

Vermont Department of Health Radiological Health Rule

Vermont Nuclear Decommissioning Citizens Advisory Panel

June 23, 2016

General Overview*

- The most current revision was approved and made effective on January 1, 2010.
- It applies to “all persons who receive, possess, use or transfer sources of ionizing radiation” in Vermont.
- It provides standards for protection of workers and the public; requires registration of sources; describes transportation notice requirements; and the rights of the Department relative to these regulated entities.
- It exempts materials licensed by the U.S. NRC, but has specific “criteria applicable to Vermont Yankee Nuclear Power Station relating to members of the public”.

*Sections 5-301, 5-302 and 5-304

Criteria Applicable to VYNPS Relating to Members of the Public*

- Maximum permissible doses in unrestricted areas:
 - Must be kept as low as reasonably achievable;
 - Controls on discharges and direct gamma radiation:
 - Gaseous effluents cannot lead to doses in excess of 5 millirem per year;
 - Liquid effluents cannot lead to doses in excess of 5 millirem per year;
 - Radioiodine emissions cannot lead to doses in excess of 5 millirem per year;
 - Doses from radioactive particulates in air cannot exceed 5 millirem per year;
 - Direct gamma radiation emanations cannot exceed exposure rates of 20 milliroentgen per year above background (held to be equivalent to 5 millirem dose per year).

*Section 5-305(D)(1)

Determination of Compliance to these Criteria*

- VYNPS submits monthly reports to Health addressing each of the dose criteria by 15th of following month.
- VYNPS also submits an annual report for all discharges and direct gamma radiation by May 15 of following year.
- VYNPS provides any other information requested relating to compliance.
- Health conducts environmental surveys, sampling and other measurements to independently determine compliance, verifying the submittals above.

*Section 5-305(D)(2)

Rights of the Department of Health*

- To be provided copies of all reports furnished to the NRC related to effluent discharges.
- To inspect and evaluate sources of radiation, premises where sources are used or stored, and pertinent data, records and reports.
- To be notified of radiological incidents in the same manner as provided the NRC.
- To obtain samples of environmental media for purposes of data correlation.
- To enforce and take corrective actions to ensure compliance to the regulations.

*Section 5-306 and 5-307

Opportunity for Questions and Contact

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