

EXHIBIT 1

CLEAN WATER ACT SECTION 401 CERTIFICATION CONDITIONS  
FOR INTERIM OPERATION AND DECOMMISSIONING  
OF THE POWERDALE HYDROELECTRIC PROJECT

Unless otherwise specifically provided, the following certification conditions are effective 30 days after incorporation into a FERC license or order or other federal license or permit for interim operation and decommissioning of the Powerdale Hydroelectric Project. The conditions are in addition to certain rights and obligations of PacifiCorp and other parties set forth in the June 6, 2003 Settlement Agreement Concerning the Interim Operation and Decommissioning of the Powerdale Hydroelectric Project (Settlement Agreement), specifically PacifiCorp's obligations under the Settlement Agreement to implement certain measures at an earlier date, or to continue measures commenced at an earlier date, and including other parties' review and approval of certain activities under the Settlement Agreement.

1. Interim Operation: Conditions for Compliance with the Temperature Water Quality Standard and Total Maximum Daily Loads (TMDLs).
  - a. *Temperature Management Plan.* In accordance with OAR 340-041-0028(12)(h), PacifiCorp shall implement the Surface Water Temperature Management Plan approved by the Oregon Department of Environmental Quality (ODEQ) in conjunction with this certification and set forth in Conditions 1.b, 1.c, 1.d., 1.f., 1.g., 1.h., 1.i, 1.j., and 2.b.
  - b. *Flows.* Subject to Condition 1.d., PacifiCorp shall implement in the bypass reach on an average hourly basis either the Hood River flow immediately upstream of the Project (less the amount required to compensate for flowline leakage up to a maximum of 25 cfs), or the minimum instream flows set forth in the following table, whichever is less. Minimum instream flow requirements may be met using a combination of flows from the fish ladder, fish screen bypass flow, trash sluice, and spillway gates.

January	140 cfs
February	220 cfs
March	220 cfs
April*	220 cfs
May*	250 cfs
June*	250 cfs
July	250 cfs
August	250 cfs
September	250 cfs
October	250 cfs
November	220 cfs
December	140 cfs

\* Minimum instream flows for temperature specified in this table for April 15

through June 30 are superseded by higher minimum instream flows provided in accordance with Conditions 2.a. and 2.b. for the same period.

- c. *Powerhouse Discharge.* Heat discharged to the Hood River through powerhouse cooling water may not exceed 19.31 million kilocalories per day.
- d. *TMDLs September 15-October 15.* To meet its load allocation (LA) under the TMDL from September 15 through October 15, PacifiCorp shall undertake the following measures:
  - (1) PacifiCorp shall provide ODEQ with an annual temperature and flow monitoring report by December 31 of each year. The annual monitoring report shall include the required hourly temperature and flow data, pre- and post-deployment data, and monthly field audit data required by Condition 1.g. for that calendar year. The annual report shall identify any instances in which the seven-day moving average of daily maximum temperatures measured at the downstream end of the bypass reach exceeded 55°F during the period from September 15 through October 15. If any such instances are identified in the first three years of monitoring, PacifiCorp shall conduct and submit in the third annual temperature and flow monitoring report to ODEQ an evaluation of whether the temperature increase in the bypass reach was 0.25°F (as a seven-day moving average) more than the increase that would have occurred had the Project not diverted water from the bypass reach. In lieu of conducting this evaluation, PacifiCorp may assume that any temperature increase between the upstream and downstream ends of the bypass reach is due to Project diversions.
  - (2) If, based on the evaluation or assumed Project impact described in the preceding paragraph, ODEQ determines that the stream warming that occurred in the bypass reach was 0.25°F more than would have occurred had there been no Project diversions, PacifiCorp shall, within 90 days from written notification from ODEQ, submit to ODEQ a written proposal for measures that PacifiCorp will take to ensure that the Project-related warming in the bypass reach is not more than 0.25°F (as a seven-day moving average) when the seven-day moving average of daily maximum temperatures exceeds 55°F at the downstream end of the bypass reach between September 15 and October 15. The proposal shall include a proposed schedule for implementing the measures. The measures may include, but are not limited to, the following:
    - (a) Temperature modeling for the period September 15 through October 15 to determine what minimum instream flows would be necessary to reduce Project-related warming to 0.25°F or less (as a seven-day moving average) when the seven-day moving average of daily maximum temperatures at the downstream end of the bypass reach exceeds 55°F. If increased minimum flows are necessary and feasible, PacifiCorp shall provide the increased flows for the necessary period, subject to the limits set forth in Condition 1.d.(3).

