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Commissioners

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

April 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 April 27, 2023 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

April 27, 2023 | 6:00 PM  
Cortlandt Town 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
- Joe Leary, New York Power Authority
- 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
- Dr. Dennis Lauro, Acting Superintendent, Hendrick Hudson School District

## 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 will be saved and reviewed.
- All panelists and participants: **Indicate your name before speaking.**



# Welcome

# IP Closure Task Force

- Task Force established by statute, membership overlaps with DOB
- Addresses economic, employment impacts of IP plant closure
- Updates on Community and Environmental Fund
  - Sewer Project Inter-municipal agreement reached; \$250K adjustment
  - \$250K for Plumbers and Steamfitters Local 21 for welding training
  - \$500K for environmental assessment at BV Elementary



# Decommissioning Oversight Board

- The DOB provides venue for information exchange, oversight coordination, and public engagement
- Our goal is to help ensure that decommissioning is **SAFE, PROMPT, AND THOROUGH**
  - These were the key public interest principles that guided the agreement to approve the sale of the plant to Holtec
  - Agreement signed by State, AG, Westchester County, Cortlandt, Buchanan, Riverkeeper and others
- Our success is built on mutual respect and communication
  - All questions are answered; When facts show gaps, we seek to fill them



# Filling Oversight Gaps

- Comments to NRC opposing license exemptions
- State Resident Inspector
- Gas pipeline protections and protocols
- Enforceable dust mitigation conditions in local demolition permits
- Monitoring Work Group and Community Air Monitoring Plan
- Grant to School for BV environmental assessment





# Water Discharge

- Holtec's plans to continue past practice of discharging treated wastewater to Hudson has generated most public interest to date
- Recommend that we review issue through the lens of the core decommissioning principles: SAFE, PROMPT, AND THOROUGH
  - Riverkeeper suggestions in July – does discharge meet drinking water standards?
  - Lochbaum options presentation in February, first review of historical data
  - Guest Presentations in February – No safe level of radiation, concerned standards are outdated
  - Public Forum in March, Lochbaum's analysis of historical data
  - Holtec's announcements in April, pause for additional engagement
  - Public Statement Hearing on April 25
- Gaps identified: More information exchange; Independent sampling before discharges commence; NRC answers; Holtec engagement with Host Community's leaders



# Agenda

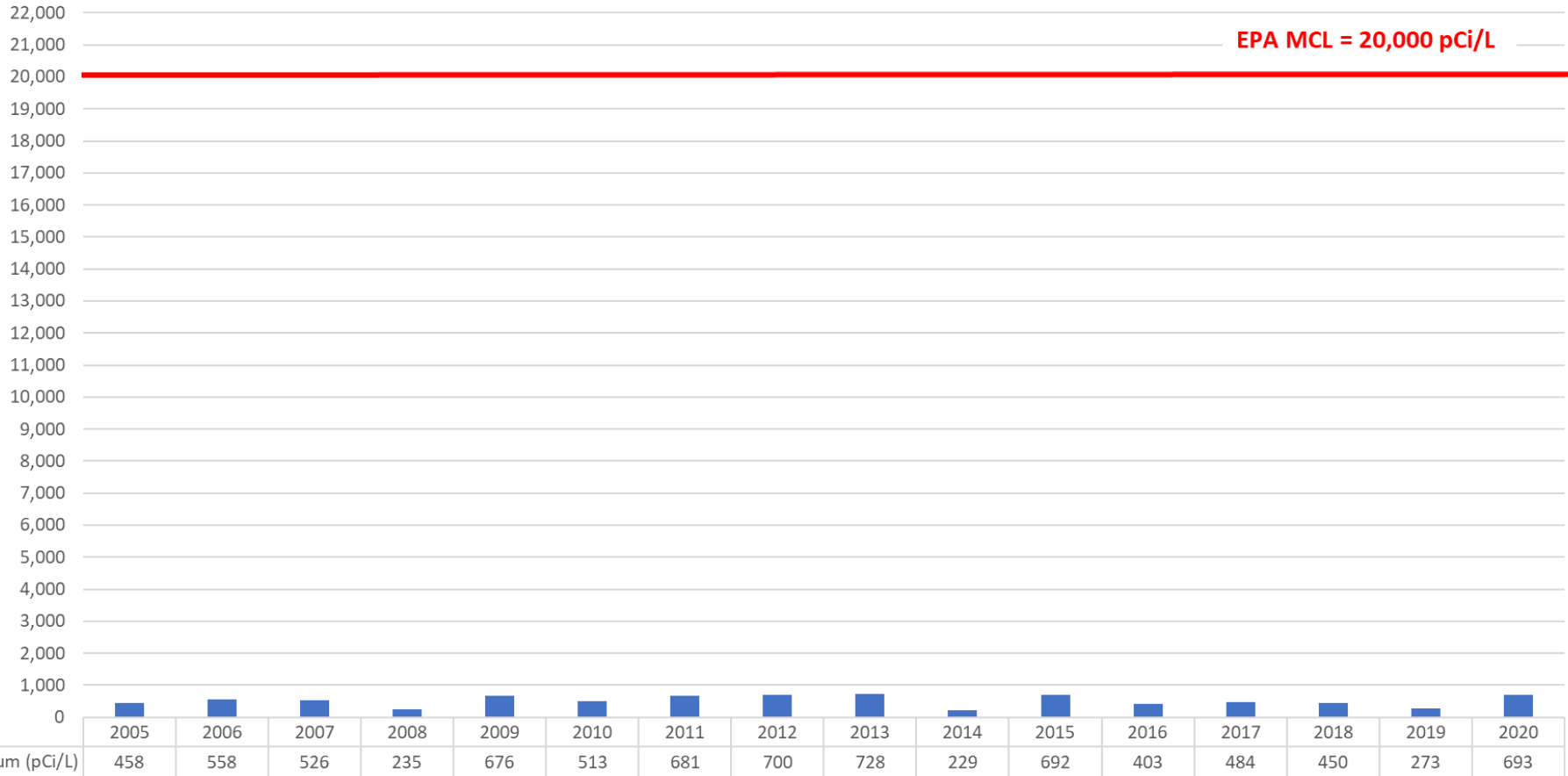
- Welcome
- Discharges from Indian Point
  - U.S. Nuclear Regulatory Commission
  - U.S. Environmental Protection Agency
  - New York State
- Holtec Operational Update
- Public Statements
- Next Steps and Adjourn



