

October 31, 2006

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

**DOCKETS 50-155 AND 72-043 – LICENSE DPR-6 – BIG ROCK POINT PLANT –  
TRANSMITTAL OF SURVEY PACKAGES IN SUPPORT OF BIG ROCK POINT  
PHASED LICENSE TERMINATION**

References:

1. Big Rock Point to U.S. NRC dated October 30, 2006, Transmittal of Survey Packages in support of big Rock Point Phased License Termination

Attachment 1 contains a matrix of Final status Survey (FSS) record numbers, survey area descriptions, and review status. This attachment is a revision to attachment of our letter dated October 30, 2006. It contains a list of the final status survey release records expected to be submitted in support of our FSS report. This FSS report is expected to be submitted on or around the fifteenth of November. Also attached, are the following survey release records:

**CLASS 1 FINAL STATUS SURVEY RELEASE RECORDS**

- South Radwaste Staging Area (Attachment 2)
- East Radwaste Staging Area (Attachment 3)

These records are being provided to facilitate U.S. Nuclear Regulatory Commission review, as discussed in our April 12, 2006 meeting. Attachments 2 and 3 to this letter comprise those portions of survey packages which may be of use for final review and will be summarized in our FSS report.

The phased release approach is described in Sections 1.4.2 and 5.1.2 of the BRP License Termination Plant (LTP). BRP intends to release site land from the 10 CFR Part 50 license using this phased approach. The first phase includes the majority of the site land scheduled for release after all demolition, remediation and FSS activities associated with plant operation are complete.

BRP LTP Chapter 5 commits BRP to producing FSS package(s) for each survey area and outlines the contents of each supporting survey package.

Nmss01

The intended partial site release supports the process of license termination by demonstrating that an additional portion of the remaining site lands can be released from the Site license. This letter, along with completed and future on-site inspections and letters, provides documentation that demolition activities have been performed in accordance with the LTP.

Your timely review of FSS information and approval of our request to release the associated land is particularly important to the project and smooth transition to an Independent Spent Fuel Storage Installation (ISFSI)-only operation.

If you have any questions or comments on these reports, please contact Ken Pallagi, Radiation Protection and Environmental Services Manager at 231-547-8416.



Kurt M. Haas  
Site General Manager

#### ATTACHMENTS

cc: Administrator, Region III, USNRC (w/o Attachments)  
NRC Decommissioning Inspector, Big Rock Point (w/o Attachments)  
NRC NMSS Project Manager, James Shepherd (w/o Attachments)  
NRC NMSS FSS Reviewer, Bruce Watson  
Michigan Department of Environmental Quality, Thor Strong (w/o Attachments)