- (b) In the alternative, PacifiCorp may elect not to divert water (except for amounts required to compensate for flowline leakage up to 25 cfs) whenever and so long as the river temperature exceeds 55°F at the downstream end of the bypass reach between September 15 and October 15.
- (3) The following limitations apply to modifications of minimum instream flows under this Condition 1.d:
- (a) ODEQ will not require modification of flows beyond those reasonably necessary to prevent a Project-related instream temperature increase of 0.25°F or more. This limitation will only apply upon ODEQ's determination that PacifiCorp has satisfactorily demonstrated under prevailing conditions that any such modification would result in a Project-related temperature increase of less than 0.25°F.
  - (b) Modification of minimum instream flows shall be limited to no more than a 50 cfs increase in any two-year period.
  - (c) PacifiCorp's responsibility to fulfill minimum instream flow requirements shall be limited to reducing Project diversions from the bypass reach.
  - (d) No increase in minimum instream flows shall be required before September 15, 2006.
- e. *TMDLs Reservation.* In the event the Project continues to divert water for power generation or Project maintenance during and after 2012, ODEQ reserves the right to modify these certification conditions, in accordance with OAR Chapter 340, Division 48, as necessary to ensure implementation of TMDLs for any applicable period.
  - f. *Resumption of Power Generation.* Following the period of temporary reduction of flow in the flowline (April 15 to June 30), PacifiCorp shall resume power generation in accordance with Condition 2.b.
  - g. *Temperature Monitoring.* PacifiCorp shall monitor stream temperatures hourly from July 1 through October 15 each year at the sites PDBUP (upstream end of the bypass reach, approximately 50 meters downstream of the dam) and PDBDN (downstream end of the bypass reach, approximately 250 meters upstream of the powerhouse). The accuracy of temperature recorders shall be tested before and after field deployment to ensure that they are operating within their designated range of accuracy. In addition to pre- and post-deployment checks, the temperature recorders shall be audited monthly during the field measurement period. The pre- and post-deployment and monthly field audit checks shall be made using a National Institute of Standards and Technology (NIST) traceable (calibrated and maintained) thermometer accurate to  $\pm 0.2^{\circ}\text{C}$  or better, which has been checked against an NIST traceable thermometer. PacifiCorp shall also record average hourly flows released from the diversion dam into the bypass reach for the period July 1 through October 15. These flows shall be measured in accordance with Condition 1.h.

