



Indian Point Decommissioning Oversight Board

Joint Meeting

Indian Point Closure Task Force and Decommissioning Oversight Board

June 23, 2021 | 6:30 PM
WebEx

Meeting Logistics

- All attendee lines are **muted** upon entry.
- Public statements will be accepted at the end of the meeting.
- Participants who **pre-registered** to speak given first priority, other statements accepted as time allows.
- Chat feature is also enabled and will be reviewed following the meeting
- For technical difficulties, call: **1-800-342-3330**



Membership

State Representatives

- Assistant Counsel Rajiv Shah, Office of the Governor
- Deputy Secretary for Education Dan Fuller
- 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
- Orville Abrahams, Department of Labor
- Mark Pattison, Department of State
- Scott Palladino, Department of Taxation and Finance
- Jennifer Wacha, Division of Homeland Security and Emergency Services
- Tom Scaglione, Empire State Development
- Ruth Colon, 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

**Decommissioning Oversight Board only*

Local Representatives

- Linda D. Puglisi, 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



**Indian Point
Decommissioning
Oversight Board**

Agenda

I. Welcome and Introductions

II. Closure Task Force Business

- A. Closure and Transfer of Indian Point
- B. Mitigating Property Tax Reduction
- C. Submission of Annual Report

III. Decommissioning Oversight Board Business

- A. Introduction to DOB and Approach
- B. Adoption of Bylaws
- C. Presentations
 - Radiation Monitoring and Control - Dave Lochbaum
 - Regulatory Jurisdiction – John Sipos
 - DOB Approach – Tom Congdon
 - Enbridge AIM Pipeline Update – Karen Gentile (PHMSA)

IV. Open Discussion

V. Public Statements

VI. Adjourn



Closure Task Force Business



**Indian Point
Decommissioning
Oversight Board**

Closure and Transfer of Indian Point

- April 30, 2021: Unit 3 reactor shutdown
- May 19, 2021: PSC Approves Transfer of IP to Holtec
 - \$400 million min. balance of decom. trust fund for 10 years
 - \$360 million min. balance of trust fund until partial site release
 - Holtec required to return 50% of recovered DOE money for spent fuel management to trust fund
 - Site restoration/remediation consent order with DEC
 - Funding for emergency management/response
 - Financial and Project reporting to NYS
 - Cooperate with Decommissioning Oversight Board
- May 28, 2021: Transfer to Holtec closed



Mitigating Property Tax Reduction

Cessation Program

- PSC Proceeding
 - Secured approx. \$12.5 million annually through 2030
- NYS 2021/22 Budget
 - Increased authorizations to \$140 million
 - Extended sunset
 - Applicants entering before 7/1/2025 can complete 7-yr cycle
- First Applicant expected to be Village of Buchanan, in process



Annual Report

Activity Highlights since 2020 Annual Report:

- Decommissioning – PSC approval of transfer (May 19, 2021) and transfer to Holtec completed (May 28, 2021)
- Cessation program funding mechanism and budget
- Legislation enacted
 - S7846 / A10338 and S2557 / A2684 (Harckham, Galef): requires prevailing wage, protects collective bargaining agreements, confirms PSC authority over retired nuclear power reactors and related facilities and property
 - S8075 / A10398 (Harckham, Galef): permits assessment of real property tax on spent fuel pools and dry cask storage systems storing spent nuclear fuel at deactivated nuclear power facilities
 - S8204 / A10107 (Harckham, Galef): allows PILOT agreements to be entered into with deactivated nuclear power facilities
- Employment Support
- Plant Operations
 - IP 3 ceased operations April 30, 2021
 - Entergy completed removal of all nuclear fuel from IP 3 reactor on May 20, 2021



Decommissioning Oversight Board Business



**Indian Point
Decommissioning
Oversight Board**

Introduction to Oversight Board

- Announced by Governor Cuomo December 2020
- Established by Department of Public Service May 2021
 - Convening Agency: Department of Public Service
 - Membership: State, Local, Labor Leaders, Environmental and Technical Representatives
 - Three meetings per year
- Charge:

“Advise and assess on how to protect the financial, environmental and physical interests of the communities affected by decommissioning, including the interests of the current workforce as it relates to continuing the public safety of the surrounding communities.”



Overview of Bylaws

- Title and Authority
- Membership (as previously outlined)
- Officers (Chair, Attorney, Exec Dir., Secretary/Court Rep.)
- Powers and Duties (Assess, recommend, public forum)
- Meetings (3+/yr, quorum, maj. vote, minutes and video)
- Treatment of Confidential Information
- Conflicts of Interest / Gifts (explanation, disclosure)
- Amendments (majority vote)



Decommissioning Oversight Board Presentations



**Indian Point
Decommissioning
Oversight Board**

Monitoring and Control of Radioactive Materials at Indian Point

Dave Lochbaum
June 23, 2021



**Indian Point
Decommissioning
Oversight Board**

Objective

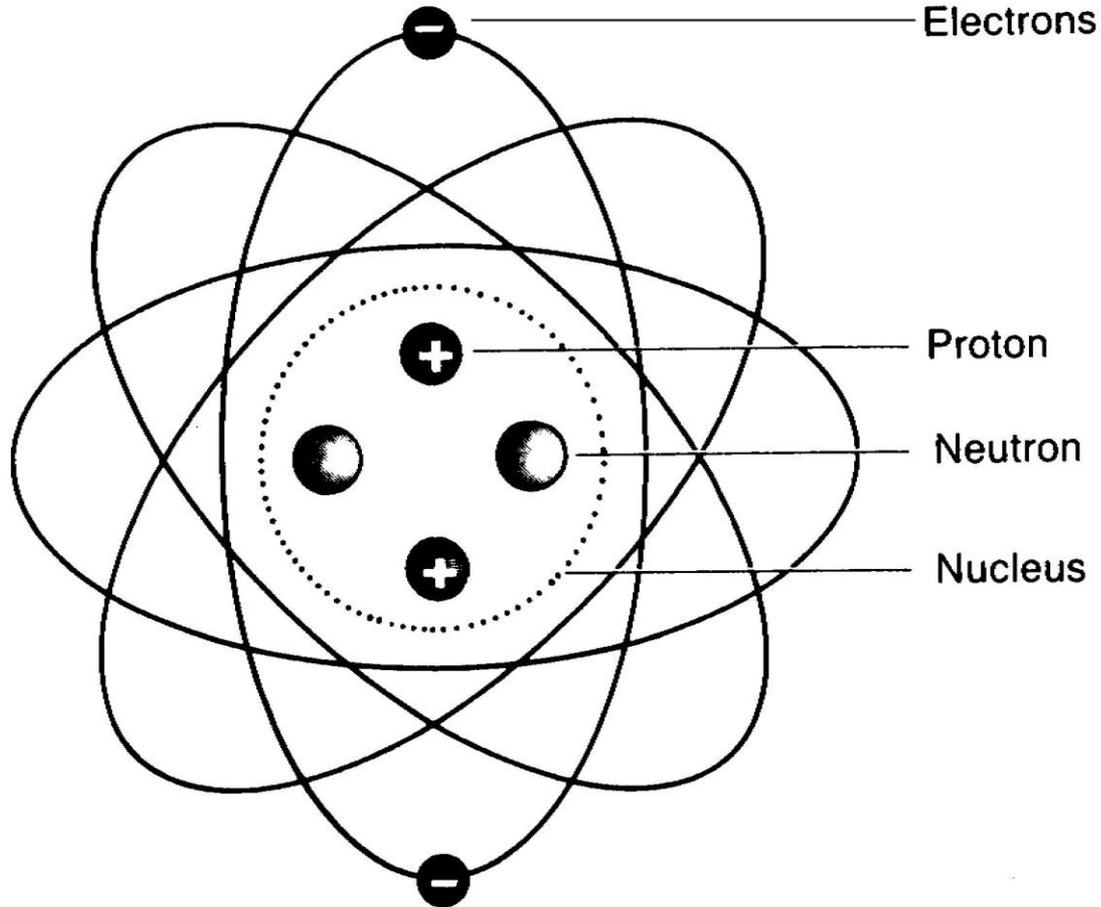
Discuss the sources, types and hazards of radioactive materials

Discuss the pathways for radioactive materials released to the air and water and the monitoring, control, and accounting for these releases

Discuss the amounts of radioactive materials released during reactor operation and decommissioning



Parts of an Atom



Definition of Radioactive Materials

RADIOACTIVE MATERIALS are unstable atoms that seek stability by emitting radioactivity in the form of neutrons, alpha particles, beta particles, and gamma rays.



Sources of Radioactive Materials

The primary sources of radioactive materials at a nuclear power plant are:

- FISSON PRODUCTS
- ACTIVATION PRODUCTS.



