

CENWP-OD-D

DATE: 21 MARCH 2006

SUBJECT: JOHN DAY T-1 FAILURE STATUS REPORT

1. Currently JD has assembled a technical team of folks from Engineering, HT&E, and JD electrical maintenance to assess the following:
 - A. Analyze what happened (i.e. cause of failure)
 - B. Assess what has been damaged; and then
 - C. Develop our options.
2. Known:
 - A. John Day's T-1 bank of transformers suffered a fault to ground on 2 March 2006.
 - B. We have 3 damaged (all 3 phases) low side bushings, downstream, Oregon side. Very probable that the adjacent 3 bushings are also damaged.
 - C. We have damage to the Isophase busing between the breakers and the low side bushings.
 - D. Post failure testing, to date, have produced some unfavorable results.
3. Plan:
 - A. Ongoing work:
 - a) We are continuing initial electrical testing to determine the health of electrical components.
 - b) We have set up a purchase request for seven new replacement bushings. Currently it is in NWP contracting
 - c) Working to acquire three temporary replacement bushings from NWW.
 - d) We are Coordinating with BPA for oil handling, storage & processing + SFRA testing. We are attempting to acquire assistance from BPA under the existing MOA for maintenance and repairs (Contract No. 01TX-10379) between the Corps and BPA.
 - e) We are inspecting and cleaning the isophase bus between the breakers and the low side bushings.
 - B. Near Future Work:
 - a) Will need to Partially drain T-1 phase A, B & C transformers.
 - b) Replace faulted bushings with temporary replacements.
 - c) Finish electrical tests on Y winding.
 - d) Evaluate test results.
4. Test result will allow us to better understand our options. We are continuing to evaluate possible scenarios to support fish passage. We will continue to keep folks apprised of our finding and bring everyone together to work through possible options.

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Kimberley C. Oldham
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John Day Project

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