



A CMS Energy Company
February 25, 2005

Big Rock Point Restoration Project
10269 US-31 North
Charlevoix, MI 49720

Kurt M. Haas
General Manager

Nuclear Regulatory Commission
Document Control Desk
Washington DC 20555-0001

**DOCKETS 50-155 AND 72-043 – LICENSE DPR-6 – BIG ROCK POINT PLANT –
DEFUELED TECHNICAL SPECIFICATION 6.6.1
2004 REGULATORY GUIDE 1.16 APPENDIX A – ANNUAL REPORT OF
OCCUPATIONAL EXPOSURE**

In accordance with Big Rock Point Defueled Technical Specification 6.6.1, find attached The 2004 Annual Occupational Radiation Exposure Report. The report is sorted by work group and job function.

The Regulatory Guide 1.16 Report for the year 2004 is Electronic Dosimeter Dose for people receiving > 100 millirem. The total plant Electronic Dosimeter Dose for 2004 is 64875 millirem. The total plant TLD dose for the year 2004 is 57599 millirem TEDE, of which, 16 millirem is CEDE.

Note: The data file was submitted via the REIRS web page on 02/25/2005.

Kurt M. Haas
Site General Manager

cc: Administrator, Region III, USNRC
USNRC/NMSS Project Manager
USNRC REIRS Project Manager

Attachment

NMSS01
JE56

ATTACHMENT

**CONSUMERS ENERGY COMPANY
BIG ROCK POINT PLANT**

**2004 ANNUAL REPORT DOCUMENTING
OCCUPATIONAL EXPOSURE**

Dated February 25, 2005

Regulatory Guide 1.16 Appendix A Annual Report

For: 2004

Job Function Work Group	Number of personnel (>100mrem)			Total Man-Rem		
	Station	Utility	Contr.&Other	Station	Utility	Contr.&Other
InService Inspection						
Engineering	0	0	0	0.000	0.000	0.000
Maintenance	0	0	0	0.000	0.000	0.000
Operations	0	0	0	0.000	0.000	0.000
Radiation Protection	0	0	0	0.000	0.000	0.000
Supervisory	0	0	0	0.000	0.000	0.000
Refueling						
Engineering	0	0	0	0.000	0.000	0.000
Maintenance	0	0	0	0.000	0.000	0.000
Operations	0	0	0	0.000	0.000	0.000
Radiation Protection	0	0	0	0.000	0.000	0.000
Supervisory	0	0	0	0.000	0.000	0.000
Routine Maintenance						
Engineering	0	0	0	0.000	0.000	0.000
Maintenance	0	0	3	0.000	0.000	0.359
Operations	0	0	0	0.000	0.000	0.000
Radiation Protection	0	0	0	0.000	0.000	0.000
Supervisory	0	0	0	0.000	0.000	0.000
Routine Operations						
Engineering	0	0	0	0.000	0.000	0.000
Maintenance	0	0	6	0.000	0.000	2.243
Operations	0	0	0	0.000	0.000	0.000
Radiation Protection	1	0	3	0.122	0.000	0.460
Supervisory	0	0	1	0.000	0.000	0.161
Special Maintenance						
Special Maintenance	0	0	1	0.000	0.000	0.354
Maintenance	0	0	46	0.000	0.000	33.668
Operations	0	0	0	0.000	0.000	0.000
Radiation Protection	0	0	11	0.000	0.000	4.945
Supervisory	0	0	12	0.000	0.000	11.424
Waste Processing						
Engineering	0	0	0	0.000	0.000	0.000
Maintenance	2	0	0	0.676	0.000	0.000
Operations	0	0	0	0.000	0.000	0.000
Radiation Protection	1	0	3	0.271	0.000	0.886
Supervisory	0	0	1	0.000	0.000	0.134
Totals:						
Engineering			1	0.000	0.000	0.354
Maintenance	2		55	0.676	0.000	36.271
Radiation Protection	2		17	0.394	0.000	6.291
Supervisory			14	0.000	0.000	11.719
GRAND TOTAL:	4	0	87	1.069	0.000	54.634