor Nos. 8 and 9 Approx. 1,200ft and 1,300ft from BV school

*Indian Point is one of only five US nuclear power plants with continuous radiation monitoring capability



Monitoring Updates

Reuter-Stokes Map



| Offsite Radiation Monitors | | |
|----------------------------|---------------------|---------------------|
| Current Time: | 6/8/2023 2:21:22 PM | |
| TAGNAME | VALUE | TIMESTAMP |
| RADMON1.MID | 0.0088 | 6/8/2023 2:18:02 PM |
| RADMON2.MID | 0.0077 | 6/8/2023 2:19:02 PM |
| RADMON3.MID | 0.0088 | 6/8/2023 2:18:02 PM |
| RADMON4.MID | 0.0070 | 6/8/2023 2:18:02 PM |
| RADMON5.MID | 0.0079 | 6/8/2023 2:18:02 PM |
| RADMON6.MID | 0.0080 | 6/8/2023 2:18:02 PM |
| RADMON7.MID | 0.0079 | 6/8/2023 2:18:02 PM |
| RADMON8.MID | 0.0075 | 6/8/2023 2:18:02 PM |
| RADMON9.MID | 0.0083 | 6/8/2023 2:18:02 PM |
| RADMON10.MID | 0.0069 | 6/8/2023 2:20:32 PM |
| RADMON11.MID | 0.0060 | 6/8/2023 2:18:02 PM |
| RADMON12.MID | 0.0085 | 6/8/2023 2:18:02 PM |
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| RADMON15.MID | 0.0068 | 6/8/2023 2:18:02 PM |
| RADMON16.MID | 0.0075 | 6/8/2023 2:18:02 PM |



DPS Oversight Activities

- Agency staff – including State Inspector – performed reviews of Holtec filings:
 - Annual Radioactive Environmental Operating Report for 2022
 - Annual Radioactive Effluent Release Report for 2022
 - Annual Environmental Protection Plan Report for 2022
- State regulators have been present at all Holtec monthly project meetings, and Holtec has provided the information required under the Joint Proposal at each meeting.
- State Inspector has been monitoring compliance with Joint Proposal commitments.



DPS Oversight Activities – State Inspector

Notable on-site observations:

- U3 Hi-Lift acceptance testing.
- U3 Control Room Response to loss of power.

Tracking corrective actions associated with:

- Industrial safety
- NRC violations



DPS Oversight Activities – State Inspector

Attended:

- Holtec Morning Meetings
- NRC Entrance and Exit Meetings
- Holtec Monthly Safety Meeting for station employees
- Holtec Leadership and Alignment Meetings
- Monthly Offsite Emergency Planning Meetings



Federal Engagement

- Holtec license amendment request to revise technical specifications following transfer of all spent fuel into dry cask storage. [ML22306A126](#) State review is in progress.
- Holtec license amendment request for the ISFSI-only Security, Training and Qualification, Safeguards Contingency Plan following transfer of all spent fuel into dry cask storage. [ML23024A046](#) State review is in progress.



Employment and Labor Relations

- New York State Department of Labor (NYSDOL) continues to remain in contact with Holtec's Office of Human Resources.
- A WARN postponement was received on **6/1/2023** indicating that separations for two (2) employees originally planned for February 2023 have been postponed to July 14, 2023. The reason for this postponement is Holtec has not received final approval from the Nuclear Regulatory Commission for Indian Point's Permanently Defueled Emergency Plan (PDEP).
- NYSDOL continues to send the monthly virtual workshop flyers and the calendar of events so they can be shared with the employees.



DEC Administrative Consent Order Req'ts

Citizen Participation (CP) Plan

- Ensures public involvement in review of work plans and remedial action plans.
- Status: NYS DEC approved the CP plan on September 23, 2022.

Scoping Work Plan

- Outlines the overall program of remedial investigation.
- Status: NYS DEC approved the Scoping Work Plan on August 11, 2022.