h. *Flow Monitoring.*

- (1) PacifiCorp shall measure instream flows by a Programmable Logic Control or alternative method for monitoring compliance with minimum instream flows, consistent with standard operating procedures developed by PacifiCorp in consultation with ODEQ, the Oregon Department of Fish and Wildlife (ODFW), the National Marine Fisheries Service (NMFS), the U.S. Fish and Wildlife Service (USFWS), and the Confederated Tribes of the Warm Springs Reservation of Oregon (CTWS).
  - (2) PacifiCorp shall publicly post hourly flow data on the Internet. The Internet posting shall clearly display the total average hourly river flow being released into the bypass reach directly downstream of the diversion dam. The Internet posting shall also display the average hourly flow being diverted to the flow conveyance system. Flows shall be reported in cfs. PacifiCorp shall post hourly flow measurements as timely as possible but no more than 24 hours after such measurements are taken.
  - (3) Unless otherwise agreed upon in writing by ODEQ and PacifiCorp in consultation with ODFW, OWRD, NMFS, USFWS, and CTWS, the following flow verification requirements shall apply: For the first two years, rating tables, including any discharge coefficients used to calculate the gaged flows being tracked by the PLC system, shall be verified at least once every six weeks during the periods when flows at the Tucker Bridge Gage are less than the sum of the minimum instream flow plus the power claim flow (generally about July through November); Rating tables shall be set-up to cover a range of operation settings; If after the initial two-year period a control structure rating table demonstrates stability, then verification measurements shall be conducted at least once per year; If after the initial two-year period a control structure demonstrates instability, or when maintenance changes flow conditions through a control structure, then more frequent than once-per-year verification measurements shall be conducted on an as-needed basis to re-establish a stable rating table for the particular control structure.
- i. *Measurable Increase.* Any Project-related instream temperature increase of 0.25°F or less above the relevant criterion shall not be deemed to contribute to an exceedance of the temperature criterion or to a violation of the temperature water quality standard.
  - j. *Monitoring Modifications.* ODEQ may make modifications to temperature monitoring required under Condition 1.g. that ODEQ considers to be reasonable and feasible, or, after consultation with ODFW, OWRD, NMFS, USFWS, and CTWS, make reasonable and feasible modifications to flow monitoring required under Condition 1.h, if:
    - (1) The monitoring requirements prove to be insufficient to provide the necessary data;  
or,

(2) Modifications to minimum instream flow requirements require modifications to monitoring requirements.

k. *Temperature Flow Modifications.* With the approval of ODEQ, PacifiCorp may cease implementing or may implement modified flows under the Temperature Management Plan. ODEQ may approve cessation or modification if ODEQ determines that it will not impair the achievement of any TMDL or LA for the Project for temperature and will not contribute to the exceedance of the relevant temperature criterion in waters affected by the Project.

l. *Duration of Conditions.* The above conditions in this section will cease to be effective upon commencement of removal of the dam structure.

2. Interim Operation: Conditions for Compliance with the Biological Criteria, pH, Dissolved Oxygen, and Turbidity Water Quality Standards, Protection of Beneficial Uses, and Compliance with Other Appropriate State Laws.

a. *Flows.* Subject to Condition 1.d, PacifiCorp shall implement in the bypass reach either the Hood River flow immediately upstream of the Project (less the amount required to compensate for flowline leakage up to a maximum of 25 cfs), or the following minimum instream flows, whichever is less:

February 1 to April 14: 220 cfs

April 15 to June 30: manage flows as set forth in Condition 2.b

July 1 to October 31: 250 cfs

November 1 to November 30: 220 cfs

December 1 to January 31: 140 cfs

Minimum instream flow requirements may be met using a combination of flows from the fish ladder, fish screen bypass flow, trash sluice, and spillway gates.

b. *Temporary Reduction in Diversion Flow.*

(1) From April 15 to June 30 each year, PacifiCorp shall reduce diversion flow to a maximum of 25 cfs. All flows in excess of the amount required to compensate for flowline leakage up to the maximum of 25 cfs shall be passed by the dam.

(2) PacifiCorp may resume power generation on July 1 of each year. For the 96 hours prior to the start-up of the turbine unit, PacifiCorp shall use multiparameter continuous monitoring devices approved by ODEQ to sample water quality at two sites in the river agreed upon by ODEQ. One site shall be just upstream of the powerhouse tailrace at site PDBDN as defined in Condition 1.g; the other shall be approximately 30 meters downstream of the powerhouse tailrace confluence with the river along the east bank. The continuous sampling devices shall sample and record hourly stream temperature, dissolved oxygen, pH, and turbidity. At least 72 hours prior to the start-up of the turbine unit, but not less than 24 hours after commencing

