



**Standing Operation Procedure
12
John Day Lock and Dam**

**SOUTH FISHWAY COLLECTION CHANNEL
DEWATERING**



**US Army Corps
of Engineers®**

John Day/Willow
Creek Project

Table of Contents

26 February 2015

- [1.0 Purpose](#)
- [2.0 Applicability](#)
- [3.0 References](#)
- [4.0 Related Procedures](#)
- [5.0 Definitions](#)
- [6.0 Responsibilities](#)
- [7.0 Procedures](#)
- [8.0 Records & Measurements](#)
- [Attachments / Flow Chart](#)

Forward

This Standing Operating Procedure (SOP) *South Fishway Collection Channel 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 and Project Fisheries Biologist.

Current Approved Version (28 February 2015). 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:
1.0	New	New	28 Feb 2015	Miro Zyndol

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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 South Fishway Collection Channel Dewatering procedure for John Day Lock and Dam.

2.0 Applicability.

This SOP is applicable to all John Day Lock and Dam / Willow Creek employees. The South Fishway Collection Channel is dewatered bi-annually for winter maintenance (December, January, and February). Fisheries will coordinate dates and times for outage with all involved project personnel, COE Portland District and regional fish managers.

3.0 References.

Fish Passage Plan

4.0 Related Procedures.

Safety: All areas of JD South Fishway Collection Channel are considered Non-Permit required Confined Space due to the restrictive entry and exit. However, due to lack of atmospheric danger (it is wide open to outside) and its multiple entry/exit point, JD South Fishway Collection Channel does not require the Confined Space permits or any additional documentation apart from the Safety Clearances "Lock-Out Tag-Out".

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5.0 Definitions.

The South Fishway Collection Channel is dewatered bi-annually for winter maintenance (December, January, February). Juvenile and adult salmonids and adult lamprey are commonly found during the 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. Personnel enter the collection channel as soon as possible to remove lamprey. Personnel also enter the lower section where diffuser grating become exposed as soon as possible to prevent fish stranding atop grating. **Particular attention will be addressed at the South entrance diffuser pool as fish accumulate in this area. Drainage of the South entrance pool will only commence if fisheries personnel are present.** 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. The North Fishway will remain in service during the South Fishway outage, unless coordinated with regional managers.

6.0 Responsibilities.

Operations (JDO): JDO is designated as the group that will raise weirs and close diffuser sluice gates prior to dewatering. JDO will make adjustments and hang clearances as necessary.

Structural (JDS): JDS will provide crane support at access locations, assure adequate exit bulkheads seals, install entrance bulkheads, remove floating orifices and notify project of potential deck blockages.

Mechanical (JDM): Schedule necessary preventative maintenance.

Electrical (JDE): Schedule necessary preventative maintenance.

Fisheries (JFF): Coordinates dates and times for outage with all involved project personnel, COE Portland District and regional fish managers. Conducts a pre-work/safety meeting which covers; Activity Hazard Analysis, job responsibilities, radio contact plan, preparations status. **Hold safety clearances for personal and fish protection.**

7.0 Procedures

Preparation:

JDO

- 1) Raise weirs NE1, NE2 to 168'
- 2) Raise bulkhead weir SE1 to 172'
- 3) Hang necessary clearance cards and locks
- 4) Open Collection Channel drain valve 1

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5) Open Entrance diffuser drain valve

a) This will be requested by JDF. SE1 drain valve is not to be opened without JDF onsite.

JDS

- 1) Provide crane support at access locations
- 2) Remove floating orifices and install bulkheads
- 3) Assure adequate entrance bulkheads seals. Install entrance bulkheads when needed
- 4) Notify project of potential deck blockages

JDF

- 1) Provide fish salvage personnel
- 2) Conducts a pre-work/safety meeting
- 3) Request safety clearances

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.

Approving Signature

Norman Bloom
Hydro Power Operations Manager
John Day/Willow Creek Project

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