

August 24, 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 EXCAVATED SURFACE SURVEYS, RELOCATED SOIL SURVEYS
AND FINAL STATUS SURVEY PACKAGES IN SUPPORT OF BIG ROCK POINT
PHASED LICENSE TERMINATION**

References:

1. U.S. NRC to Big Rock Point dated March 24, 2005, Big Rock Point – Issuance of Amendment 126 to Approve the License Termination Plan (TAC No. L52096)
2. Big Rock Point to U.S. NRC dated September 27, 2005, Revision 2, of the Big Rock Point License Termination Plan
3. Big Rock Point to U.S. NRC dated April 3, 2006, Letter of Intent Concerning the Release of Part of the Big Rock Point Site Property from the 10 CFR Part 50 License
4. U.S. NRC to Big Rock Point dated April 25, 2006, Report of April 12, 2006, Meeting to Discuss Partial Site Release and Final Status Survey Report Content

Attachment 1 contains a matrix of Final Status Survey (FSS) Record Numbers, Survey Area Descriptions, and review status. Also attached, are the following survey release records:

EXCAVATED SURFACE SUPPORTING SURVEY RELEASE RECORDS

- Base Elevation Survey of the Turbine Building Excavation Following Removal of West-Side Foundations and Subsurface Components (Attachment 2)
- Base Elevation Survey of Containment Structure Excavation (Attachment 3)
- Base Elevation Survey of Circulating Water Piping Excavation (Attachment 4)

RELOCATED SOIL SUPPORTING SURVEY RELEASE RECORDS

- Relocated Soils from Turbine Building/Containment Demolition (Attachment 5)
- Relocated Soils from Turbine Building/Containment Demolition (Attachment 6)

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CLASS 2 FINAL STATUS SURVEY RELEASE RECORDS

- Shoreline North of the Protected Area (Attachment 7)
- Central Section Woods Road Area (Attachment 8)
- Shoreline East of Breakwall (Attachment 9)
- Septic Drain Field (Attachment 10)

CLASS 3 FINAL STATUS SURVEY RELEASE RECORDS

- Shoreline East of the Industrial Site (Attachment 11)
- Shoreline West of the Industrial Site (Attachment 12)

These records are being provided to facilitate U.S. Nuclear Regulatory Commission review, as discussed in our April 12, 2006 meeting. Following completion of decommissioning activities and FSS of all survey units, Big Rock Point (BRP) will compile an FSS report to address the areas where decommissioning or remediation tasks are complete and the criteria of 10 CFR 20.1402 have been met and shall summarize surveys supporting the release of site land from the 10 CFR 50 license. Attachments 2 through 12 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. This FSS report is expected to be submitted on or around the fifteenth of November.

The phased release approach is described in Sections 1.4.2 and 5.1.2 of the BRP License Termination Plan (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. During the July 2006 NRC Region III inspection and ORISE confirmatory survey, several (29) packages were reviewed, and have not been included in this submittal.

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 II, USNRC
NRC Decommissioning Inspector, Big Rock Point
NRC NMSS Project Manager, James Shepherd
NRC NMSS FSS Reviewer, Bruce Watson
Michigan Department of Environmental Quality, Thor Strong

ATTACHMENT 1

**CONSUMERS ENERGY
BIG ROCKPOINT**

DOCKET NUMBERS 50-155 AND 72-043

**TRANSMITTAL OF EXCAVATED SURFACE SURVEYS, RELOCATED SOIL SURVEYS
AND FINAL STATUS SURVEY PACKAGES IN SUPPORT OF BIG ROCK POINT PHASED
LICENSE TERMINATION**