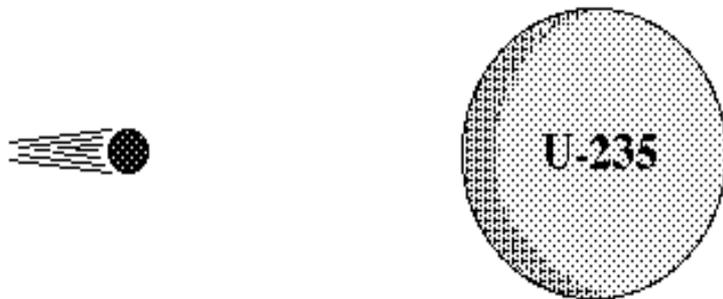
Sources of Radioactive Materials

FISSION PRODUCTS

Atoms fission, or split, into two smaller atoms, and not always the same two smaller atoms.

Many of these fission product atoms are unstable and seek stability by emitting radiation in the form of particles or energy waves.





**Uranium-235 (U-235) atoms
become unstable after
absorbing a neutron and split
into two fission products (FP)**



Sources of Radioactive Materials

ACTIVATION PRODUCTS

Non-radioactive material can become activated by interactions with radiation (e.g., get hit by neutrons or gamma rays).

CHEMICAL INJECTION – many plants inject chemicals into the feedwater that “coat” pipes to retard rusting and corrosion; some of these chemicals get activated

RADIOLYTIC DISASSOCIATION – water molecules flowing through the reactor core can get broken apart into hydrogen and oxygen molecules; subsequent interactions involving oxygen and nitrogen molecules can form Carbon-14

RUST AND OTHER PARTICLES – debris in the water can get activated flowing through the reactor core



Sources of Radioactive Materials

ACTIVATION PRODUCTS

Example: Boron is dissolved into the water circulating through the reactor core to help control the nuclear chain reaction.

A boron atom absorbing a neutron can produce helium and tritium byproducts.

Tritium, a radioactive isotope of a hydrogen atom, can combine with oxygen to form tritiated water (or tritiated water vapor).



Forms of Radioactive Materials

LIQUID

Fission products leaked into water or activation products created in water or carried by water form radioactive liquids.

GASEOUS

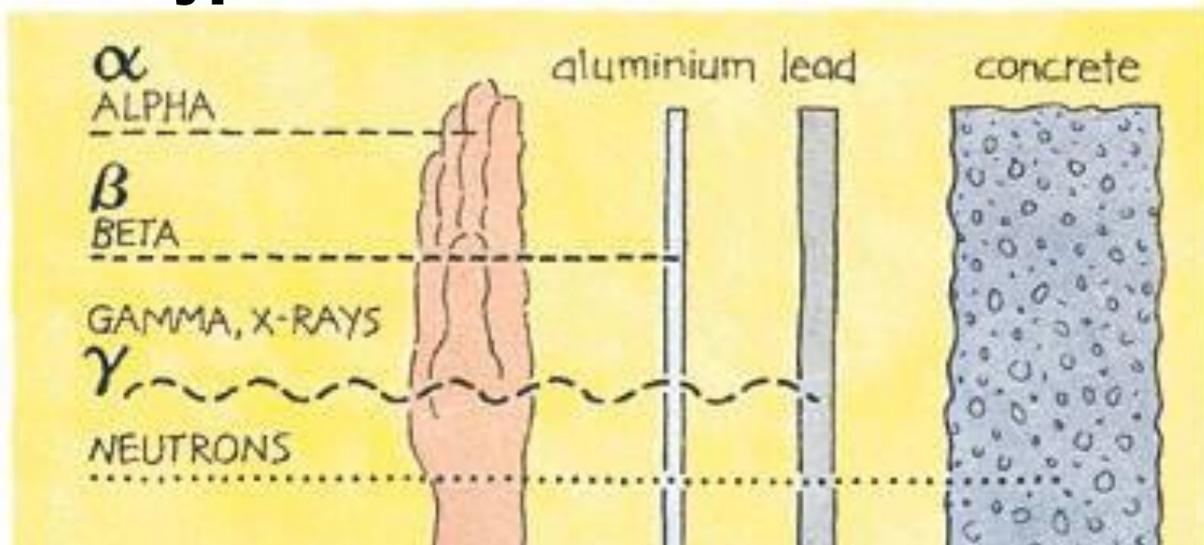
Radionuclides “bubble” out of water or evaporate to form radioactive gases.

SOLID

Filter/demineralizers that purify water, water soaking into concrete, pipes activated by irradiation are radioactive solids.



Types of Radioactive Emissions

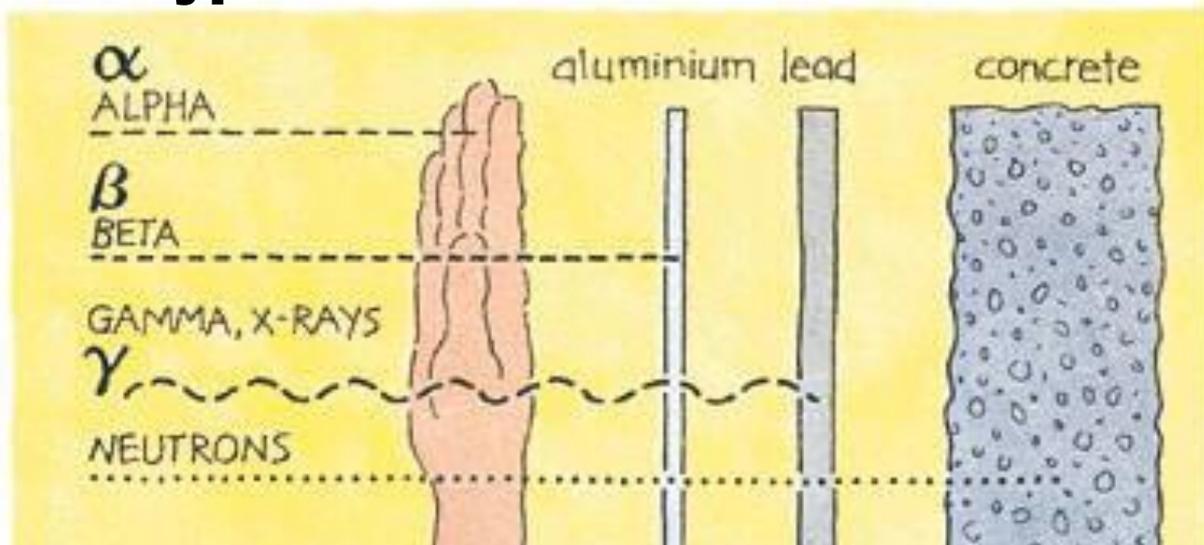


ALPHA PARTICLES are the nuclei of helium atoms stripped of their electrons. Their large size allows the skin to stop them, but their size and energy level can severely damage whatever they hit.

BETA PARTICLES are electrons. Their small size enables them to travel farther than alpha particles, but their relatively low energy levels allows aluminum foil, paper, and plastic lens to stop them.



Types of Radioactive Emissions



GAMMA RAYS are photons emitted during nuclear transformations. Although having the same energy levels as beta particles, these energy waves require denser materials, like lead, to stop them.

NEUTRONS are neutral subatomic particles. Possessing up to four times the energy levels of beta particles and gamma rays, it takes larger amounts of dense materials, like concrete, to stop them.



