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PNP 2022-001

10 CFR 72.44

February 24, 2022

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

SUBJECT: 2021 ISFSI Annual Radioactive Effluent Release Report

Big Rock Point  
Dockets 50-155 and 72-043  
License No. DPR-6

Dear Sir or Madam:

In accordance with 10 CFR 72.44(d)(3), Entergy Nuclear Operations, Inc. is submitting the annual independent spent fuel storage installation (ISFSI) radioactive effluent release report for Big Rock Point for the period from January 2021 through December 2021.

This letter contains no new commitments and no revision to existing commitments.

Respectfully,

BED/mrp

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

CC Administrator, Region III, USNRC  
BRP Decommissioning Inspector, USNRC  
NMSS Project Manager, USNRC

## ATTACHMENT

### INDEPENDENT SPENT FUEL STORAGE INSTALLATION ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT

**BIG ROCK POINT**  
**January 2021 – December 2021**

#### 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 10 CFR 72, and the Certificate of Compliance No. 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. 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.