

### **ATTACHMENT 3 ENVIRONMENTAL ASSESSMENT**

1. Describe any change to the types, characteristics, or quantities of non-radiological effluents discharged to the environment as a result of the proposed exemption.

There are no expected changes in the types, characteristics, or quantities of non-radiological effluents discharged to the environment associated with the proposed exemption. This application is associated with implementation of security changes. The exemption will not result in changes to the design basis requirements for the structures, systems and components (SSCs) at the Big Rock Point (BRP) Independent Spent Fuel Storage Installation (ISFSI), that function to limit the release of non-radiological effluents during and following postulated accidents. The SSCs associated with limiting the release of offsite non-radiological effluents will therefore continue to be able to perform their functions, and as a result; there is no significant non-radiological effluent impact. There are no materials or chemicals being introduced that could affect the characteristics or types of non-radiological effluents.

2. Describe any changes to liquid radioactive effluents discharged as a result of the proposed exemption.

There are no liquid radioactive effluents from the BRP ISFSI, and therefore, there are no expected changes to the liquid radioactive effluents discharged as a result of this exemption. The exemption will not result in changes to the design basis requirements for the SSCs at the BRP ISFSI.

3. Describe any changes to gaseous radioactive effluents discharged as a result of the proposed exemption.

There are no gaseous radioactive effluents from the BRP ISFSI, and therefore, there are no expected changes to the gaseous radioactive effluents discharged as a result of this exemption. The exemption will not result in changes to the design basis requirements for the SSCs at the BRP ISFSI that function to limit the release of gaseous radiological effluents during and following postulated accidents.

4. Describe any change in the type or quantity of solid radioactive waste generated as a result of the proposed exemption.

There are no expected changes in the type or quantity of solid radioactive waste generated as a result of the proposed exemption. The exemption will not result in changes to the design basis requirements for the SSCs at the BRP ISFSI that function to limit the release of solid waste during and following postulated accidents.

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5. What is the expected change in occupational dose as a result of the proposed exemption under normal and design basis accident conditions?

There would be no expected radiological impact on either the workforce or the public. There are no other expected changes in normal occupational doses.

6. What is the expected change in the public dose as a result of the proposed change under normal and design basis accidents (DBA) conditions?

Dose to the public will not be changed by the proposed exemption.

7. What is the impact to land disturbance for the proposed security exemption?

There is no impact to land disturbance as a result of the proposed security exemption.

**Conclusion:**

There is no significant radiological environmental impact associated with the proposed exemption at the BRP ISFSI. The proposed exemption will not affect any historical sites, nor will they affect non-radiological effluents.