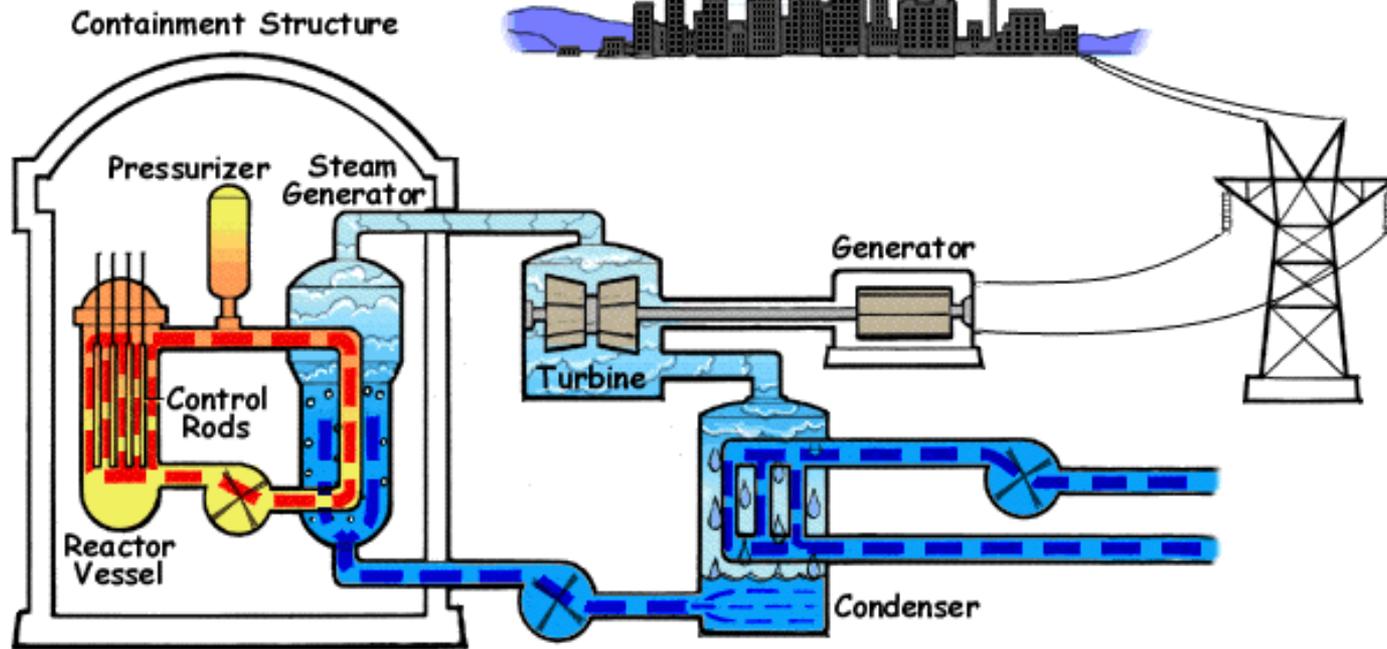
Timing of Radioactive Emissions

The table shows how long it takes 10,000 isotopes of fission products X, Y, and Z to emit radiation.

	Fission Product X	Fission Product Y	Fission Product Z
Fission Product's Half-Life	60 seconds	60 days	60 years
Number Isotopes Originally Present	10,000	10,000	10,000
Radioactive Emissions During First Minute	5,000	0	0
Radioactive Emissions During First Hour	10,000	5	0
Radioactive Emissions During First Day	10,000	115	0
Radioactive Emissions During First Year	10,000	9,852	115
Radioactive Emissions During First Decade	10,000	10,000	1,091

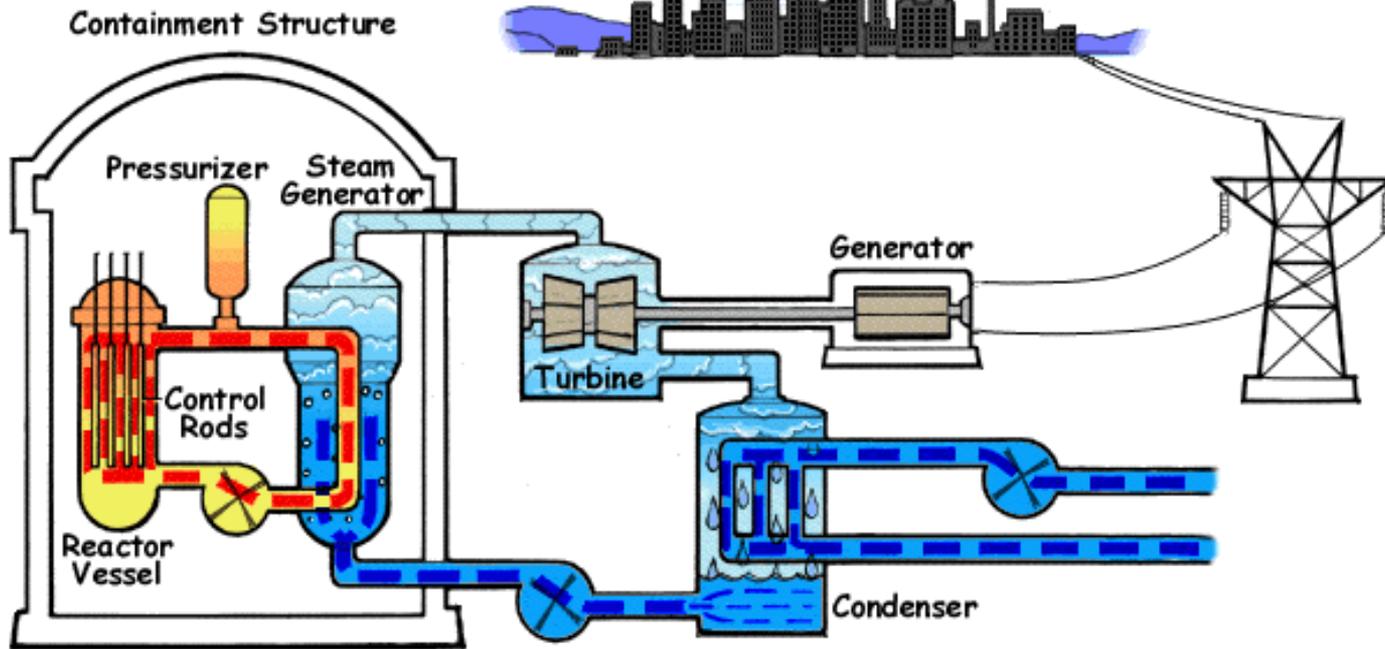
“Half-Life” is the time required, on average, for half of the isotopes of an atom to decay.



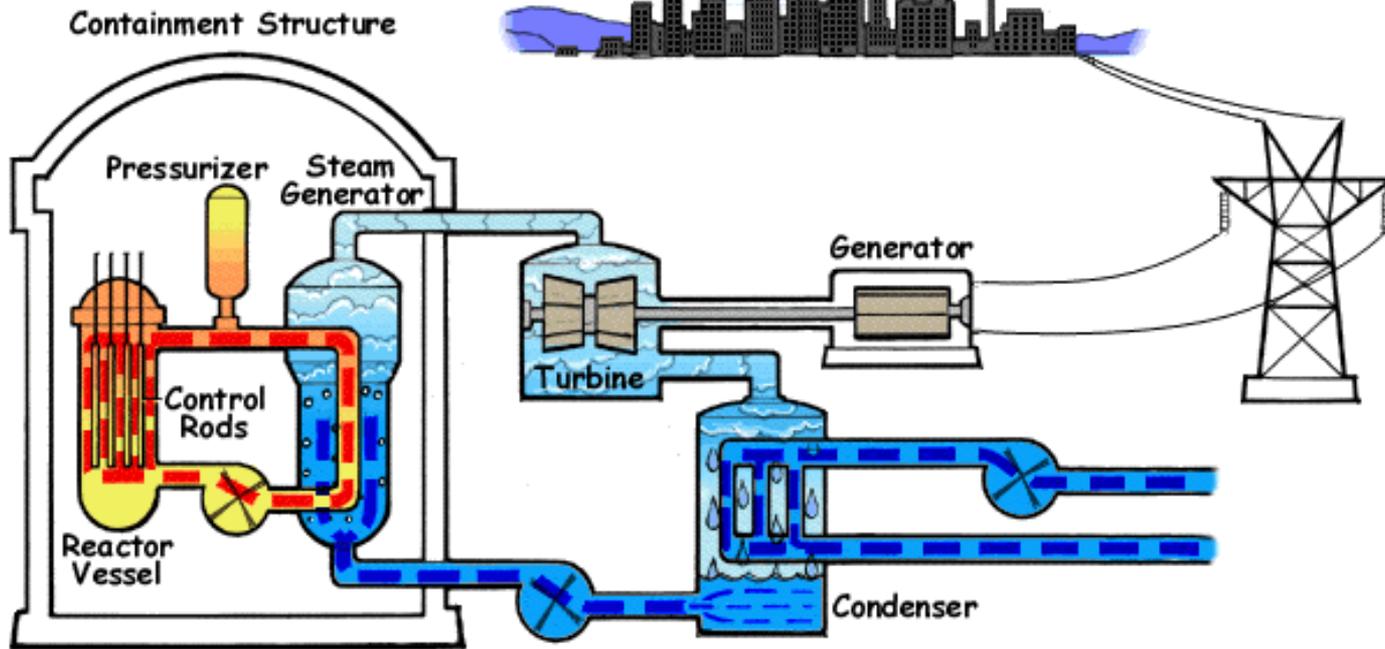


During reactor operation, uranium and plutonium atoms split to form fission products. Fission products escaping the metal fuel rods enter the cooling water.