the continuous monitoring, PacifiCorp shall open a 10-inch drain valve in the powerhouse near the tailrace to provide a slow exchange of flowline water. Upon beginning generation on July 1, PacifiCorp shall set the turbine generator unit on the minimum wicket gate setting required to synchronize the turbine generator. PacifiCorp shall then ramp the turbine generator load in sufficiently small increments to the extent feasible to maintain the ramping requirements set forth in Condition 2.c. Monitoring under this Condition 2.b.(2) at the two sampling sites may cease 24 hours after beginning generation. The multiparameter devices shall be calibrated for each parameter according to the manufacturer's specifications prior to deployment. At the time the instruments are deployed in the water and when they are retrieved at each site, PacifiCorp shall audit the multiparameter devices by measuring stream temperature with an NIST traceable thermometer accurate to  $\pm 0.2^{\circ}\text{C}$  and measure stream dissolved oxygen via Winkler titration. Within 30 days after the instruments are retrieved, PacifiCorp shall forward ODEQ the electronic files of the continuous sampling, audit, and calibration data.

- (3) The procedure set forth in Condition 2.b.(2) might provide dilution of flowline water in excess of that necessary to comply with water quality standards. PacifiCorp may reduce or cease its monitoring effort under Condition 2.b.(2) following three consecutive years of monitoring data, of quality considered accurate and reliable by ODEQ, demonstrating that the flowline water does not contribute to an exceedance of a water quality standard at the downstream monitoring site described in that condition. In the absence of three years of such data, PacifiCorp may reduce or cease its monitoring effort under Condition 2.b.(2) if ODEQ provides written approval based upon an ODEQ determination that there is no reasonable potential for the flowline water to contribute to an exceedance of one or more water quality standards at the downstream monitoring site. If, notwithstanding use of the procedure described in Condition 2.b.(2), the flowline water causes an exceedance of water quality standards at the downstream monitoring site, ODEQ may direct PacifiCorp to develop and propose, within a reasonable time specified by ODEQ, alternative measures for ensuring that the flowline water does not cause an exceedance of water quality standards at the downstream monitoring site upon beginning generation. Upon approval by ODEQ, PacifiCorp shall implement the alternative measures, which may include increased diversion flow during the period April 15 through June 30.

*c. Ramping.*

- (1) PacifiCorp shall make reasonable efforts to limit the ramping rates in the bypass reach to no more than two inches per hour, and in any event such rates shall not exceed three inches per hour. In addition, PacifiCorp shall complete and implement standard operating procedures and a monitoring plan, developed in consultation with ODEQ, ODFW, NMFS, USFWS, and CTWS, for meeting and documenting compliance with the ramping limits. Should development or implementation of the monitoring plan, or the resulting data, show that a different ramping rate will result in the same protections for aquatic species (for example, when river flows into the Project are already high), PacifiCorp may propose such a different ramping

requirement. Upon the approval of ODEQ in consultation with ODFW, NMFS, USFWS, and CTWS, the approved variation shall be substituted for the ramping requirements set forth in this condition.

(2) "Ramping" means those Project-induced increases (up-ramping) and decreases (down-ramping) in river discharge and associated changes in water surface elevation over time resulting from generation of electricity by Project facilities, Project maintenance activities (i.e., planned outages) and unplanned (forced) outages. Ramping does not include changes in flows and change in river stage resulting from increases or decreases in stream flow unrelated to the Project. Ramping rates in this certification are stated in inches of change per hour. Ramping is measured as the distance between the maximum and minimum water level measured at a specified location over the applicable period of time; variation in water levels within the maximum and minimum water level during that period are not considered for purposes of measuring ramping. For example, if the relevant ramping limitation is one inch per hour, and the river gage is at four feet at noon, then during the next hour the water elevation may vary no more than between three feet eleven inches and four feet; between four feet and four feet one inch; et cetera. In each example, the amount of change between the minimum and maximum gage readings in a one-hour time period is not more than one inch, but could vary within that range more than once during the hour.