Remedial Investigation (RI) Work Plans

- Investigations will be conducted in a series of RI Work Plans.
- Approved work plans will be announced via fact sheet distributed to the public.
- Work plans can be found linked at the bottom of DEC's Indian Point Decommissioning web page:
<https://www.dec.ny.gov/chemical/126311.html>
- On January 31, 2023, Holtec submitted a draft Remedial Investigation Work Plan for the IPEC Lafarge / Former Spectra Construction Area (AOC 118). NYSDEC is reviewing the work plan



DEC Oversight Activities – Facility Permits

State Pollutant Discharge Elimination System (SPDES)

- SPDES # NY0004472 – Governs Discharges from Main Facility
 - Expired on April 30, 2022. Holtec submitted a timely renewal application. Facility continues to have coverage under the existing SPDES permit pursuant to the State Administrative Procedure Law.
 - NYSDEC undertaking a review of the permit application to determine if a permit modification is necessary.
 - Once NYSDEC review is complete, a **Draft SPDES Permit will be provided for public review and comment in accordance with NYSDEC regulations.**



DEC Oversight Activities – Facility Permits

Major Oil Storage Facility (MOSF) License

- DEC will oversee closure and assessment of all tanks associated with the MOSF license on site in accordance with relevant regulations.
- On March 24, 2023, NYSDEC approved the closure of 17 above ground petroleum tanks at the site. DEC will monitor closure activities.

Air State Facility (ASF) Permit

- ASF permit issued 11/21/2014 for two oil-fired combustion turbines, three oil fired boilers and multiple internal combustion engines that provided emergency power. Modification issued 3/10/22 for the installation of a seasonal boiler to meet heating needs during the remaining stages of decommissioning.



Dust Mitigation

Village Permitting:

- State regulations prohibit air pollution under 6NYCRR part 211.1, which set standards about dust (among other pollutants) that is generated from any activity including demolition;
- Village will directly incorporate the State standards described in part 211.1 into demolition permit process.

Community Air Monitoring:

- Request for proposals (RFP) issued January 9, 2023 seeking environmental consulting services to develop and implement a Community Air Monitoring Plan (CAMP) to be in place during the heavy demolition phases of decommissioning at Indian Point.



Holtec Operational Update

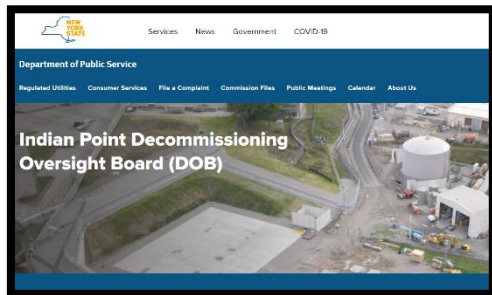


**Indian Point
Decommissioning
Oversight Board**

Rich Burroni
Holtec Decommissioning International



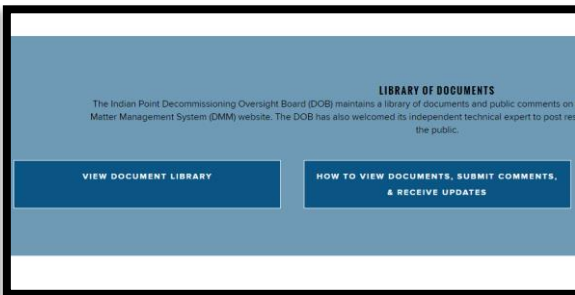
Submit Comments



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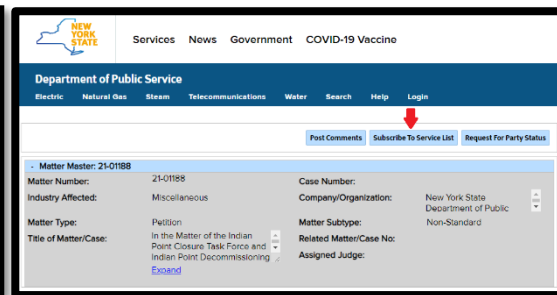
Go To:

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Click [View Document Library](#)



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Click "Post Comments"

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

Toll-Free Opinion Line: 1-800-335-2120 | Press "1" to leave comments

Mention matter #21-01188 "Indian Point Closure Task Force / Decommissioning Oversight Board"