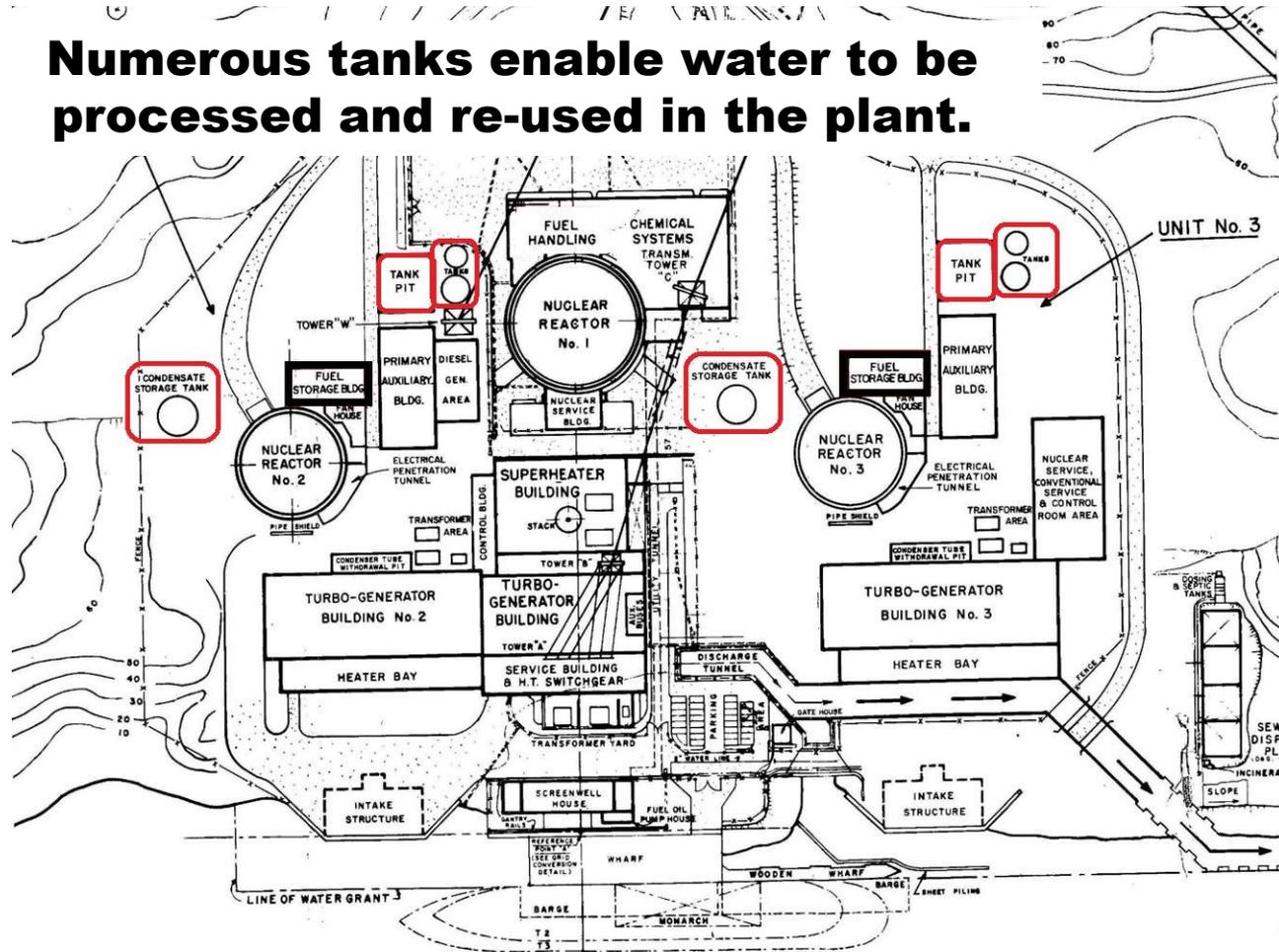
During reactor operation, water and anything carried in it may become activated when flowing through the nuclear core.



Leakage of reactor cooling water as well as activation by decay of radioactive materials in leaked water spread contamination through the nuclear plant.

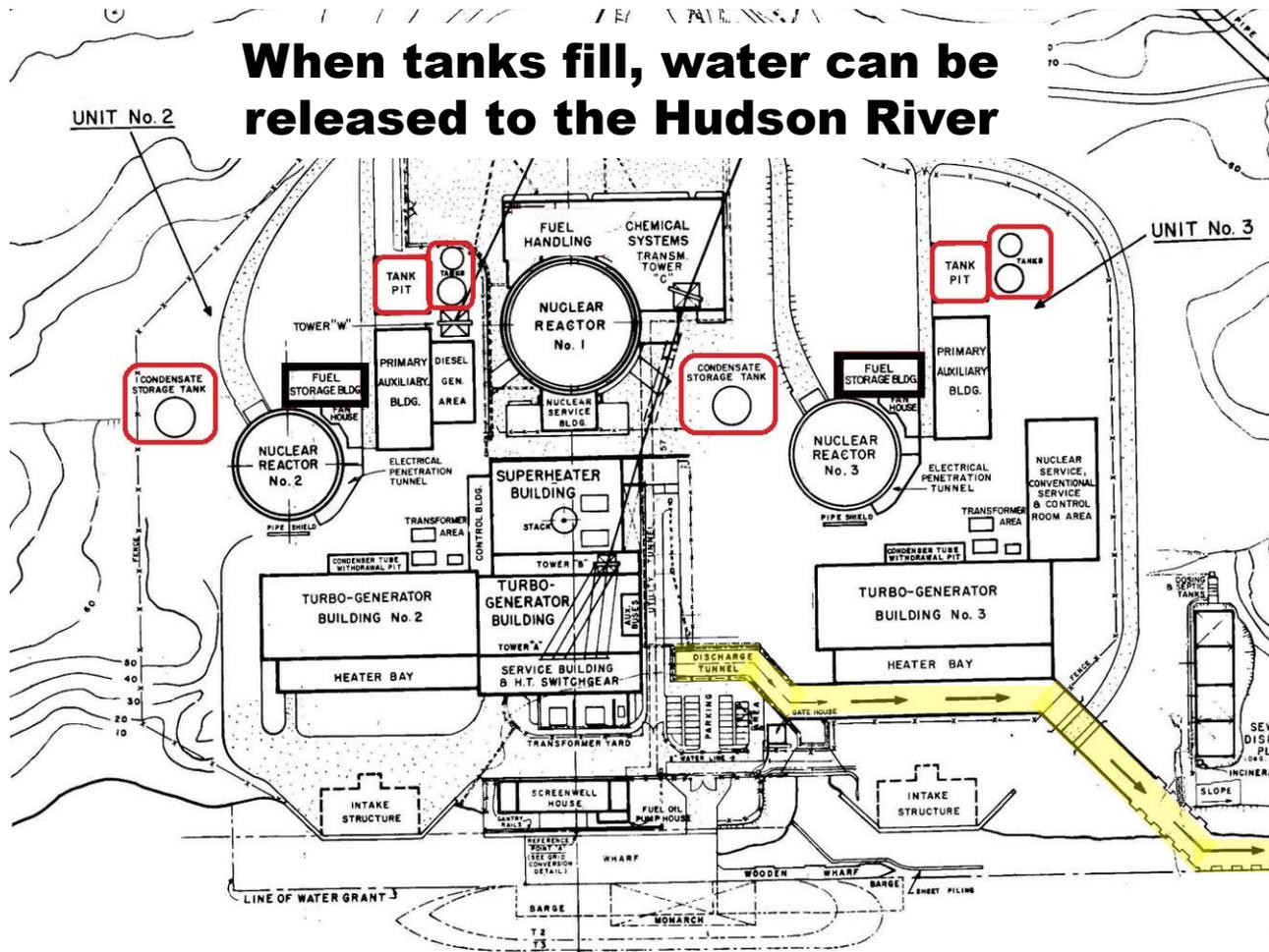
Control of Radioactive Liquids

Numerous tanks enable water to be processed and re-used in the plant.