(3) Following an unplanned outage, PacifiCorp shall observe conditions directly downstream of the Project dam and powerhouse. Should PacifiCorp, ODFW, CTWS, NMFS, or USFWS identify a fish stranding problem, PacifiCorp shall use its best reasonable efforts to minimize the impacts of such stranding by relocating such fish to the river in consultation with ODFW, CTWS, NMFS and USFWS.

d. *Flow Monitoring.* PacifiCorp shall measure and report flows in accordance with Condition 1.h.

e. *Planned Outages.* PacifiCorp shall, to the extent feasible, limit planned outages to April 15 to June 30 to coincide with the temporary reduction of diversion flow required under Condition 2.b., or with the summer, and shall limit planned non-summer outages to 24 hours to the extent reasonably feasible. PacifiCorp shall notify ODFW, NMFS, USFWS, and CTWS of planned outages and subsequent start up periods to allow for monitoring of those areas with the greatest possibility for fish stranding.

f. *Flushing.* PacifiCorp shall restrict flushing of the sand settling basin to periods when bypass reach instream flows are at least 500 cfs, and preferably greater than 1,000 cfs.

g. *Intake Screens.* PacifiCorp shall continue to operate and maintain existing intake screens in working order. The maintenance shall include regular inspections and the repair, rehabilitation, or replacement, as needed, of seals and moving components such as chain drives, sprockets, screen baskets, motors, and screen wash equipment. If a screen is damaged beyond repair, PacifiCorp shall replace it with a screen of similar design;

however, PacifiCorp shall not be required to design or install an upgraded fish screen or otherwise make technological or other major improvements.

- h. *Fishway Auxiliary Water Intake.* PacifiCorp shall identify and obtain NMFS, USFWS, ODFW and CTWS written approval of a method for maintaining the fish ladder auxiliary attraction water bar rack within the ladder sufficiently free of debris to allow adequate attraction flows. Alternatives to be considered shall be limited to the following unless PacifiCorp and the aforementioned agencies agree otherwise: frequent manual cleaning, modification of the bar spacing on the existing intake trash rack, installation of an intake device incorporating v-bar screen technology, or changing the spacing of the bars on the rack within the ladder. Recommendations and supporting documentation shall be shared with NMFS, USFWS, ODFW and CTWS. No later than the first in-water work opportunity, PacifiCorp shall obtain approval and implement the approved method identified in this condition.
- i. *Ground-Disturbing Activities.* Unless emergency conditions exist that require immediate action, PacifiCorp shall limit adverse effects on stream and wetland habitat from any ground-disturbing activities by (i) minimizing the area of disturbance; (ii) adhering to conditions in any applicable U.S. Army Corps of Engineers and Oregon Division of State Lands wetlands permits; (iii) consulting with state and federal wildlife agencies, CTWS, and, when necessary, the Columbia River Gorge Commission prior to carrying out the work to determine appropriate protection measures; (iv) limiting construction to the summer and fall; (v) revegetating disturbed areas with native vegetation to the extent feasible; and (vi) controlling sedimentation of aquatic habitat through erosion control measures contained in the applicable permits. PacifiCorp shall conduct a survey before the initial ground-breaking activity for rare, threatened and endangered species in areas planned for significant construction activities, and shall coordinate with the USFWS, ODFW, the Oregon Department of Agriculture, and the Oregon Natural Heritage Program to ensure that the target species list is current.
- j. *Duration of Conditions.* The above conditions in this section will cease to be effective upon commencement of removal of the dam structure.

3. Decommissioning: Conditions for Compliance with Water Quality Standards, Protection of Beneficial Uses, and Compliance with Other Appropriate State Laws.

- a. Upon applying for a federal permit or permits for decommissioning activities, including a dredge and fill permit from the U.S. Army Corps of Engineers (Corps) pursuant to Section 404 of the Clean Water Act (§ 404 permit), PacifiCorp shall provide written notice to ODEQ of such application and of any proposed changes in decommissioning activities since the date of issuance of this certification. Within 60 days of ODEQ's receipt of notice from the Corps or other federal permitting agency that it is processing PacifiCorp's application, ODEQ will notify the federal agency and PacifiCorp either (i) that this certification is sufficient for purposes of the federal permit and permit conditions, or (ii) that, in light of new information related to the water quality impacts of decommissioning activities since issuance of this certification, there is no longer

reasonable assurance of compliance with state water quality standards. In the latter event, ODEQ will consider the new information, solicit and consider public and agency comment as required by law, and issue a Section 401 certification determination for purposes of the federal permit and decommissioning activities.

b. In the event ODEQ determines that this certification is sufficient for purposes of a federal permit or permits for decommissioning activities, PacifiCorp shall comply with the following conditions:

(1) *Decommissioning.* Unless otherwise approved by ODEQ in consultation with ODFW, NMFS, USFWS, and CTWS, PacifiCorp shall perform decommissioning in accordance with the Settlement Agreement and the Decommissioning Plan attached to and incorporated by reference into the Settlement Agreement.