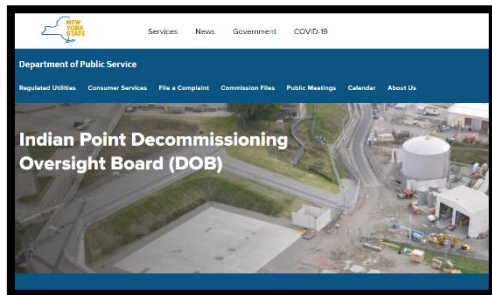
Mail:

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



**Indian Point
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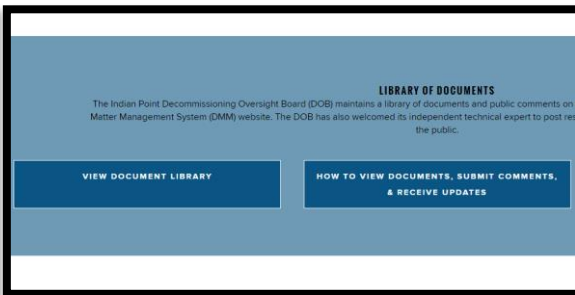
Sign Up For Updates



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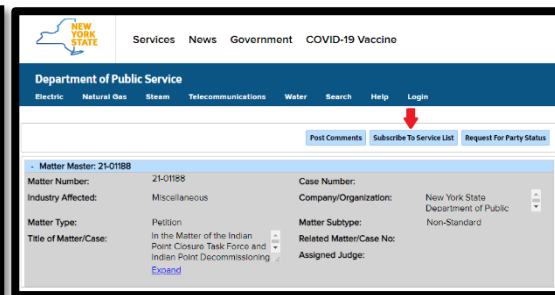
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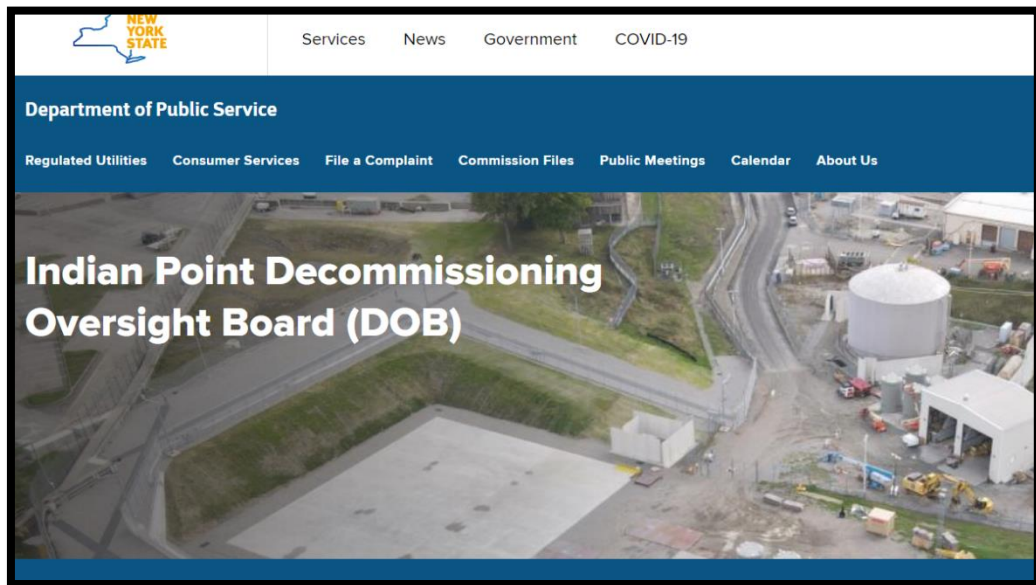


**Indian Point
Decommissioning
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Visit the DOB Website

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

- Decommissioning Updates
- Schedule of Meetings
- Meeting Materials
- Document Library
- Federal comment opportunities
- FAQs
- Independent Technical Expert Research



**Indian Point
Decommissioning
Oversight Board**

Public Forum

July 11, 2023



**Indian Point
Decommissioning
Oversight Board**

Meeting Adjourned



**Indian Point
Decommissioning
Oversight Board**