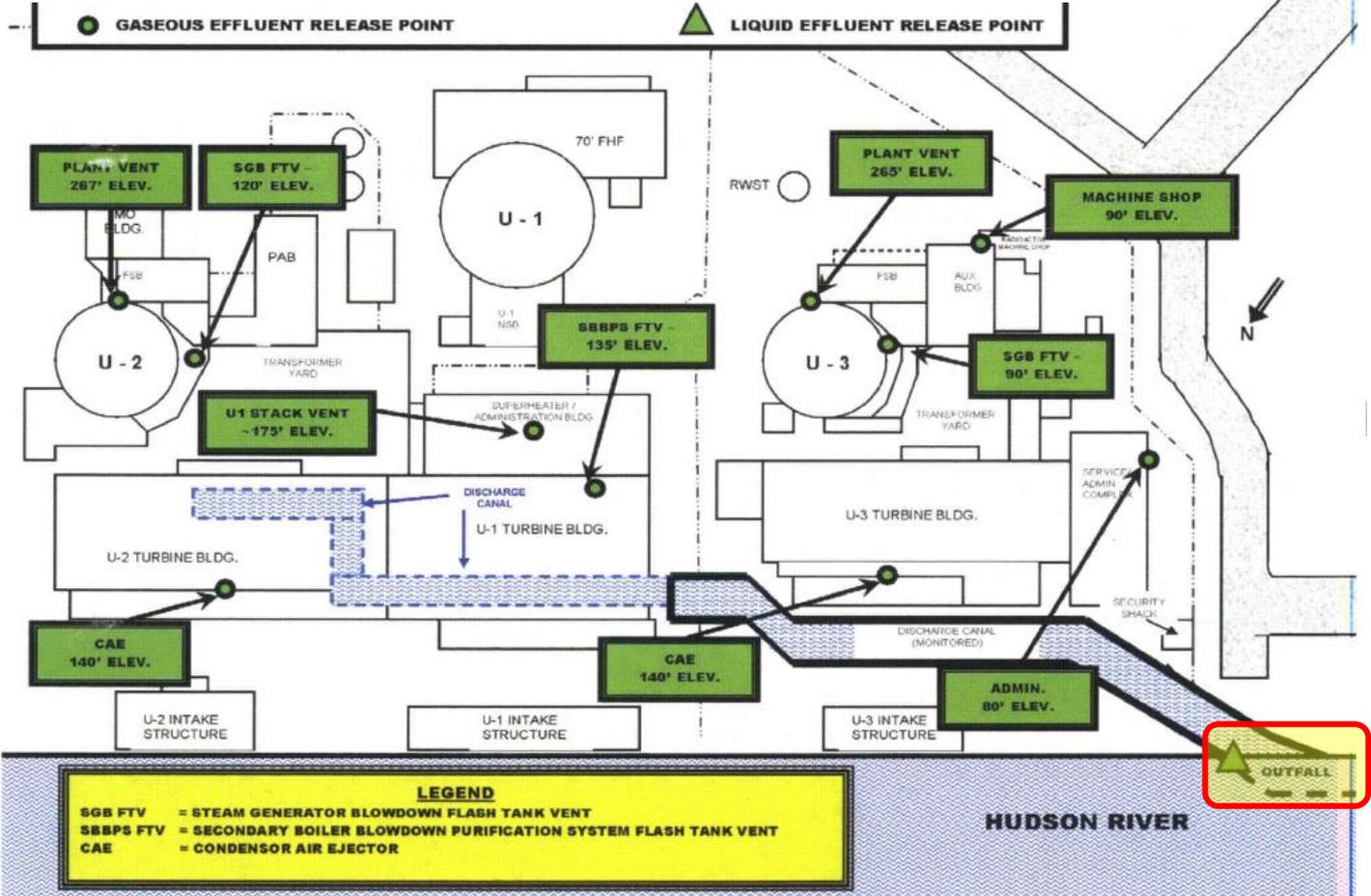


Control of Radioactive Liquids

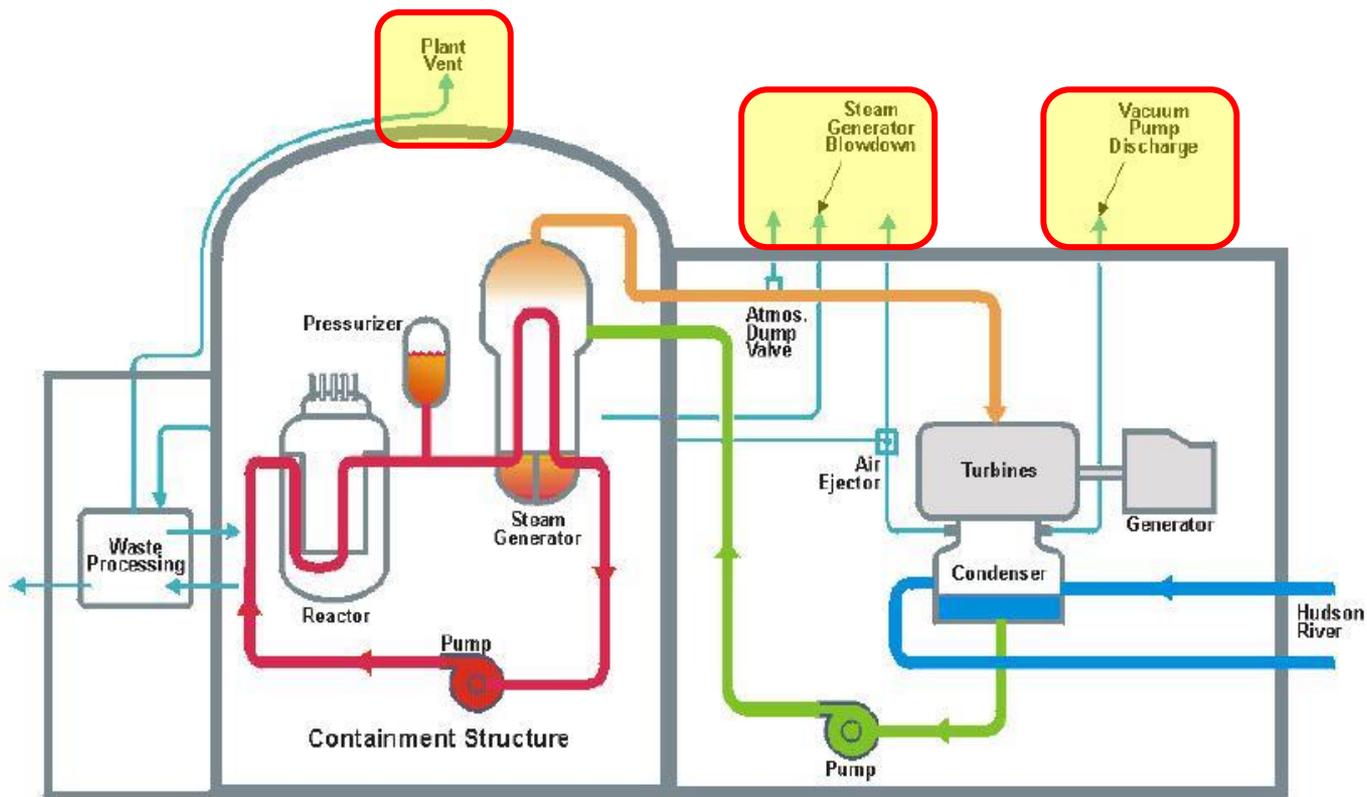
When tanks fill, water can be released to the Hudson River



That pathway is monitored and the release is stopped if high radiation is detected.



Control of Radioactive Gases



Radioactive gases can be released to the atmosphere by several paths.



Facility: Indian Point Energy Center	Page 1 of 65
	YEAR: 2019
Indian Point Units 1, 2 and 3	
Docket Nos.: 50-3, 50-247, & 50-286	
Entergy Nuclear Operations, Inc. (Entergy)	
Annual Radioactive Effluent Release Report	

2.0 Batch Releases:

1. Airborne Table 2.5-1 - Airborne Batch Releases

Unit 1 and 2 Airborne Releases	Qtr 1	Qtr 2	Qtr 3	Qtr 4	2019
Number of Batch Releases	51	52	51	60	215
Total Time Period (min)	2800	2750	2470	3300	11320
Maximum Time Period (min)	85	101	85	173	173
Average Time Period (min)	54.9	52.8	48.4	55	52.8
Minimum Time Period (min)	20	3	20	12	3

Unit 3 Airborne Releases	Qtr 1	Qtr 2	Qtr 3	Qtr 4	2019
Number of Batch Releases	27	25	17	14	83
Total Time Period (min)	2040	2400	2480	1850	8770
Maximum Time Period (min)	168	193	542	223	542
Average Time Period (min)	75.5	95.9	146	132	106
Minimum Time Period (min)	5	4	1	1	1

2. Liquid Table 2.5-2 - Liquid Batch Releases

Unit 1 and 2 Liquid Releases	Qtr 1	Qtr 2	Qtr 3	Qtr 4	2019
Number of Batch Releases	5	13	2	0	20
Total Time Period (min)	481	1200	139	0	1820
Maximum Time Period (min)	114	99	69.5	0	114
Average Time Period (min)	96.2	92.3	96	0	90
Minimum Time Period (min)	90	65	43	0	43

Unit 3 Liquid Releases	Qtr 1	Qtr 2	Qtr 3	Qtr 4	2019
Number of Batch Releases	40	29	28	5	102
Total Time Period (min)	4470	3220	3100	555	11345
Maximum Time Period (min)	119	124	117	115	124
Average Time Period (min)	112	111	111	111	111
Minimum Time Period (min)	107	105	107	108	105

Federal regulations require all liquid and gaseous releases of radioactive materials to be monitored and the totals reported to the NRC annually.