(2) *Erosion and Sediment Control Plan.* Before commencement of any in-water decommissioning activities, PacifiCorp shall develop and submit to ODEQ for approval, in consultation with ODFW, NMFS, USFWS, and CTWS, an Erosion and Sediment Control Plan (ESCP) that identifies specific methods that will be implemented at each work area to protect water quality and aquatic habitat. The ESCP shall address (i) protection of the Hood River from unplanned releases of sediment and debris during decommissioning activities; (ii) disposition of sediment and decommissioning debris in accordance with applicable law, PacifiCorp's Spill Prevention, Control and Countermeasure Plan (SPCC Plan), and public health and safety; (iii) implementation of permanent revegetation measures consistent with best management practices; and (iv) dam removal, which shall be conducted in dry conditions using a coffer dam and artificial channel to divert flows from work areas. In addition, the ESCP shall specify measures such as berms, ditches, sediment retention basins, silt fencing, and site restoration to be undertaken by PacifiCorp. Upon ODEQ approval of the ESCP in consultation with ODFW, NMFS, USFWS, and CTWS, PacifiCorp shall implement the ESCP during decommissioning activities.

(3) *Timing and Notification of In-Water Work.* For all in-water decommissioning work, PacifiCorp shall conduct such work between July 15 and August 31, or outside of that time period with the approval of ODFW, NMFS, and USFWS. Actions that are likely to occur outside of the July 15 to August 31 period include the following decommissioning actions:

(a) Construction and removal of upstream and downstream cofferdams, cofferdam materials and culverts;

(b) Removal of the artificial upstream fish passage channel and bypass flume;

(c) Placement of materials (relocated cofferdam materials and available streambed materials) along the river to create access for removal of remaining portions of dam and fish ladder;

(d) Placement of materials to regrade and armor the east and west banks of the river to harden the disturbed areas; and

(e) Regrading of the streambed above and below the dam as necessary to assist with removal of any barriers to fish passage created as a result of decommissioning activities.

PacifiCorp shall provide NMFS, USFWS, ODFW, and CTWS reasonable notice before initiating any in-water work, regardless of when it occurs, to enable them to view the work and recommend fish salvage or other immediate measures to avoid fish stranding or delay. PacifiCorp shall undertake such measures with the assistance of ODFW and CTWS. For purposes of this requirement, “in-water work” does not include dam removal or other decommissioning actions performed in areas that have been dewatered for purposes of decommissioning actions.

(4) *Fish Passage During Dam Removal.*

(a) *Manner of Fish Passage.* During construction of the cofferdams associated with dam removal activities, PacifiCorp shall extend the existing fish ladder return channel upstream of the dam to above the upstream cofferdam work, and shall install culverts through the downstream cofferdam to provide continued access to the existing fish ladder entrance; provided that PacifiCorp shall not provide such fish passage through the cofferdam culvert if NMFS, USFWS, ODFW and CTWS agree that such passage is not necessary. Coincidental to the construction of the cofferdams, PacifiCorp shall construct an artificial channel extending from a mid-point on the existing fish ladder to a location immediately downstream of the downstream cofferdam. Upon completion of this channel and the bypass channel (described below), PacifiCorp shall close the fish access through the downstream cofferdam, allowing upstream migrants to enter the existing fish ladder structure through a newly constructed access. PacifiCorp shall place rock between the upstream return channel and water bypass intake to minimize upstream migrant entrainment into the downstream bypass flume. During dam removal, PacifiCorp shall divert river flow past the work zone using portions of the existing water conveyance system’s steel flume by installing removed sections of the steel flume from above the upstream cofferdam to below the downstream cofferdam, passing over the overflow section and existing fish ladder. This will provide downstream fish passage. PacifiCorp shall position the bypass flume to discharge directly into a pool constructed at the entrance of the upstream passage channel to attract upstream migrants to the channel. The discharge area shall be designed with adequate pool area and depth to minimize impingement of downstream migrants on the bottom or sides of the pool. The requirements of this condition may be modified with the written agreement of PacifiCorp, NMFS, USFWS, ODFW and CTWS.