MATRIX OF FSS SUPPORTING DOCUMENTATION

August 24, 2006

5 Pages

MATRIX OF BIG ROCK POINT FINAL STATUS SURVEY REPORT SUPPORTING DOCUMENTATION

| RECORD NUMBER | SURVEY AREA DESCRIPTION | SURVEY PACKAGE SIGNOFF DATE | METHOD OF U.S. NRC REVIEW | PACKAGE REVIEW DATE | LETTER DATE |
|---------------------|--------------------------------------------------------------------------------------|-----------------------------|---------------------------|---------------------|-------------|
| 02Cx ₁ 1 | Class 1 Final Status Release Record, Excavated Soil from Retention Pond Construction | 10/13/2004 | On-Site Inspection | 06/13-14/2006 | |
| 08Cx ₁ 1 | Class 1 Final Status Release Record, Excavated Soil from Turbine Building Subfloor | 05/16/2005 | On-Site Inspection | 06/13-14/2006 | |
| 09C ₁ 1 | Class 1 Final Status Release Record, Screenhouse Area Excavation | 12/20/2004 | On-Site Inspection | 06/13-14/2006 | |
| 09Cx ₁ 1 | Class 1 Final Status Release Record, Excavated Soil from Screenhouse Area | 12/09/2004 | On-Site Inspection | 06/13-14/2006 | |
| 09Cx ₂ 1 | Class 1 Final Status Release Record, Excavated Soil from Screenhouse Area | 12/08/2004 | On-Site Inspection | 06/13-14/2006 | |
| 09Cx ₃ 1 | Class 1 Final Status Release Record, Excavated Soil from Screenhouse Area | 12/09/2004 | On-Site Inspection | 06/13-14/2006 | |
| 09Cx ₄ 1 | Class 1 Final Status Release Record, Excavated Soil from Screenhouse Area | 12/09/2004 | On-Site Inspection | 06/13-14/2006 | |
| 09Cx ₅ 1 | Class 1 Final Status Release Record, Excavated Soil from Screenhouse Area | 12/24/2004 | On-Site Inspection | 06/13-14/2006 | |
| 09Cx ₆ 1 | Class 1 Final Status Release Record, Excavated Soil from Screenhouse Area | 01/20/2005 | On-Site Inspection | 06/13-14/2006 | |
| 09Cx ₇ 1 | Class 1 Final Status Release Record, Excavated Soil from Screenhouse Area | 05/16/2005 | On-Site Inspection | 06/13-14/2006 | |
| 11C ₁ 1 | Class 1 Final Status Release Record, Solid Radwaste Storage Area | 10/13/2004 | On-Site Inspection | 06/13-14/2006 | |
| 11Cx ₁ 1 | Class 1 Final Status Release Record, Excavated Soil from Radwaste Vaults | 10/13/2004 | On-Site Inspection | 06/13-14/2006 | |
| 12C ₁ 2 | Class 2 Final Status Survey Release Record, Shoreline North of the Protected Area | 08/14/2006 | Letter | | 8/24/2006 |

MATRIX OF BIG ROCK POINT FINAL STATUS SURVEY REPORT SUPPORTING DOCUMENTATION

| RECORD NUMBER | SURVEY AREA DESCRIPTION | SURVEY PACKAGE SIGNOFF DATE | METHOD OF U.S. NRC REVIEW | PACKAGE REVIEW DATE | LETTER DATE |
|-----------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------|---------------------|-------------|
| 12Cx ₁₂ | Class 2 Final Status Release Record, Excavated Soil from Building Construction | 12/07/2004 | On-Site Inspection | 06/13-14/2006 | |
| 13C ₁₃ | Class 3 Final Status Survey Release Record, Shoreline East of the Industrial Site | 08/14/2006 | Letter | | 8/24/2006 |
| 14C ₁₃ | Class 3 Final Status Survey Release Record, Shoreline West of the Industrial Site | 08/17/2006 | Letter | | 8/24/2006 |
| 15(2)C ₁₂ | Class 2 Final Status Survey Release Record, Central Section Woods Road Area | 08/09/2006 | Letter | | 8/24/2006 |
| 15(2R)C ₁₁ | Class 1 Final Status Release Record, Woods Road Storage Area | 05/23/2006 | On-Site Inspection | 06/13-14/2006 | |
| 16C ₁₂ | Class 2 Final Status Survey Release Record, Shoreline East of Breakwall | 08/14/2006 | Letter | | 8/24/2006 |
| 18C ₁₃ | Class 3 Final Status Release Record, Wooded Area West of Industrial Area | 07/03/2006 ¹ | On-Site Inspection | 06/13-14/2006 | |
| 19Cx ₁₂ | Class 2 Final Status Release Record, Excavated Soil from Storm Drain Modification | 12/02/2004 | On-Site Inspection | 06/13-14/2006 | |
| 59C ₁₃ | Class 3 Final Status Release Record, Land Area South of US 31 | 07/03/2006 | On-Site Inspection | 06/13-14/2006 | |
| Canal C ₁₁ | Class 1 Final Status Survey of Discharge Canal Area | 01/27/2005 | On-Site Inspection | 06/13-14/2006 | |
| CSCq ₁₁ | Excavated Surface Supporting Survey Release Record – Base Elevation Survey of Containment Structure Excavation | 08/03/2006 | Letter | | 8/24/2006 |