# Discharges from Indian Point

# Indian Point Annual Liquid Releases to Hudson River

*Tritium Concentration in picocuries per liter or pCi/L*



Source:

Derived from Indian Point Annual Radioactive Effluent Reports 2005-2020  
submitted by Entergy to US NRC

(available via NRC ADAMS, on NRC website, and from link on DOB Website)

Indian Point's annual effluent reports may be found [here](#).



**Katherine Warner**  
**U.S. Nuclear Regulatory Commission**

**Alyssa Arcaya**  
**U.S. Environmental Protection Agency**



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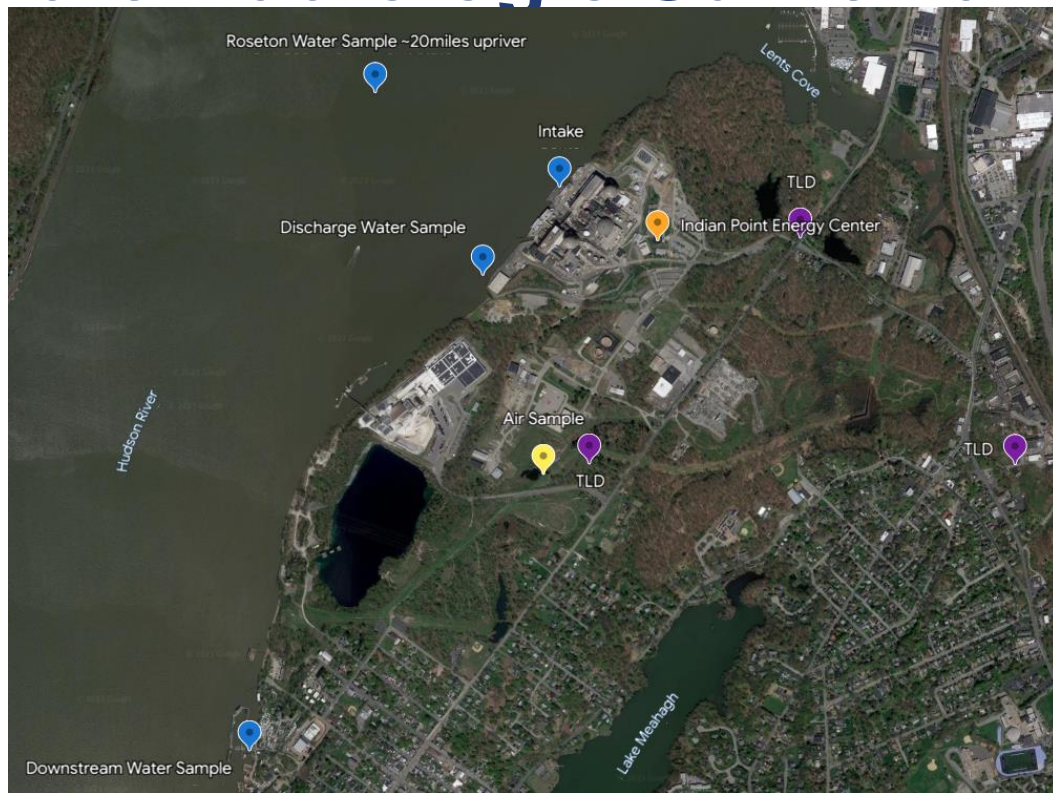
**Alex Damiani**  
**NYS Department of Health**



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# State Radiologic Surveillance



Monthly water samples are collected at three locations:

- the point of intake\*
- the point of discharge
- in Verplanck.

