



Standing Operation Procedure

07

John Day Lock and Dam

FINGERLING BYPASS CONDUIT DEWATERING



US Army Corps
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John Day/Willow
Creek Project

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07, October 2012

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This Standing Operating Procedure (SOP) *Fingerling Bypass Conduit Dewatering Plan* provides a working tool that can be used to document routine procedures for John Day Lock and Dam / Willow Creek Project.

The proponent office for this document is the John Day Lock and Dam / Willow Creek / Operations Division staff and any questions or comments should be directed to this office at:

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Review. This document will be reviewed at a minimum of annually or if conditions change.

History. This is the initial publication of a Policy for this titled subject.

No changes to this document shall be made without concurrence of Management. Any change must be approved by the Project Operations Manager.

Current Approved Version (06 October 2012). Printed copies are for "Information Only." The controlled version resides on the CENWP-OD-J Shared Documents SharePoint portal.



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Record of Review and Changes

Change No.	Page/Paragraph/Section:	Statement of Review or Change	Date:	Approval:
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1.0 Purpose.

This U.S. Army Corp of Engineers, Northwestern Division, Portland District, John Day Lock and Dam / Willow Creek Standing Operational Procedure (SOP), prescribes a Fingerling Bypass (FBS) Conduit Dewatering procedure for John Day Lock and Dam.

2.0 Applicability.

This SOP is applicable to all John Day Lock and Dam / Williwow Creek employees. The Fingerling Bypass (FBS) Conduit is dewatered annually for structural inspection and winter maintenance (December, January, February). Fisheries will coordinate dates and times for outage with all involved project personnel, COE Portland District and regional fish managers.

3.0 References.

FishPassagePlan

4.0 Related Procedures.

Safety: The Fingerling Bypass Conduit is considered a Permit required Confined Space due to the restrictive entry and exit. Because of the possibility of atmospheric danger, an oxygen (O₂) sensor must be deployed. Footing is very slippery and felt soles should be worn to reduce the chance of falling. A Confined Space Permit must be part of the Safety Clearances "Lock-Out Tag-Out".

5.0 Definitions.

The Fingerling Bypass Conduit is dewatered annually for winter maintenance (December, January, February). Juvenile and adult steelhead are commonly found during dewatering process. Most fish move downstream with receding water on their own volition. However there are occasions when removal and transport for release are needed. Salmonids take priority over resident fish during salvage operations. . Attempts will be made to release adult fish in forebay and juvenile fish in tailrace, but removal location and added stress of transport will be considered in the determination. Personnel enter and exit the channel via extension ladder placed at the Tainter Gate.

6.0 Responsibilities.

Operations (JDO): JDO is designated as the group that will close all except six (6) orifices the night prior to dewatering and set the Tainter gate at 1.4 feet in manual. JDO will make adjustments and hang clearances as necessary.

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Structural (JDS): JDS will provide extension ladder at access location. Request safety clearance for Confined Space entry.

Mechanical (JDM): Schedule necessary preventative maintenance.

Electrical (JDE): Schedules necessary preventative maintenance.

Fisheries (JDF): Coordinates dates and times for outage with all involved project personnel, COE Portland District and regional fish managers. Requests Safe Clearance (Lock out/Tag out). Conducts a pre-work/safety meeting which covers; Activity Hazard Analysis, job responsibilities, radio contact plan, preparations status.

7.0 Procedures

Preparation:

JDO

- 1) Set Tainter Gate at 1.5 feet in manual and close all Orifices except MU15 and MU16 the night prior to dewatering
- 2) Raise and block out Tainter Gate day of dewatering.
- 3) Notify rescue personnel prior to start of dewatering
- 4) Hang necessary clearance cards and locks
- 5) Immediately before dewatering:
 - a) Close and tag orifices at MU15 and MU16

JDS

- 1) Provide extension ladder at access location
- 2) Notify project of potential deck blockages
- 3) Request safety clearance for Confined Space entry

JDF

- 1) Inspect and Salvage any fish from the FBS Conduit using nets and bags
- 2) Inspect and Salvage any fish entrained in the FBS Channel from the Ogee to the Outfall.

8.0 Records & Measurements.

8.1 SOP's on Sharepoint and station SOP folder.

8.2 Call-out list of personnel in the Control room.

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Approving Signature

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