ATTACHMENT 1

CONSUMERS ENERGY  
BIG ROCKPOINT

DOCKET NUMBERS 50-155 AND 72-043

TRANSMITTAL OF SURVEY PACKAGES IN SUPPORT OF BIG ROCK POINT PHASED  
LICENSE TERMINATION

MATRIX OF FSS SUPPORTING DOCUMENTATION

October 31, 2006

5 Pages

## MATRIX OF BIG ROCK POINT FINAL STATUS SURVEY REPORTS

SURVEY AREA <sup>1</sup>	RECORD <sup>2</sup> NUMBER	SURVEY AREA DESCRIPTION	PACKAGE SIGNOFF DATE	U.S. NRC REVIEW METHOD	PACKAGE REVIEW DATE	LETTER DATE
<b>CLASS 1 AREAS – FINAL STATUS SURVEY OF SURFACES</b>						
1	01C <sub>1</sub> 1	Class 1 Final Status Release Record, South West Protected Area	10/11/06	Letter		10/13/06
2	02C <sub>1</sub> 1	Class 1 Final Status Release Record, West Central Protected Area	10/11/06	Letter		10/13/06
3	03C <sub>1</sub> 1	Class 1 Final Status Release Record, North West Protected Area	10/16/06	Letter		10/24/06
4	04C <sub>1</sub> 1	Class 1 Final Status Release Record, North Central Protected Area	10/04/06	Letter		10/10/06
5	05C <sub>1</sub> 1	Class 1 Final Status Release Record, Central Protected Area	10/16/06	Letter		10/24/06
6	06C <sub>1</sub> 1	Class 1 Final Status Release Record, South Central Protected Area	10/23/06	Letter		10/24/06
7	07C <sub>1</sub> 1	Class 1 Final Status Release Record, South East Protected Area	10/24/06	Letter		10/27/06
8	08C <sub>1</sub> 1	Class 1 Final Status Release Record, East Central Protected Area	10/25/06	Letter		10/27/06
9	09C <sub>1</sub> 1	Class 1 Final Status Release Record, North East Protected Area	10/04/06	Letter		10/13/06
10	10C <sub>1</sub> 1	Class 1 Final Status Release Record, East Protected Area	10/25/06	Letter		10/27/06
11 <sup>3</sup>	North 11C <sub>1</sub> 1	Class 1 Final Status Release Record, North Radwaste Staging Area	10/25/06	Letter		10/27/06
11	South 11C <sub>1</sub> 1	Class 1 Final Status Release Record, South Radwaste Staging Area	10/25/06	Letter		10/31/06
15	15(2R)C <sub>1</sub> 1	Class 1 Final Status Release Record, Woods Road Storage Area	05/23/06	On-Site Inspection and Letter	06/13-14/06	10/9/06
20	20C <sub>1</sub> 1	Class 1 Final Status Release Record, East Radwaste Staging Area	10/30/06	Letter		10/31/06
23	23C <sub>1</sub> 1	Class 1 Final Status Release Record, North Protected Area	10/05/06	Letter		10/10/06
24	24C <sub>1</sub> 1	Class 1 Final Status Release Record, South Protected Area				
Discharge Canal <sup>4</sup>	Canal C <sub>1</sub> 1	Class 1 Final Status Survey, Discharge Canal	01/27/05	On-Site Inspection and Letter	06/13-14/06	10/9/06
<b>CLASS 1 AREAS- EXCAVATED SOIL FINAL STATUS SURVEYS<sup>5</sup></b>						
2	02Cx <sub>1</sub> 1	Class 1 Final Status Survey, Excavated Soil from Retention Pond Construction	10/13/2004	On-Site Inspection and Letter	06/13-14/06	10/9/06
8	08Cx <sub>1</sub> 1	Class 1 Final Status Survey, Excavated Soil from Turbine Building Subfloor	05/16/05	On-Site Inspection and Letter	06/13-14/06	10/9/06
9	09Cx <sub>1</sub> 1	Class 1 Final Status Survey, Excavated Soil from Screenhouse Area	12/09/04	On-Site Inspection and Letter	06/13-14/06	10/9/06
9	09Cx <sub>2</sub> 1	Class 1 Final Status Survey, Excavated Soil from Screenhouse Area	12/08/04	On-Site Inspection and letter	06/13-14/06	10/9/06

<sup>1</sup> Survey Area Map – Big Rock Point License Termination Plan, Chapter 5, figure 5-3, Initial Land Area Survey Units

<sup>2</sup> Record Number nomenclature is defined in Procedure RM-76, Final Status Survey Design, step 6.2, Survey Unit Nomenclature

<sup>3</sup> Surface of survey unit 11 was divided into North and South areas due to intermediate use of land between the quarry survey and the final surface survey (served as solid Radwaste storage yard in interim.)