(blue markers) ●

A weekly air sample is taken at a nearby meteorological tower.

(yellow marker) ●

Three quarterly ambient gamma measurements

(purple TLD marker) ●

\* Once the reactors shut down, sampling at the intake stopped, and sampling upstream at Roseton started.



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# Department of Health surveillance data

- The Department of Health's laboratory performs a comprehensive radiologic analysis of the water samples. This analysis will measure tritium, gross alpha, gross beta, and gamma emitting radionuclides.
- Samples taken at the Point of Discharge and Roseton are composite samples of water that are representative of the contaminant levels throughout the month.
- Environmental surveillance data is published on Open Data NY: <https://health.data.ny.gov/Health/Environmental-Radiation-Surveillance-Indian-Point-/ms7x-sfpf/explore>. This information is also accessible via the DOB website, [www.dps.ny.gov/indianpoint](http://www.dps.ny.gov/indianpoint).



# Tritium measurements near Indian Point

- Results are reported in picocuries per liter (pCi/l). The only isotope that has results above background levels is the monthly tritium. Background is that level of radioactivity which is seen in unaffected locations around the state.
- Most tritium results are consistent with measurements taken at background (unaffected) locations around the state but approximately 25% of them are elevated.
- The EPA's Maximum Contaminant Limit (MCL) for drinking water is 20,000 pCi/L. The highest result during plant operations over last 15 year period was 3,800 pCi/L at the point of discharge, which is less than 20% of the drinking water standard.



# Future sampling

- Working with other state agencies and Holtec, the Department of Health is planning to take split samples of water that Holtec intends to discharge. The protocol for sampling prior to release is under discussion with Holtec to confirm timing and logistics.
- These samples will be analyzed for tritium, gross alpha, gross beta, and fission products, and other non-radiologic elements.
- The Department of Health will review the results and share them with the Decommissioning Oversight Board so this information can be posted on the DOB's website.
- **Department of Health measurements at end of discharge canal will continue.**



**Kelly Turturro**  
**NYS Department of Environmental Conservation**

# NYSDEC Jurisdiction over Wastewater Discharges from Indian Point

- Holtec operates pursuant to a NY SPDES Permit.
- SPDES permit governs non-radiological discharges from the facility.
- Current Status: The Indian Point SPDES Permit for Main Facility discharges expired on April 30, 2022. Holtec submitted a timely renewal application and facility continues to have coverage under the existing SPDES permit pursuant to the State Administrative Procedure Act.
- SPDES Permit Renewal Process:
  - NYSDEC will conduct a full technical review to determine if changes to the SPDES permit are necessary.
  - As part of this process, Holtec must submit to DEC comprehensive data, including identifying and characterizing the non-radiological waste stream.
  - DEC will review this information to determine appropriate effluent parameters and limits.
  - Once the application has been deemed complete, a draft SPDES permit will be noticed for public comment.



**Lisa Burianek**  
**NYS Office of the Attorney General**



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# Holtec Operational Update



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**Rich Burroni**  
**Holtec Decommissioning International**

# Public Statements



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# Public Statement Procedures

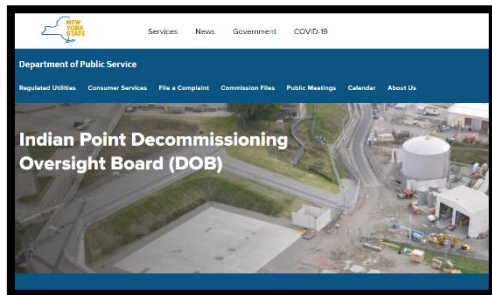
- Today's public statement period is 30 minutes in duration.
- Attendees who registered to speak will be called on in the order in which they registered, starting with those participating in person. Priority will further be given to those who did not deliver a statement during the April 25, 2023 Public Statement Hearing.
- Those who are unable to speak this evening will be directed to additional opportunities on subsequent slides.



# Public Statement Procedures

Speakers will be limited to **3 minutes**. A 30-second warning will be provided. Speakers will be cut off at 3 minutes.