NRC inspectors periodically audit the monitoring and reporting processes.



Facility: Indian Point Energy Center	Page 1 of 65
	YEAR: 2019
Indian Point Units 1, 2 and 3	
Docket Nos.: 50-3, 50-247, & 50-286	
Entergy Nuclear Operations, Inc. (Entergy)	
Annual Radioactive Effluent Release Report	

Table 6-1 Summation of Dose Assessments

Year: 2019		Total Body	Max Organ
40 CFR 190 limit ==>	IPEC	25 mrem	75 mrem
Routine Airborne Effluents ¹	Units 1 and 2	1.46E-03	1.46E-03
Routine Liquid Effluents	Units 1 and 2	5.08E-04	7.65E-04
Liquid Releases of C ¹⁴	Units 1 and 2	1.17E-03	5.83E-03
Airborne Releases of C ¹⁴	Units 1 and 2	6.51E-02	3.26E-01
Routine Airborne Effluents ¹	Unit 3	3.14E-03	3.14E-03
Routine Liquid Effluents	Unit 3	8.12E-05	2.79E-04
Liquid Releases of C ¹⁴	Unit 3	1.17E-03	5.83E-03
Airborne Releases of C ¹⁴	Unit 3	6.18E-02	3.10E-01
Ground Water & Storm Drain Totals	IPEC ²	5.69E-05	2.30E-04
Direct Shine from areas such as dry cask storage, radwaste storage, SG Mausoleum, etc.	IPEC ³	3.00E-01	3.00E-01
Indian Point Energy Center Total Dose, per 40 CFR 190	IPEC	4.34E-01	9.54E-01

Note 1: Routine airborne dose in this table is conservatively represented as a sum of Iodine, Particulate, and Tritium dose (excluding C-14, in mrem) with a mrem term added from noble gas gamma air energy (mrad, expressed as mrem). This 'addition' does not represent a real dose and is listed here solely to help demonstrate compliance with 40CFR190. (Doses by type of release and comparison to the specific limits of 10CFR50 Appendix I are summarized on the following pages.)

Note 2: Groundwater curie and dose calculations are provided in Attachment 2.

Note 3: 40CFR190 requires the reporting of total dose, including that of direct shine. Direct shine dose from sources other than dry cask are indistinguishable from background. Direct shine dose is determined from TLDs near the dry cask area and site boundary, compared with REMP TLDs and historical values, and corrected with occupancy factors to determine a bounding, worst case assessment of direct shine dose to a real individual. Details of each year's dose evaluation are available on site.

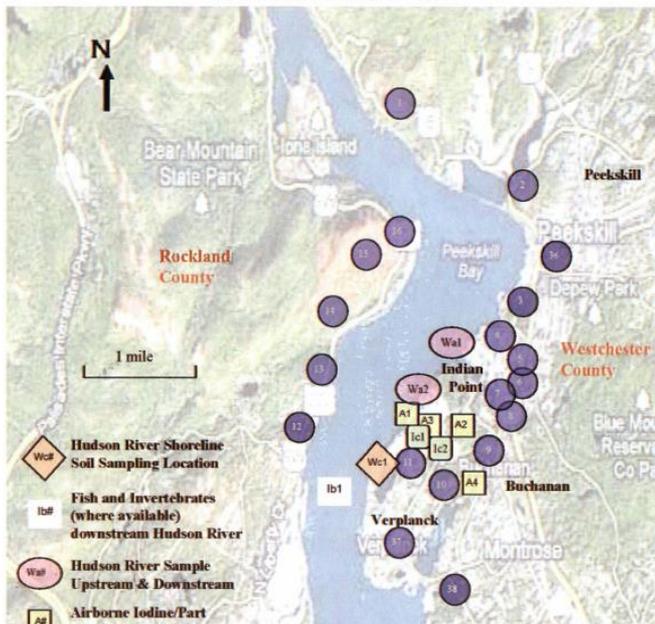
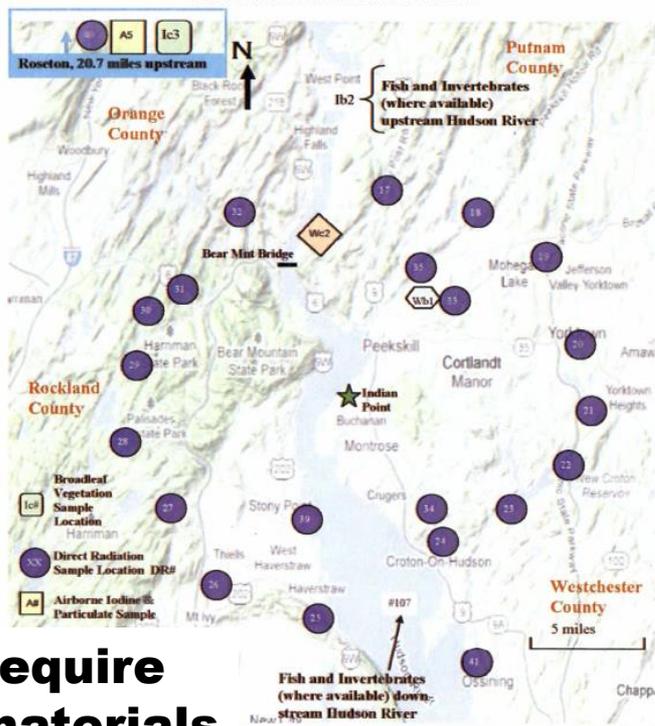
Federal regulations further require assessment of the radiation dose to the public from the released radioactive materials

Federal limit on radiation dose to the public

In 2019, radiation doses to the public from all releases to the air and water of 0.434 millirem to the body and 0.954 millirem to the maximum organ were well below the federal limits



Plant: Indian Point Energy Center	Page 1 of 126
	YEAR: 2019
Docket Number: 50-003 (IP1), 50-247 (IP2), 50-286 (IP3)	
Annual Radiological Environmental Operating Report	

 SAMPLING LOCATIONS
 Within Two Miles of Indian Point

 SAMPLING LOCATIONS
 Greater than Two Miles from Indian Point


Federal regulations also require monitoring for radioactive materials outside of the plant's outer fences.

Source: <https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML20136A400>





Federal regulations require assessment of the radiation dose to the public from the offsite monitoring locations to be reported to the NRC.

Over the past decade, the dose measured at offsite monitoring locations around Indian Point approximated the background dose measured at a control location.

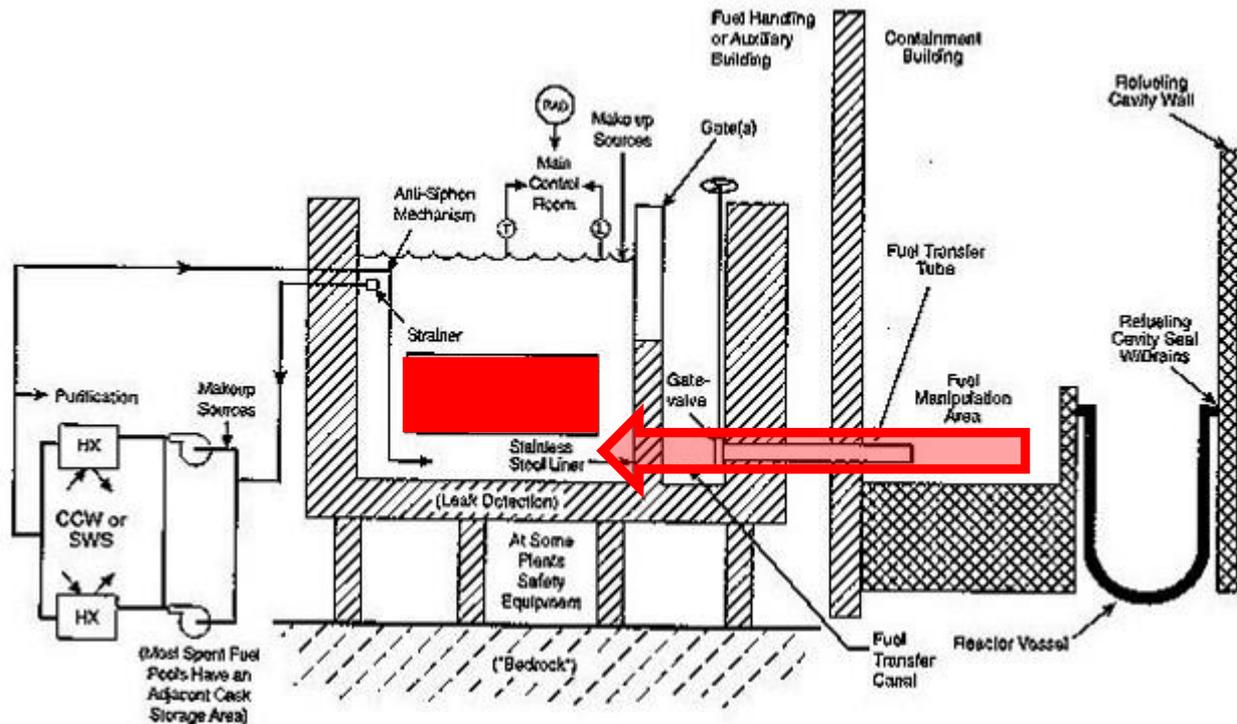
Plant: Indian Point Energy Center	Page 1 of 126
	YEAR: 2019
Docket Number: 50-003 (IP1), 50-247 (IP2), 50-286 (IP3)	
Annual Radiological Environmental Operating Report	

