

FPP Change Request Form

Change Form# & Title: 15TDA005 – ITS Priority for Winter Spill
Date Submitted: March 12, 2015
Project: TDA
Requester Name, Agency: Bob Wertheimer, COE Fisheries Field Unit (FFU)
Final Action:

FPP Section: TDA sections 2.2. (Spill Management); 2.4.1.6. (Juvenile Facilities Winter Maintenance); 2.5.1.1 (Adult Facilities Winter Maintenance); and Table TDA-4.

Justification for Change: Study results indicate the Ice & Trash Sluiceway (ITS) provides the most benign, rapid and cost-effective (fish:flow) downstream fish passage route at The Dalles Dam. Currently, spill that occurs Dec 16-Feb 28 is passed entirely through the spillway. This change to the FPP would provide the Project with guidance to operate the ITS first (prior to the spillway) if the project must spill during this time period. Providing an improved downstream passage route will benefit adult overshoots and steelhead kelts.

Proposed Change:

2.2. Spill Management. (add new section 2.2.2.)

2.2.2. Ice & Trash Sluiceway (ITS). During periods of spill that occur from December 16 through the end of February, the ITS will be operated if available to provide a surface passage route.

2.4.1. Juvenile Passage Facilities Winter Maintenance (Dec 1–Mar 31)

2.4.1.6. Ice & Trash Sluiceway (ITS). Operate the ITS for adult fallback and steelhead kelt passage December 1-15 and March 1-31 (**Table TDA-4; section 2.5.1.1.f.**). From December 16 through the end of February, discontinue ITS operation on a 24-hour basis, close the endgate and open sluice gates 1-1, 18-3 to allow fish egress when the ITS is equalized with the forebay (except during periods of spill when the ITS will be operated if available; see section 2.2.2.).

Table TDA- 1. The Dalles Dam Ice & Trash Sluiceway (ITS) Schedule of Operations.

DATES	PURPOSE	SLUICWAY OPERATION (24 hrs/day)	FPP Section
March 1–31 and December 1–15	Adult fallback and steelhead kelt passage	OPEN Endgate OPEN Sluice Gates 1-2, 1-3, 18-1, 18-2	2.5.1.2.a.8; 2.5.1.1.f.
April 1– November 30	Juvenile passage	OPEN Endgate OPEN Sluice Gates 1-1, 1-2, 1-3, 8-2, 8-3, 18-2	2.4.1.2.e.
December 16– end of February*	No passage; allows egress when equalized w/forebay	CLOSE Endgate* OPEN Sluice Gates 1-1, 18-3	2.4.1.1.f., 2.5.1.1.f.

*Except during periods of spill when the ITS will be operated if available (section 2.2.2.).

2.5.1. Adult Passage Facilities Winter Maintenance (Dec 1–end of Feb)

2.5.1.6. Ice & Trash Sluiceway (ITS). From December 1–15, operate the ITS for adult fallback and steelhead kelt passage 24 hours/day (**Table TDA-4**). Open gates 1-2, 1-3 over operating MU-1, and gates 18-1, 18-2 over operating MU-18. If either of these MUs are out of service, operate the next available MU and associated adjacent gates (i.e., if MU-1 is OOS, then operate MU-2 w/gates; if MU-18 is OOS, then operate MU-17 w/gates or MU-19 w/gates). From December 16 through the end of February, discontinue ITS operation on a 24-hour basis, close the endgate and open sluice gates 1-1, 18-3 to allow fish egress from the ITS when equalized with the forebay (except during periods of spill when the ITS will be operated if available; see section 2.2.2).

Comments from others:

Record of Final Action: