

Bill



General Offices: 212 West Michigan Avenue, Jackson, Michigan 49201 • (517) 788-0550

August 28, 1980

Director, Nuclear Reactor Regulation
Att Mr Dennis M Crutchfield, Chief
Operating Reactors Branch No 5
U S Nuclear Regulatory Commission
Washington, D C 20555

DOCKET 50-155 - LICENSE DPR-6 -
BIG ROCK POINT PLANT - CORRECTION
TO TECHNICAL SPECIFICATION SUBMITTAL
OF DECEMBER 3, 1979 - (RADIOLOGICAL
EFFLUENTS)

Attached are changes to Consumers Power Company's December 3, 1979, submittal
"Response to Request for Added Information on Proposed Technical Specifications
Changes Related to Radiological Effluents."

Table 4-5 of Attachment 5, "Big Rock Point Plant Offsite Dose Calculation Manual
November, 1979 Draft" is the incorrect Table. This Table is for Palisades Gaseous
and Particulate Design Objective Annual Quantities. Additionally, Table 2-2,
Palisades Liquid Effluent Design Objective Annual Quantity was mistakenly submitted.
The correct Tables for Big Rock Point are attached.

David P Hoffman
Nuclear Licensing Administrator

CC Director, Region III, USNRC
NRC Resident Inspector - Big Rock Point

Attachments - 2 pages

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TABLE 4-5

Gaseous and Particulate Effluents
Design Objective Annual Quantities

<u>Nuclide</u>	<u>Limiting Organ</u>	<u>Dose Conversion Factor mRem/Curie</u>	<u>Design Objective Annual Quantity Ci (Curies)</u>
I-131	Thyroid	7.44E+00	2.02E+00
I-133	Thyroid	1.29E-01	1.16E+02
Cs-134	Liver	2.49E+00	6.02E+00
Cs-137	Liver	2.39E+00	6.27E+00
Co-60	GI Tract	1.51E-01	9.93E+01
Mn-54	GI Tract	3.04E-01	4.93E+01
Co-58	GI Tract	2.87E-02	5.23E+02
C-14	GI Tract	6.24E-03	2.40E+03
Ba-140	Bone	2.08E-02	7.21E+02
Noble Gases (1)	Gamma Dose in Air	\bar{E} 1.94E+04	2.30E+05

NOTE:

(1) The average gamma ray energy (\bar{E}) for a diffusion mixture is 0.845 MeV for a pure U-235 fission spectrum.

TABLE 2-2
Liquid Effluents

Design Objective Annual Quantity

<u>Nuclide</u>	<u>Limiting Organ</u>	<u>Dose Conversion Factor (mRem/Curie)</u>	<u>Design Objective Annual Quantity Ci (Curies)</u>
Cs-134	Total Body	3.62E+00	8.29E-01
Cs-137	Total Body	2.16E+00	1.39E+00
Cs-136	Total Body	4.01E+00	7.49E+00
Co-60	Total Body	2.99E-01	1.00E+01
Sr-89	Bone	1.70E-02	5.88E+02
Sr-90	Bone	1.64E-01	6.10E+01
Fe-55	GI Tract	1.41E-02	7.09E+02
Mn-54	GI	7.74E-02	1.29E+02
Zn-65	GI	2.73E-01	3.66E+02
Cr-51	GI	1.58E-03	6.32E+03
Ba-140	GI	2.50E-03	4.01E+03
La-140	GI	2.20E-02	4.55E+02
I-131	Thyroid	4.19E-01	2.39E+01
Co-58	GI Tract	1.13E-02	8.87E+02
H-3	Total Body	1.77E-06	1.69E+06