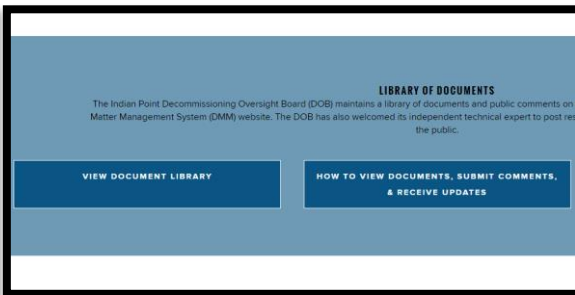
# Submit Comments



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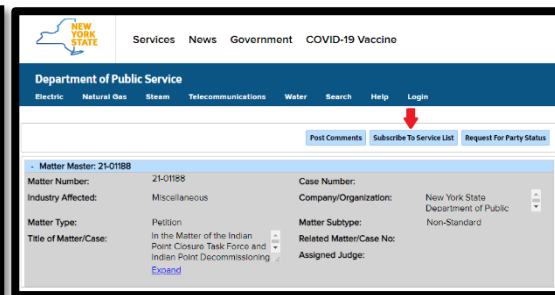
Go To:

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



②

Scroll Down and  
Click [View Document Library](#)



③

Click "Post Comments"

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

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

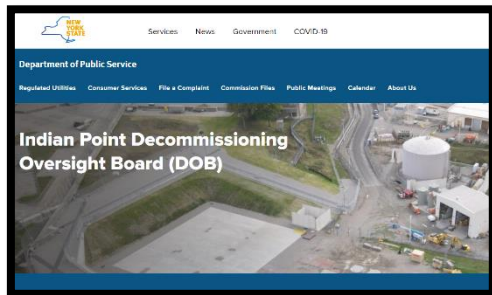
Mention matter #21-01188 "Indian Point Closure Task Force / Decommissioning Oversight Board"

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



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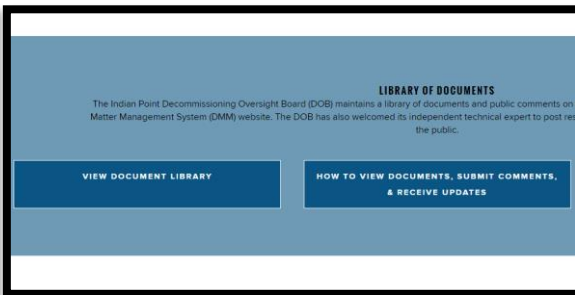
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Click "Subscribe To Service List"\*  
\*(requires NY.Gov ID registered with DPS)

For additional information on how to receive updates, including alternate ways to subscribe, go to:

<https://dps.ny.gov/how-post-comments-and-receive-updates-psc-cases>

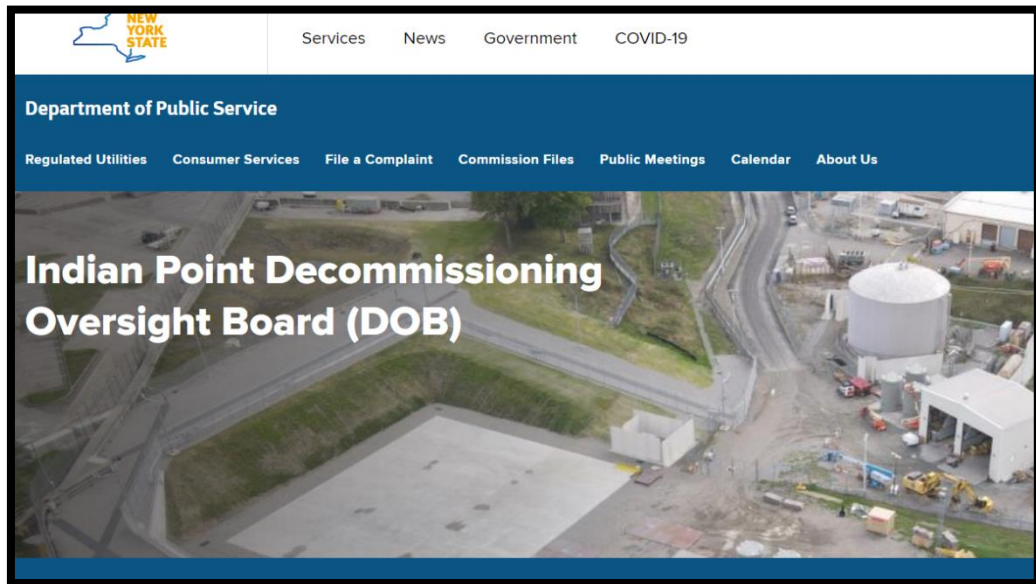


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# Visit the DOB Website

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

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



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**Next Meeting  
June 15, 2023**



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# Meeting Adjourned



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