(b) *Final Fish Passage Design and Construction Plans.* Prior to changing any of the existing fish passage facilities or constructing any new fish passage facilities associated with dam removal, PacifiCorp shall prepare final fish passage design and

construction plans in consultation with NMFS, USFWS, ODFW and CTWS. The final design and construction plans shall be consistent with Condition 3.b.(4)(a) and the following criteria, which may be modified with the written agreement of PacifiCorp, NMFS, USFWS, ODFW and CTWS.

(i) The outfall from the flume shall be designed in accordance with, as appropriate, sections 7.4.1, 7.4.2, 7.4.3, 13.10.4, 13.10.5 and 13.10.6 of NMFS' Draft Anadromous Salmonid Passage Facility Guidelines and Criteria as of the Effective Date of the Settlement Agreement. In addition, the pool volume and depth will be designed to minimize pool bottom surface velocities and injury to fish. For purposes of section 13.10.5, the design will minimize, but may not completely avoid, creation of false attraction flows. The outfall shall have a 10-foot minimum drop to the pool below (to prevent adults from entering the pipe), and shall be designed to provide smooth, rounded edges and surfaces, using materials similar to the flume, to minimize injury to fish exiting the pipe and to jumping adults;

(ii) The pipe/flume shall be designed in accordance with, as appropriate, sections 13.9.3.1, 13.9.3.4, 13.9.3.5, 13.9.3.6, 13.9.3.9, 13.9.3.11, 13.9.3.13 and 13.9.3.14 of NMFS' Draft Anadromous Salmonid Passage Facility Guidelines and Criteria as of the Effective Date of the Settlement Agreement. Weathered steel surfaces presently existing on the steel flume sections, or alternatively the galvanized surfaces of standard culvert material, shall be considered acceptable for this application, provided that, if the interior surfaces of the existing steel flume are considered to be too rough to meet NMFS' Passage Facility Guidelines and Criteria, PacifiCorp shall install a liner or conduct sand blasting of the interior surfaces;

(iii) The temporary approach channel to the fishway entrance shall be constructed with "field placed" structure materials to optimize local hydraulic conditions. PacifiCorp shall provide NMFS, USFWS, ODFW and CTWS a minimum of seven days notice prior to the placement of these materials to allow their on-site participation in field direction of this placement work on-site;

(iv) The control structures within the temporary approach channel to the fishway entrance shall be placed at least one channel width apart. These structures shall have less than one foot of head differential (measured from upstream of the boulder control structures to the downstream water surface elevation), and shall not span the entire width of the approach channel (unless the depth provided over the channel-spanning structure is at least one foot);

(v) If fish will be passing through the temporary culvert(s) installed in the downstream coffer dam, such culverts shall meet, as appropriate, sections 9.7.5, 9.7.8 and 9.7.9 of NMFS' Draft Anadromous Salmonid Passage Facility Guidelines and Criteria as of the Effective Date of the Settlement Agreement. In addition, the bypass shall be designed in accordance with, as appropriate, sections

9.3.2 and 9.3.3 of NMFS' Draft Anadromous Salmonid Passage Facility Guidelines and Criteria as of the Effective Date of the Settlement Agreement;

(vi) The design shall provide supplemental flow to the fishway discharge to allow optimal operation of the fish ladder and temporary approach channel; and

(vii) The design shall be developed such that flow conveyed in the bypass flume is delivered below the temporary approach channel in a manner that will maximize both upstream and downstream passage. The design shall be developed such that the bypass flume and the upstream temporary approach channel work together to both attract adult fish to the temporary approach channel, minimize delay of both upstream and downstream migrants, and minimize injury to fish passing downstream.