<sup>4</sup> Discharge Canal is North East of the Protected Area

<sup>5</sup> Soils removed from Class 1 Area excavations

## MATRIX OF BIG ROCK POINT FINAL STATUS SURVEY REPORTS

SURVEY AREA <sup>1</sup>	RECORD <sup>2</sup> NUMBER	SURVEY AREA DESCRIPTION	PACKAGE SIGNOFF DATE	U.S. NRC REVIEW METHOD	PACKAGE REVIEW DATE	LETTER DATE
9	09Cx <sub>3</sub> l	Class 1 Final Status Survey, Excavated Soil from Screenhouse Area	12/09/04	On-Site Inspection and letter	06/13-14/06	10/9/06
9	09Cx <sub>4</sub> l	Class 1 Final Status Survey, Excavated Soil from Screenhouse Area	12/09/04	On-Site Inspection and letter	06/13-14/06	10/9/06
9	09Cx <sub>5</sub> l	Class 1 Final Status Survey, Excavated Soil from Screenhouse Area	12/14/04	On-Site Inspection and letter	06/13-14/06	10/9/06
9	09Cx <sub>6</sub> l	Class 1 Final Status Survey, Excavated Soil from Screenhouse Area	01/19/05	On-Site Inspection and Letter	06/13-14/06	10/9/06
9	09Cx <sub>7</sub> l	Class 1 Final Status Survey, Excavated Soil from Screenhouse Area	05/16/05	On-Site Inspection and Letter	06/13-14/06	10/9/06
11	11Cx <sub>1</sub> l	Class 1 Final Status Survey, Excavated Soil from Radwaste Storage Vaults	10/13/04	On-Site Inspection and Letter	06/13-14/06	10/9/06
Slurry <sup>6</sup> Wall	Slurry Wall Cx <sub>1</sub> l	Class 1 Final Status Survey, Excavated Soil from Slurry Wall Construction	12/08/04	On-Site Inspection and Letter	06/13-14/06	10/9/06
Slurry Wall	Slurry Wall Cx <sub>2</sub> l	Class 1 Final Status Survey, Excavated Soil from Slurry Wall Construction	12/20/04	On-Site Inspection and Letter	06/13-14/06	10/9/06
Turbine Building <sup>7</sup>	TBCx <sub>1</sub> l	Class 1 Supporting Survey– Soil Excavated from Turbine Building Demolition Area, Supporting Subsurface Structure and Component Removal	08/24/05	On-Site Inspection and Letter	06/13-14/06	10/9/06
Turbine Building	TBCx <sub>2</sub> l	Class 1 Supporting Survey– Soil Excavated from Turbine Building Demolition Area, Supporting Subsurface Structure and Component Removal	10/13/05	On-Site Inspection and Letter	06/13-14/06	10/9/06
Turbine Building	TBCx <sub>3</sub> l	Class 1 Supporting Survey– Soil Excavated from Turbine Building Demolition Area, Supporting Subsurface Structure and Component Removal	11/23/05	On-Site Inspection and Letter	06/13-14/06	10/9/06
Turbine Building	TBCx <sub>4</sub> l	Class 1 Supporting Survey– Soil Excavated from Turbine Building Demolition Area, Supporting Subsurface Structure and Component Removal	11/23/05	On-Site Inspection and Letter	06/13-14/06	10/9/06
Turbine Building	TBCx <sub>5</sub> l	Class 1 Supporting Survey– Soil Excavated from Turbine Building Demolition Area, Supporting Subsurface Structure and Component Removal	01/06/06	On-Site Inspection and Letter	06/13-14/06	10/9/06
Turbine Building	TBCx <sub>6</sub> l	Class 1 Supporting Survey– Soil Excavated from Turbine Building Demolition Area, Supporting Subsurface Structure and Component Removal	07/03/06	On-Site Inspection and Letter	06/13-14/06	10/9/06
Turbine Building	TBCx <sub>7</sub> l	Class 1 Supporting Survey– Soil Excavated from Turbine Building Demolition Area, Supporting Subsurface Structure and Component Removal	07/05/06	On-Site Inspection and Letter	06/13-14/06	10/9/06

<sup>6</sup> Slurry Wall crossed several survey areas on the east, south, and west sides of the protected area.

<sup>7</sup> Turbine building excavation was beneath survey areas 5, 6, and 8

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Turbine Building	TBCx <sub>8</sub> l	Class 1 Supporting Survey – Relocated Soil from Turbine Building/Containment Demolition	07/03/06	On-Site Inspection and Letter	06/13-14/06	10/9/06
Turbine Building	TBCx <sub>9</sub> l	Class 1 Supporting Survey – Relocated Soil from Turbine Building/Containment Demolition	07/03/06	On-Site Inspection and Letter	06/13-14/06	10/9/06
Turbine Building	TBCx <sub>10</sub> l	Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building/Containment Demolition	08/03/06	Letter		8/24/06
Turbine Building	TBCx <sub>11</sub> l	Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building/Containment Demolition	08/14/06	Letter		8/24/06
Turbine Building	TBCx <sub>12</sub> l	Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building/Containment Demolition	9/6/06	Letter		9/20/06
Turbine Building	TBCx <sub>13</sub> l	Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building/Containment Demolition	9/6/06	Letter		9/20/06
Turbine Building	TBCx <sub>14</sub> l	Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building/Containment Demolition	09/15/06	Letter		10/10/06
Turbine Building	TBCx <sub>14</sub> l	Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building/Containment Demolition	10/23/06	Letter		10/24/06
<b>CLASS 1 AREAS – FINAL STATUS SURVEY – SUBSURFACE (QUARRY)</b>						
9	09Cq <sub>1</sub> l	Class 1 Final Status Survey, Screenhouse Area Excavation	12/20/04	On-Site Inspection and Letter	06/13-14/06	10/9/06
11	11Cq <sub>1</sub> l	Class 1 Final Status Survey, Solid Radwaste Storage Area Excavation	10/13/04	On-Site Inspection and Letter	06/13-14/06	10/9/06
Containment <sup>8</sup>	CSCq <sub>1</sub> l	Excavated Surface Supporting Survey Release Record – Base Elevation Survey of Containment Structure Excavation	08/03/06	Letter		8/24/06
Circulating Water Piping	CWCq <sub>1</sub> l	Excavated Surface Supporting Survey Release Record – Base Elevation Survey of Circulating Water Piping Excavation	08/07/06	Letter		8/24/06
Turbine Building	East TBCq <sub>1</sub> l	Class 1 Final Status Release Record, Turbine Building East Excavation Surface	03/30/06	Letter		4/03/06
Turbine Building	West TBCq <sub>1</sub> l	Excavated Surface Supporting Survey Release Record – Base Elevation Survey of the Turbine Building Excavation Following Removal of West-Side Foundations and Subsurface Components	08/14/06	Letter		8/24/06