¹ Revisions to packages signed after NRC review were administrative only – no changes to technical content.

MATRIX OF BIG ROCK POINT FINAL STATUS SURVEY REPORT SUPPORTING DOCUMENTATION

| RECORD NUMBER | SURVEY AREA DESCRIPTION | SURVEY PACKAGE SIGNOFF DATE | METHOD OF U.S. NRC REVIEW | PACKAGE REVIEW DATE | LETTER DATE |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------|---------------------|-------------|
| CWCq ₁ 1 | Excavated Surface Supporting Survey Release Record – Base Elevation Survey of Circulating Water Piping Excavation | 08/07/2006 | Letter | | 8/24/2006 |
| DFC ₂ | Class 2 Final Status Survey Release Record, Septic Field Drain | 08/14/2006 | Letter | | 8/24/2006 |
| SlurryWall Cx ₁ 1 | Class 1 Final Status Release Record, Excavated Soil from Slurry Wall Construction | 12/08/2004 | On-Site Inspection | 06/13-14/2006 | |
| SlurryWall Cx ₂ 1 | Class 1 Final Status Release Record, Excavated Soil from Slurry Wall Construction | 12/20/2004 | On-Site Inspection | 06/13-14/2006 | |
| East TBCq ₁ 1 | Class 1 Final Status Release Record, Turbine Building East Excavation Surface | 03/30/2006 | Letter | | 04/03/2006 |
| West TBCq ₁ 1 | Excavated Surface Supporting Survey Release Record – Base Elevation Survey of the Turbine Building Excavation Following Removal of West-Side Foundations and Subsurface Components | 08/14/2006 | Letter | | 8/24/2006 |
| TBCx ₁ 1 | Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building Demolition | 08/24/2005 | On-Site Inspection | 06/13-14/2006 | |
| TBCx ₂ 1 | Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building Demolition | 10/13/2005 | On-Site Inspection | 06/13-14/2006 | |
| TBCx ₃ 1 | Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building Demolition | 11/23/2005 | On-Site Inspection | 06/13-14/2006 | |
| TBCx ₄ 1 | Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building Demolition | 11/23/2005 | On-Site Inspection | 06/13-14/2006 | |

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|----------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------|---------------------|-------------|
| TBCx ₅ 1 | Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building Demolition | 01/06/2006 | On-Site Inspection | 06/13-14/2006 | |
| TBCx ₆ 1 | Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building Demolition | 07/03/2006 | On-Site Inspection | 06/13-14/2006 | |
| TBCx ₇ 1 | Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building Demolition | 07/05/2006 | On-Site Inspection | 06/13-14/2006 | |
| TBCx ₈ 1 | Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building/Containment Demolition | 07/03/2006 | On-Site Inspection | 06/13-14/2006 | |
| TBCx ₉ 1 | Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building/Containment Demolition | 07/03/2006 | On-Site Inspection | 06/13-14/2006 | |
| TBCx ₁₀ 1 | Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building/Containment Demolition | 08/03/2006 | Letter | | 8/24/2006 |
| TBCx ₁₁ 1 | Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building/Containment Demolition | 08/14/2006 | Letter | | 8/24/2006 |
| TBCx ₁₂ 1 | Class 1 Relocated Soil Supporting Survey Release Record – Relocated Soils from Turbine Building/Containment Demolition | | | | |

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