

**FILE**

**Ohio Power Siting Board**

**Staff Investigation Report and Recommendation**

**Case No.:** 10-423-EL-BNR

**Project:** Edgewater Substation 138 kV Substation Bus Relocation

**Applicant:** American Transmission Systems, Inc.

**Report Date:** 5 May 2010

**Automatic Approval Date:** 14 May 2010 (Construction Notice process)

**Waiver Request:** None

**Inspection Date(s):** 4 May 2010

**Staff Assigned:** J. O'Dell

**Summary of Staff Recommendations (see report text for discussion):**

Application:  Approval     Disapproval     Approval with Conditions  
Waiver:         Approval         Disapproval         Not Applicable

**Summary of Staff Recommended Conditions (see report text for discussion):**

- None

**Projected Docket Closure Date (if automatically approved):** 31 December 2012

**Investigation Report**

**Project Description:** This project involves the relocation of an existing 138 kV strain bus line. The strain bus line currently utilizes a support structure that is located on top of the boiler house and turbine building at the Edgewater generating station. The Edgewater generating station has been retired and the building will be scheduled for demolition. The relocation will require one new steel pole, a new dead end structure and approximately 160 feet of conductors.

**Site Description:** The entire project is within the boundaries of the Applicant's Edgewater Plant. The new strain bus will span an open, paved area between the fence lines of the 69 kV and 138 kV substations. This project is located in the City of Lorain, Lorain County.

**Discussion/Comments/Concerns:** The construction of this project should pose only minimal negative social and ecological impacts.

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