



Entergy Operations, Inc.
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Tel 225-381-4177

Tim Schenk
Manager-Regulatory Assurance

RBG-48136

November 12, 2021

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

Subject: Additional Information for the 2020 Annual Radioactive Effluent
Release Report
River Bend Station – Unit 1
Renewed Operating License No. NPF-47
Docket No. 50-458

The River Bend Station (RBS) Annual Radioactive Effluent Release Report for the period of January 1, 2020 through December 31, 2020 was submitted on April 20, 2021 (ML21110A018). A revised page 24 of the Report is enclosed. Additional information was added to the Solid Waste Summary in the revision.

Should you have any questions regarding the enclosed, please contact Tim Schenk, at (225) 381-4177.

Sincerely,

Tim Schenk
Digitally signed by Tim Schenk
DN: cn=Tim Schenk, o=US, o=River Bend Station, ou=Manager
Regulatory Assurance,
email=tschenk@entergy.com
Date: 2021.11.12 06:25:16 -06'00'

Tim Schenk

TAS/tf

Enclosure: Revised Page 24 of 2020 Annual Radioactive Effluent Release Report

cc: NRC Region IV Regional Administrator, w/o Enclosure
NRC Senior Resident Inspector – River Bend Station, Unit 1
Ji Young Wiley, Department of Environmental Quality, Office of Environmental Compliance, Radiological Emergency Planning and Response Section
NRC Project Manager

Enclosure
Revised Page 24 of 2020 Annual Radioactive
Effluent Release Report

Annual Radioactive Effluent Release Report

Table 10, Major Nuclides

b. Dry compressible waste, contaminated equip, etc.	Cr-51	3.88%	1.79E-02
	Mn-54	2.99%	1.38E-02
	Fe-55	27%	1.25E-01
	Co-60	33.45%	1.55E-01
	Zn-65	1.55%	7.16E-03
	Tc-99	18.09%	8.37E-02
	Cs-134	3.56%	1.65E-02
	Cs-137	3.27%	1.51E-02
	Ce-141	2.58%	1.19E-02
c. Irradiated components, control rods, etc.	N/A	N/A	N/A
Major Nuclide Composition	Isotope	%	Curies
d. Other (Water, EHC, Waste Oil, Etc.)	Cr-51	3.35%	8.93E-04
	Mn-54	3.25%	8.66E-04
	Fe-55	27.38%	7.31E-03
	Co-60	33.59%	8.96E-03
	Zn-65	1.69%	4.52E-04
	Tc-99	17.37%	4.64E-03
	Cs-134	4.05%	1.08E-03
	Cs-137	3.31%	8.82E-04
	Ce-141	2.35%	6.28E-04

Determined by Measurement & Correlation.
 Packaged in Strong, Tight Liners.
 No Solidification Agent or Absorbent Used.

[Note 1] – "Major" radionuclide is equivalent to a "principle" radionuclide, i.e. greater than 1 percent of total activity.