**DIRECT RADIATION, ANNUAL SUMMARY
2009-2019**

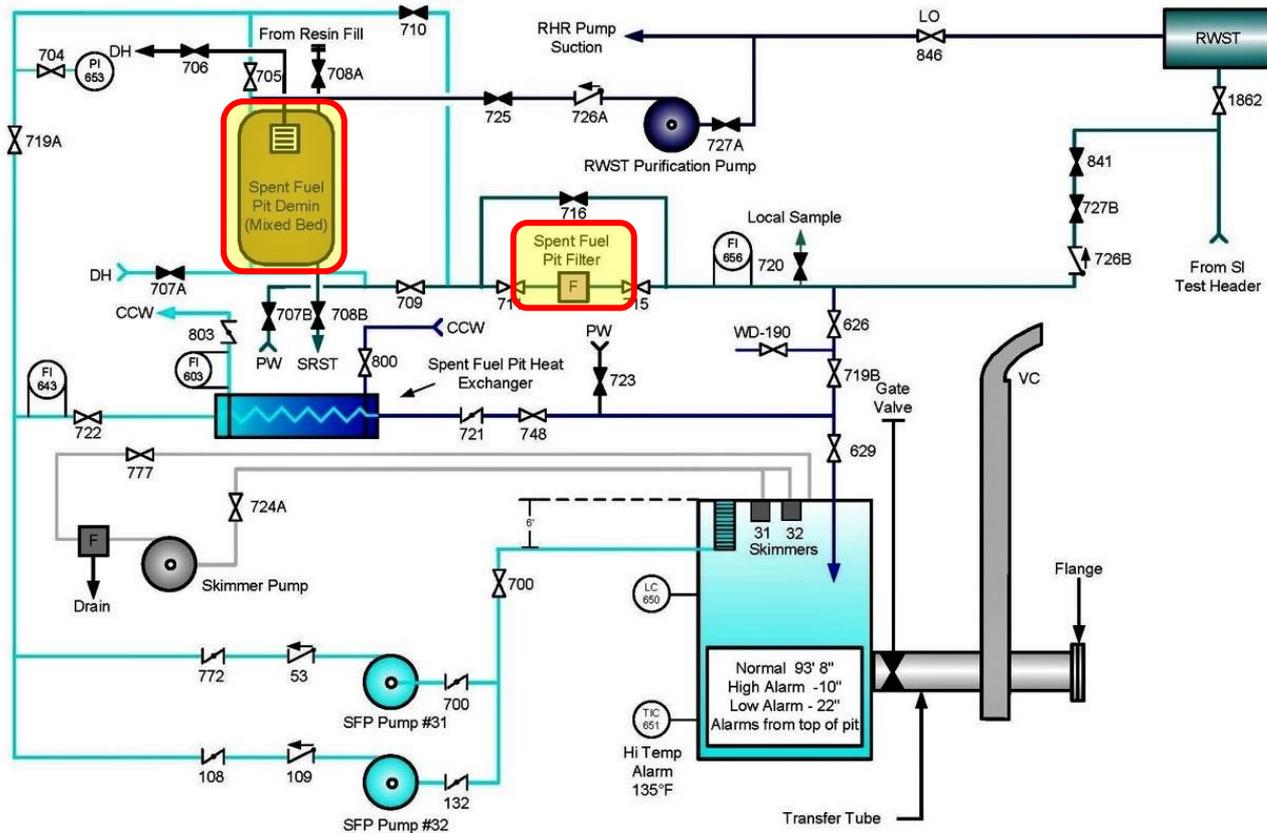
Average Quarterly Dose (mR/Quarter)			
Year	Inner Ring	Outer Ring	Control Location
2009	14.5	14.2	17.3
2010	14.0	14.3	13.0
2011	13.6	14.4	13.4
2012	13.2	13.5	12.5
2013	13.4	13.8	14.2
2014	13.7	13.6	14.2
2015	13.8	14	14.3
2016	14.3	14.2	15.6
2017	14.3	14.7	15.6
2018	14.0	14.4	15.3
2019	13.7	13.9	15.0
Historical Average 2009-2018	13.9	14.1	14.5



**Indian Point
Decommissioning
Oversight Board**



All fuel assemblies at Indian Point have been offloaded from the reactor vessel into spent fuel pools inside the Fuel Storage Buildings.



The spent fuel pool water is cooled and cleaned. Radioactive material collects in the demineralizer and filter units.



Radioactive Materials Then and Now

During reactor operation, there were lots of fissions, lots of water circulating, and lots of systems handling contaminated water.

During decommissioning, there are fewer fissions, less water circulating, and fewer systems handling contaminated water.

What difference does it all make?



**Generic Environmental
Impact Statement on
Decommissioning of
Nuclear Facilities**

Supplement 1

**Regarding the Decommissioning of
Nuclear Power Reactors**

Main Report, Appendices A through M

Final Report

Manuscript Completed: October 2002
Date Published: November 2002

**This report contains data on radioactive
material releases and radiation doses
during operation and decommissioning.**

Source: <https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML023470304>



**Indian Point
Decommissioning
Oversight Board**

Table G-15. Summary of Effluent Releases Comparison of Operating Facilities and Decommissioning Facilities

Operating Reactors							
Reactor Type	PWR			BWR			
	Average	Max	Min	Average	Max	Min	
Capacity (MWe)	829	912	760	972	1154	786	
Gaseous Effluents - Total (Ci)	5.8E+01	1.5E+02	4.0E-01	9.3E+01	1.7E+02	1.2E+01	
Fission and Activation Gases (Ci)	4.4E+01	1.4E+02	7.5E-02	8.3E+01	1.6E+02	1.5E+00	
Iodines (Ci)	6.4E-07	1.3E-06	0	2.3E-03	5.1E-03	0	
Particulates (Ci)	1.9E-05	3.8E-05	3.3E-07	8.9E-04	1.6E-03	3.0E-04	
Gross Alpha (Ci)	--	--	--	--	--	--	
Tritium (Ci)	1.4E+01	3.7E+01	3.2E-01	1.0E+01	1.2E+01	6.2E+00	
Liquid Effluents - Total (Ci)	5.2E+02	6.7E+02	4.2E+02	1.2E+01	1.9E+01	6.9E+00	
Fission and Activation Products (Ci)	1.6E-01	3.7E-01	8.5E-02	6.2E-02	9.4E-02	1.2E-02	
Tritium (Ci)	5.2E+02	6.7E+02	4.2E+02	1.2E+01	1.9E+01	6.9E+00	
Dissolved and Entrained Gases (Ci)	1.0E-01	3.8E-01	2.2E-04	4.3E-03	6.7E-03	1.8E-03	
Gross Alpha (Ci)	1.2E-03	1.9E-03	4.4E-04	2.4E-06	3.8E-06	0	
Decommissioning Reactors							
Reactor Type	PWR			BWR			
	Average	Max	Min	Average	Max	Min	
Capacity, MWe	970	1080	860	65	67	63	
Gaseous Effluents - Total (Ci)	2.1E+01	4.0E+01	2.6E+00	1.1E+02	2.1E+02	1.2E+00	
Fission and Activation Gases (Ci) ^(a)	1.6E+01	1.6E+01	1.6E+01	2.1E+02	2.1E+02	2.1E+02	
Iodines (Ci)	--	--	--	--	--	--	
Particulates (Ci)	0	0	0	1.0E-04	2.0E-04	0	
Gross Alpha (Ci)	--	--	--	0	0	0	
Tritium (Ci)	1.3E+01	2.4E+01	2.6E+00	1.2E+00	1.2E+00	1.2E+00	
Liquid Effluents - Total (Ci)	7.8E-01	1.4E+00	1.2E-01	3.3E-01	1.3E+00	1.0E-03	
Fission and Activation Products (Ci)	3.5E-02	6.7E-02	2.6E-03	3.3E-01	1.3E+00	2.0E-04	
Tritium (Ci)	7.4E-01	1.4E+00	1.2E-01	9.5E-04	1.1E-03	8.0E-04	
Dissolved and Entrained Gases (Ci)	--	--	--	--	--	--	
Gross Alpha (Ci)	0	3.0E-05	0	0	0	0	