<sup>8</sup> Containment quarry was beneath survey areas 4, 5, 8, and 9. Circulation Water quarry was beneath survey areas 7, 8, 9, and 10. Turbine Building quarry was beneath survey areas 5, 6, and 8

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SURVEY AREA <sup>1</sup>	RECORD <sup>2</sup> NUMBER	SURVEY AREA DESCRIPTION	PACKAGE SIGNOFF DATE	U.S. NRC REVIEW METHOD	PACKAGE REVIEW DATE	LETTER DATE
<b>CLASS 2 AREAS – FINAL STATUS SURVEY OF SURFACE</b>						
12	12C <sub>1,2</sub>	Class 2 Final Status Survey Release Record, Shoreline North of the Protected Area	08/14/06	Letter		8/24/06
15	15(1)C <sub>1,2</sub>	Class 2 Final Status Survey Release Record, Eastern Section Woods Road Area	10/26/06	Letter		10/30/06
15	15(2)C <sub>1,2</sub>	Class 2 Final Status Survey Release Record, Central Section Woods Road Area	08/09/06	Letter		8/24/06
16	16C <sub>1,2</sub>	Class 2 Final Status Survey Release Record, Shoreline East of Breakwall	08/14/06	Letter		8/24/06
19	North19C <sub>1,2</sub>	Class 2 Final Status Survey Release Record, North West Transport Route	10/27/06	Letter		10/30/06
19	South19C <sub>1,2</sub>	Class 2 Final Status Survey Release Record, South West Transport Route				
21	North21C <sub>1,2</sub>	Class 2 Final Status Survey Release Record, North East Transport Route				
21	South21C <sub>1,2</sub>	Class 2 Final Status Survey Release Record, South East Transport Route				
22	East22C <sub>1,2</sub>	Class 2 Final Status Survey Release Record, East Powerline Corridor				
22	West22C <sub>1,2</sub>	Class 2 Final Status Survey Release Record, West Powerline Corridor				
26	26C <sub>1,2</sub>	Class 2 Final Status Release Record, Drainage Ditch, South and West of the Industrial Area				
Septic Drain Field <sup>9</sup>	DFC <sub>1,2</sub>	Class 2 Final Status Survey Release Record, Septic Field Drain	08/14/06	Letter		8/24/06
<b>CLASS 2 AREAS – EXCAVATED SOIL FINAL STATUS SURVEYS</b>						
12	12Cx <sub>1,2</sub>	Class 2 Final Status Survey Record, Excavated Soil from Building Construction	12/07/04	On-Site Inspection and Letter	06/13-14/06	10/9/06
19	19Cx <sub>1,2</sub>	Class 2 Final Status Survey Record, Excavated Soil from Storm Drain Modification	12/02/04	On-Site Inspection and Letter	06/13-14/06	10/9/06

<sup>9</sup> Septic Field Drain survey area is contained within survey area 15(1)

## MATRIX OF BIG ROCK POINT FINAL STATUS SURVEY REPORTS

SURVEY AREA <sup>1</sup>	RECORD <sup>2</sup> NUMBER	SURVEY AREA DESCRIPTION	PACKAGE SIGNOFF DATE	U.S. NRC REVIEW METHOD	PACKAGE REVIEW DATE	LETTER DATE
<b>CLASS 3 AREAS – FINAL STATUS SURVEY OF SURFACE</b>						
13	13C <sub>13</sub>	Class 3 Final Status Survey Release Record, Shoreline East of the Industrial Site	08/14/06	Letter		8/24/06
14	14C <sub>13</sub>	Class 3 Final Status Survey Release Record, Shoreline West of the Industrial Site	08/17/06	Letter		8/24/06
17	17C <sub>13</sub>	Class 3 Final Status Survey Release Record, East Woods Boundary	10/26/06	Letter		10/30/06
18	18C <sub>13</sub>	Class 3 Final Status Survey Release Record, Wooded Area West of Industrial Site	07/03/06 <sup>10</sup>	On-Site Inspection and Letter	06/13-14/06	10/9/06
25	25C <sub>13</sub>	Class 3 Final Status Survey Release Record, South Woods Boundary				
59	59C <sub>13</sub>	Class 3 Final Status Survey Release Record, Soil Storage Area South of US 31	07/03/06	On-Site Inspection and Letter	06/13-14/06	10/9/06

<sup>10</sup> Revisions to packages signed after NRC review were administrative only – no changes to technical content.