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HDI PNP 2023-003

10 CFR 72.44(d)(3)

February 15, 2023

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Big Rock Point
Docket No. 50-155 and 72-043
Facility Operating License No. DPR-6

Subject: Independent Spent Fuel Storage Installation Radioactive Effluent Release Report

In accordance with the requirements of Title 10 of the Code of Federal Regulations Part 72, Section 44, *License conditions*, paragraph (d)(3), 10 CFR 72.44(d)(3), and FuelSolutions™ Storage System Certificate of Compliance, Appendix A, *Technical Specification*, Section 5.3.4.3, Holtec Decommissioning International, LLC (HDI) on behalf of Holtec Palisades, LLC (Holtec Palisades) is submitting the radioactive effluent release report for the Independent Spent Fuel Storage Installation (ISFSI) located at the Big Rock Point (BRP) facility. The purpose of the report is to specify the quantity of each of the principal radionuclides released to the environment in liquid and gaseous effluents. This report addresses the operation of the ISFSI located at BRP from January 1, 2022, through December 31, 2022.

The spent fuel storage cask system employed at BRP does not create any radioactive material or have any radioactive waste treatment components. There is no gaseous or liquid pathway attributed to the spent fuel stored in the ISFSI facility. Radiological surveys and current postings were reviewed and demonstrated that no radionuclides were released to the environment in liquid or gaseous effluents during this reporting period. There is no impact to members of the public from the operation of the BRP ISFSI.

This fulfills the reporting requirements of 10 CFR 72.44(d)(3) and the FuelSolutions™ Technical Specifications, Section 5.3.4.3.

This letter contains no new and no revised regulatory commitments.

Should you have any questions or require additional information, please contact Jim Miksa, Regulatory Assurance Engineer at (269) 764-2945.

Respectfully,

Jean A. Fleming

Digitally signed by Jean A.

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Date: 2023.02.15 08:04:35 -05'00'

Jean A. Fleming

Vice President, of Licensing, Regulatory Affairs & PSA

Holtec International

Enclosure: Independent Spent Fuel Storage Installation Annual Radioactive Effluent
Release Report

cc: NRC Region III Regional Administrator
NRC Decommissioning Inspector – Big Rock Point
NRC NMSS Project Manager – Big Rock Point

ENCLOSURE

INDEPENDENT SPENT FUEL STORAGE INSTALLATION ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT

Big Rock Point
January 1, 2022 – December 31, 2022

I. FACILITY DESCRIPTION

The Independent Spent Fuel Storage Installation (ISFSI) is located within the owner-controlled area of the Big Rock Point (BRP) site. The storage of spent fuel at BRP meets the requirements of Title 10 of the Code of Federal Regulation Part 72, *Licensing Requirements for the Independent Storage of Spent Nuclear Fuel, High-Level Radioactive Waste, and Reactor-Related Greater Than Class C Waste* (10 CFR 72), and the Certificate of Compliance Docket Number 72-1026, issued by the Nuclear Regulatory Commission (NRC).

II. EFFLUENT LIMITS AND CONTROLS

The ISFSI operates under effluent control limits as required by 10 CFR 72.104, *Criteria for radioactive materials in effluents and direct radiation from an ISFSI or MRS*. However, the design of the sealed storage canisters at the ISFSI precludes any gaseous or liquid effluent releases.

III. RADIOLOGICAL EFFLUENT RELEASES

As noted in Section II, by design, there are no radioactive liquid or gaseous effluents originating from the ISFSI facility. The annual radiological surveillance performed during this reporting period did not indicate any release of radioactivity from the ISFSI.

IV. SAMPLE ANOMALIES

None.