Radioactive Materials Then and Now

	Operating PWRs Average (Curies)	Decommissioning PWRs Average (Curies)	Decommissioning/Operating Percent
Total Gaseous Effluents	58.00	21.00	36.2%
Fission and Activation Gases	44.00	16.00	36.4%
Iodines	0.00	0.00	0.0%
Particulates	0.00	0.00	0.0%
Tritium	14.00	13.00	92.9%
Total Liquid Effluents	520.00	0.78	0.2%
Fission and Activation Gases	0.16	0.04	21.9%
Tritium	520.00	0.74	0.1%
Dissolved and Entrained Gases	0.10	0.00	0.0%
Gross Alpha	0.00	0.00	0.0%
Total Gaseous and Liquid Effluents	578.00	21.78	3.8%
Tritium	534.00	13.74	2.6%

The data from Table G-15 shows that the releases of liquid and gaseous radioactive materials, with the exception of airborne tritium, is significantly less at a decommissioning plant than at an operating plant.



Radioactive Materials Then and Now

Occupational Whole-Body Dose at Decommissioning Reactors, Comparison of Dose During Operations to Dose During Decommissioning

The federal limit on worker radiation dose is 5,000 millirem per year

Nuclear Plant	Reactor Type	Capacity, MWe	Years in Operation	Years Post Shutdown	D&D Method	Average Annual Occupational Dose ^{year}		Maximum Annual Occupational Dose, person-rem/yr			
						Normal Power Operations	Post Shutdown	Post Shutdown as % of Operations		Post Shutdown	Post Shutdown as % of Operations
						person-rem/yr	person-rem/yr	Operations	Shutdown	Operations	Operations
Ft. St. Vrain	HTGR ^(a)	330	10	12	DECON	3	106	4076.9	6	210	3500
Big Rock Point	BWR ^(b)	67	34	2	DECON	166	116	69.7	277	144	52.0
La Crosse	BWR	48	17	13	SAFSTOR	247	19	7.8	313	105	33.5
Humboldt Bay, Unit 3	BWR	63	13	25	SAFSTOR	294	183	62.4	339	1905	561.9
Yankee Rowe	PWR ^(c)	175	30	8	DECON	159	75	47	246	156	63.4
Haddam Neck	PWR	560	28	3	DECON	355	137	38.5	590	261	44.2
Maine Yankee	PWR	860	25	3	DECON	326	154	47.1	653	173	26.5
Trojan	PWR	1080	17	7	DECON	346	38	11	567	52	9.2
San Onofre, Unit 1	PWR	436	25	8	SAFSTOR	512	16	3.1	880	16	1.8
Rancho Seco	PWR	873	14	10	SAFSTOR	385	9	2.3	787	41	5.2
Zion, Units 1 and 2	PWRs	2080	24	2	DECON	645	8	1.2	1043	12	1.2
Average All LWR						343	75	29	570	287	79.9
Average BWR						235	106	46.6	310	718	215.8
Average PWR				89.1		390	62	21.5	681	102	21.6
Average DECON						333	88	35.8	563	133	32.7
Average SAFSTOR						359	57	18.9	580	517	89.1 *

(a) High-temperature gas-cooled reactor.

(b) Boiling water reactor.

(c) Pressurized water reactor.

*** Original table in the NRC report had a math error that has been corrected here**

The data for radiation doses to workers also show a significant decrease at decommissioning plants compared to operating ones.

Source: <https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML023470304>



Indian Point
Decommissioning
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Radioactive Materials Summary

Although the amounts of radioactive materials created, stored, and released during decommissioning are less than the amounts during reactor operation, the federal regulations governing monitoring, control and reporting of radioactive materials remain the same because workers and the public still require protection.



Regulatory Agencies

- **Federal**
 - United States Nuclear Regulatory Commission (NRC)
 - Federal Energy Regulatory Commission (FERC)
 - Pipeline and Hazardous Materials Safety Administration (PHMSA)
 - Occupational Health and Safety Administration (OSHA)
- **State & Local**
 - Public Service Commission (PSC) / Department of Public Service (DPS)
 - Department of Environmental Conservation (DEC) & Department of Health (DOH)
 - Department of Labor (DOL)
 - Department of State (DOS)
 - Energy Research and Development Authority (NYSERDA)
 - Department of Homeland Security and Emergency Services (DHSES) / Westchester County
 - Village of Buchanan & Town of Cortlandt



Decommissioning Oversight Board Approach

- *Convenor of relevant stakeholders (e.g., Federal oversight agencies, community leaders, Holtec/Enbridge coordination)*
- *Company Compliance Reports*
- *Agency Oversight Updates*
 - *DPS Tip Line Info*
 - *Email: IP.Tips@dps.ny.gov*
 - *Phone: 518-486-1487*
 - *[Webform](#)*
 - *Monitoring Reports*
- *Reports from Labor Leaders*
- *Offsite Monitoring Equipment Data*
- *Community Engagement and Transparency*



Pipeline and Hazardous Materials Safety Administration Office of Pipeline Safety

- **Introduction**
- **Federal Pipeline Safety Regulations**
- **Plans for Near-Term Pipeline Work**



Open Discussion

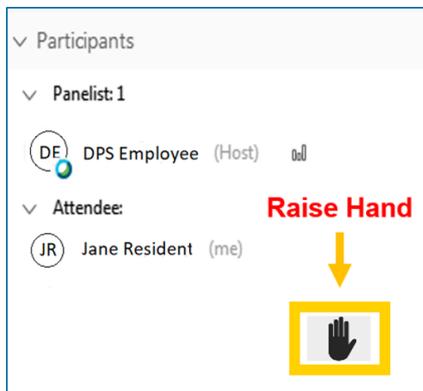
- Questions for presenters
- Topics for future meetings



Public Statements

Public Statement Procedures

Raising Your Hand



Attendees who pre-registered to speak will be called on in order of when they registered. Time-permitting, attendees who did not pre-register to speak will then be given an opportunity to speak.

To make a comment:

- Hover your mouse near the bottom-right of the screen. Click the **Participants** icon to open the Participants panel.
- At the bottom of the Participants panel, select the **Raise hand** icon. *Calling in? Use *3 to raise or lower hand*

- Your line will be unmuted when it is your turn to speak
- Speakers will be limited to **3 minutes** to ensure everyone has a chance to make their statement.

When your hand is raised, the moderator will call on you to make your comment for the record.

- *Please remember to unmute your own line.*
- When you are finished speaking, please hit icon again to lower your hand.

For technical difficulties, call:
1-800-342-3330



**Indian Point
Decommissioning
Oversight Board**

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”

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GOVERNOR CUOMO ANNOUNCES ESTABLISHMENT OF 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 (NY-17-0295)
IRG&E and NYSEG March 2017
Windstorm Outage & Restoration

Natural Gas
National Grid Gas Rate Case (17-G-0295)
Coming Natural Gas Rate Case
National Grid NY Gas Rate Case
National Fuel Gas Rate Case

Generation Siting
• Baron Wind
• Bull Run Wind
• Cossadaga Wind
• Eight Point Wind
• Galloo Island Wind

NEW YORK STATE
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Department of Public Service
DPS Home Page Electric Natural Gas Steam Telecommunications Water Search Site Map A-Z Index Help

21-01188
21-0094
Electric
Case Number: 21-0094
Company/Organization: New York State Department of Public Service
Matter Subjgen: In the Matter of the Establishment of Indian Point Closure Task Force.
Related Matter/Case No: Non-Standard

Public Comments (0) Party List (0) Calendar (0)

Notice: Notice of Collaborative Meeting on the Indian Point Closure Task Force
Press Release: Press Release - Indian Point Closure Task Force to Meet
Press Release: Press Release - Governor Cuomo Launches Indian Point Closure Task Force To Assist Local Community With Transition

1 of 1

Post Comments

Meeting Adjourned



**Indian Point
Decommissioning
Oversight Board**