(c) *Fish Passage Monitoring and Contingency Plan.* By October 1, 2004, PacifiCorp shall conduct a geomorphology survey consistent with the scope of work attached as Exhibit 2 to the Settlement Agreement. PacifiCorp shall provide a final geomorphology report to NMFS, USFWS, ODFW, ODEQ and CTWS. The report shall describe: (i) current geomorphic conditions beginning 2200 feet below the dam (near the stream gage) to 1,000 feet upstream of the dam, or above the vegetated island (whichever is farther); and (ii) the anticipated impact of sediment released from dam removal on fish passage and aquatic habitat downstream of the dam removal site. PacifiCorp shall develop and implement a fish passage monitoring and mitigation plan, in consultation with NMFS, USFWS, ODFW, ODEQ and CTWS, and approved by NMFS, USFWS and ODFW. In the event a fish passage obstruction, as defined by the plan, is caused or exacerbated by dam removal, PacifiCorp shall restore adequate fish passage by implementing mitigation measures set forth in the plan. PacifiCorp shall have no obligation to monitor or mitigate under this condition for more than one cycle of seasons beyond the return of the river to natural conditions, as determined by a team composed of representatives of NMFS, USFWS, ODFW, CTWS and PacifiCorp, in accordance with the geomorphology report.

4. General Conditions for Compliance with Water Quality Standards and Certification.

- a. *Fees.* PacifiCorp shall pay a fee for ODEQ's costs of overseeing implementation of this certification. The fee shall be \$5,000 (2003 dollars) annually, made payable to "State of Oregon, Department of Environmental Quality," and due on July 1 of each year after FERC approval of interim operation and decommissioning. The fee shall expire six years after the first July 1 following FERC approval of interim operation and decommissioning, unless terminated earlier by ODEQ because oversight of this certification is no longer necessary. One year before the sixth-anniversary expiration of the fee, ODEQ and PacifiCorp will review the need, if any, to modify, extend, or terminate the fee. PacifiCorp shall continue to pay any fee required after such review.
- b. *Spill and Waste Management.* PacifiCorp shall implement its SPCC Plan and Waste Management Guidelines. The SPCC Plan and Waste Management Guidelines must be

kept current. In the event of a spill or release or threatened spill or release of oil or waste to state waters, PacifiCorp shall immediately implement the site's SPCC Plan, modified SPCC Plan, or other applicable contingency plan and notify the Oregon Emergency Response System at 1-800-452-0311.

- c. *Certification Modification.* Subject to the provisions of OAR Chapter 340 Division 48, and, as applicable, 33 USC § 1341, ODEQ may reconsider, and add, delete, or alter, conditions to this certification as necessary to address changes in resource conditions or knowledge or to address any failure of certification conditions to protect water quality and beneficial uses. In accordance with 33 USC § 1341, any modification to conditions shall, so long as it is in effect, become a condition of any federal license or permit subsequently issued for the Project. With respect to a federal license or permit for the Project existing at the time of the modification to certification conditions, ODEQ may petition the federal agency to incorporate the modification into the federal license or permit.
- d. *Project Changes.* PacifiCorp shall obtain ODEQ review and approval before undertaking any change to the Project that might significantly affect water quality and that was not evaluated in connection with this certification, including changes to Project operation and flows.
- e. *Project Repair or Maintenance.* PacifiCorp shall obtain ODEQ review and approval before undertaking any Project repair or maintenance activity that might significantly affect water quality and that was not evaluated in connection with this certification.
- f. *Access.* PacifiCorp shall allow ODEQ reasonable access to Project records and the Project area as necessary to monitor compliance with certification conditions.
- g. *Posting of Certification.* PacifiCorp shall post a copy of this certification at a prominent location at the Project powerhouse.