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NRC to Discuss 2024 Performance of Byron Nuclear Power Plant

Nuclear Regulatory Commission staff will discuss the 2024 safety performance of the Byron nuclear power plant during an in-person open house April 2. The two-unit plant, in Byron, Illinois, is operated by Constellation Energy.

The open house will be held from 5-6 p.m. Central at the Byron Community Room, 131 N. Washington St., in Byron. Members of the public will have an opportunity to speak directly with NRC staff.

The NRC will discuss its assessment of the plant's 2024 performance. Staff responsible for plant inspection and oversight, including the resident inspectors based at the site, will be available to address any regulatory or technical questions and concerns.

The NRC determined that Byron operated safely during 2024. All inspection findings and performance indicators were green or very low safety significance. As a result, the plant remains under the NRC's baseline level of oversight, which entails thousands of hours of inspection each year.

The NRC Reactor Oversight Process uses color-coded inspection findings and indicators to measure plant performance. The colors start at green and increase to white, yellow or red, based on the safety significance of the issues involved. Inspection findings or performance indicators with more than a very low safety significance trigger an increase of NRC oversight.

Plant inspections are performed by two NRC resident inspectors and inspection specialists from the agency's Region III Office in Naperville, Illinois.

The annual assessment letter for Byron is available on the NRC website. Current performance information for Unit 1 and Unit 2 is also available on the NRC website and updated on a quarterly basis.