

Change Request Number: 11TDA010

Date: 30 November 2010

Proposed by: USACE Portland District - Tackley

Location of Change- 2.4.1.1, 2.4.1.2, 2.5.1.1, 2.5.1.2, 5.1.

Proposed Change (1):

2.4.1.1. December 1 through March 31 (Winter Maintenance Period)

f. December 1 through December 15, see 2.5.1.1.g and 2.5.1.1.h for Ice and Trash Sluiceway (ITS) operations for adult fallback and steelhead kelts.

g. December 16 through February 28, discontinue operation of the ITS on a 24 hour basis. Close endgate, and open sluice gates 1-1 and 17-3 to allow fish egress from the ITS when equalized with the forebay.

2.4.1.2. April 1 through November 30 (Fish Passage Season).

e. Open ice and trash sluiceway (ITS) gates 1-1, 1-2, and 1-3 over operating Main Unit-1, sluiceway gate 8-3 over Main Unit 8, 18-2, and 18-3 over operating Main Unit 18. If either of these main units is out of service, operate the next available main unit and associated gates adjacent to these units, (i.e. operate MU-2 w/gates if MU-1 is OOS, and operate MU-17 w/gates or MU-19 w/gates if MU-18 is OOS). The ice and trash sluiceway will be operated on a 24-hour basis April 1 through November. ~~During periods when gates do not operate, set the top of the bottom end gate at elevation 142' to create an orifice plunge pool.~~

2.5. Adult Fish Passage Facilities.

2.5.1. Operating Criteria.

2.5.1.1. December 1 through February (Winter Maintenance Period).

g. December 1 through December 15, Open Ice and Trash Sluiceway (ITS) gates 1-2, and 1-3 over operating Main Unit-1, and gates 18-1 and 18-2 over operating Main Unit 18. If either of these main units is out of service, operate the next available main unit and associated gates adjacent to these units, (i.e. operate MU-2 w/gates if MU-1 is OOS, and operate MU-17 w/gates or MU-19 w/gates if MU-18 is OOS). The ice and trash sluiceway will be operated on a 24-hour basis December 1 through December 15.

h. December 16 through February 28, discontinue operation of the ITS on a 24 hour basis. Close endgate, and open sluice gates 1-1 and 18-3 to allow fish egress from the ITS when equalized with the forebay.

2.5.1.2. March 1 through November 30 (Fish Passage Season).

a. All Adult Facilities.

9. March 1 through March 31, Open Ice and Trash Sluiceway (ITS) gates 1-2, and 1-3 over operating Main Unit-1, and gates 18-1 and 18-2 over operating Main Unit 18. If either of these main units is out of service,

operate the next available main unit and associated gates adjacent to these units, (i.e. operate MU-2 w/gates if MU-1 is OOS, and operate MU-17 w/gates or MU-19 w/gates if MU-18 is OOS). The ice and trash sluiceway will be operated on a 24-hour basis March 1 through March 31.

Proposed Change (2):

5.1. Through the juvenile fish passage season, April 1 through November 30, and from December 1 through December 15 to aid adult steelhead fallbacks, either turbine unit 1 or unit 2 or both units will operate during daylight hours unless specially coordinated with FPOM. In order to provide favorable adult fish passage conditions while meeting transmission line needs, the main powerhouse turbine units will operate in the priority outlined in Table TDA-4 below.

Table TDA-4 Turbine unit operating priorities for The Dalles Dam.

PERIOD	PRIORITY
Fish Passage Season (April 1 through November 30)	1 and/or 2, 3 and/or 4, 8, 18*
If more units are needed operate one unit from each block moving west to east	block 5-8, block 9-12, block 13-16, block 17-22
If additional units are still needed operate one unit from each block moving west to east.	block 5-8, block 9-12, block 13-16, block 17-22
<u>December 1 through December 15</u>	<u>1 and/or 2, 3 and/or 4, 8, 18[†]</u>
December 1 through February 28 March 31	1-22 in any order
<u>March 1 through March 31</u>	<u>1 and/or 2, 3 and/or 4, 8, 18[†]</u>

*During fish passage season- Unit 1 and/or 2, Unit 3 or 4, Units under open sluice gates 1,8,18

[†] During operation for adult steelhead fallbacks – Unit 1 and/or 2 and Unit 18 must be operated under at least 2 open sluice gates per unit

Reason for Change: To provide alternative passage route for overwintering adult steelhead fallbacks. 2.5.1.1.h- 18-3 has the automated hoist instead of the manual chaingates at 17-3.

Comments:

NOAA Fisheries- Hold this one until we get a decision on winter ops. Also, if the changes do go though, some of the language here will need to be changed regarding unit 5 vs. unit 8 and regarding the number of units needed for a four vs. six gate operation.

Record of final action: No agreement was reached at the January FPP meeting, however, further discussions resulted in agreement by 28 February 2011.