

filing but is not ready for environmental analysis at this time—see attached standard paragraph E1.

1. *Description of Project:* The project would consist of: (1) An existing reservoir with a surface area of about 240 acres and a total storage volume of about 2,280 acre-feet at the normal maximum surface elevation of 729.7 feet (MSL); (2) an existing earth embankment, about 1,350 feet long with a crest width ranging from 15 feet to 60 feet, constructed of sand and gravel fill with reinforced concrete corewalls to bedrock; (3) an existing non overflow concrete gravity dam, 110 feet long and about 28 feet high; (4) an existing spillway, 84 feet long and about 32 feet high, constructed of reinforced concrete keyed into bedrock, consisting of three, 11 foot high by 20 foot wide, manually operated Taintor gates, and a fourth non operational gate, 11 feet high by 5 feet wide; (5) an existing powerhouse with a substructure, constructed of reinforced concrete on bedrock, about 86 feet long by 72 feet wide, and a superstructure, constructed of stone masonry with a steel frame roof; (6) existing powerhouse generating equipment consisting of: (a) three horizontal shaft Francis turbines, Units 1 and 2 rated at 600 hp at 28.5 feet of head, each with a maximum hydraulic capacity of 254 cfs, and Unit 3 rated at 450 hp at 28.5 feet of head with a maximum hydraulic capacity of 250 cfs (providing a maximum plant hydraulic capacity of 758 cfs), and (b) three horizontal shaft generators, Unit 1 manufactured by Electric Machinery Company and rated at 480 Kw, Unit 2 manufactured by Westinghouse and rated at 480 Kw as well, and Unit No. 3 manufactured by Westinghouse and rated at 360 Kw (providing a total plant capacity of 1,320 Kw); (7) an existing earth embankment, about 175 feet long with a crest width ranging from 15 feet to 60 feet, constructed of sand and gravel fill with reinforced concrete corewalls to bedrock; and (8) appurtenant facilities. No changes are being proposed for this subsequent license. The applicant estimates the average annual generation for this project would be 7,495 Mwh. The dam and existing project facilities are owned by Wisconsin Electric Power Company, 231 W. Michigan, P.O. Box 2046, Milwaukee, WI 53201.

m. *Purpose of Project:* Project power would be sold to Wisconsin Electric Power Company.

n. This notice also consists of the following standard paragraphs: B1 and E1.

o. *Available Location of Application:* A copy of the application, as amended and supplemented, is available for

inspection and reproduction at the Commission's Public Reference and Files Maintenance Branch, located at 941 North Capitol Street, NE., Room 3104, Washington, DC 20426, or by calling (202) 208-1371. A copy is also available for inspection and reproduction at The City of Oconto Falls, Wisconsin, 104 South Franklin Street, Oconto Falls, WI 54154 or by calling (414) 846-4505.

2 a. *Type of Application:* Major New License.

b. *Project No.:* 1927-008.

c. *Date filed:* January 30, 1995.

d. *Applicant:* PacifiCorp.

e. *Name of Project:* North Umpqua.

f. *Location:* On the North Umpqua River in Douglas County, Oregon.

g. *Filed Pursuant to:* Federal Power Act, 16 USC §§ 791(a)-825(r).

h. *Applicant Contact:*

Stanley A. deSousa, Director, Hydro Resources PacifiCorp, 920 S.W. Sixth Avenue, Portland, OR 97204, (503) 464-5343

Thomas H. Nelson, Stoel Rives Boley Jones & Grey, 900 S.W. Fifth Avenue, Portland, OR 97204, (503) 294-9281.

i. *FERC Contact:* Héctor M. Pérez, (202) 219-2843.

j. *Status of Environmental Analysis:*

This application is not ready for environmental analysis at this time—see attached paragraph E1.

k. *Deadline for protests and motions to intervene:* September 1, 1995.

1. The project consists of 8 developments as follows:

*Lemolo No. 1 :* (1) The 120-foot-high, 885-foot-long rockfill with concrete facing Lemolo dam with a sluice outlet discharge structure and a 106-foot-long spillway that has a 33-foot-wide Tainter-gated section and two 3-foot-high flashboards sections with a maximum operating elevation of 1,148.5 feet U.S.G.S.; (2) Lemolo Lake with a storage capacity of 11,752 acre-feet at normal maximum water elevation of 1,148.5 feet (Its principal tributaries are the North Umpqua River, Pool Creek, Lake Creek, and Spring River.); (3) a canal intake structure with trashracks and an intake gate; (4) a 7.5-foot-diameter and 164-foot-long power conduit; (5) a 61-foot-long discharge structure; (6) a 91-foot-long stilling basin; (7) a 195-foot-long control structure; (8) a 16,310-foot-long open channel conduit consisting of sections of gunite-lined canal (14,176 total length), concrete flume (2,042 feet) and concrete transitions (92 feet); (9) a forebay; (10) a 7,328-foot-long steel penstock varying in diameter from 9.7 to 7 feet; (11) a concrete powerhouse on the North Umpqua River at the mouth of Warm Springs Creek containing a

turbine-generator unit with a rated capacity of 29,000 kilowatts (Kw); and (12) the 12-mile-long transmission line No. 53 to the Clearwater switching station.

The licensee proposes to modify this development by: (1) changing the operating levels of Lemolo Lake; (2) expanding the forebay; (3) replacing the turbine runner to increase the output to 33,300 Kw; and (4) adding a wildlife canal escape at the downstream end of the canal near the forebay.

*Lemolo No. 2:* (1) The 25-foot-high and 350-foot-long concrete gravity Lemolo No. 2 dam with a sluice outlet structure and gate, a fish ladder, and a spillway with crest elevation of 3,322 feet with 3.3-foot-high flashboards, 190 feet downstream from the Lemolo No. 1 powerhouse; (2) a small pool with an area of 1.4 acres at normal water surface elevation of 3,325 feet (its maximum water surface elevation is 3,327 feet); (3) an intake structure with trashracks and a side channel intake spillway; (4) a 69,989-foot-long waterway consisting of 9,931 feet of concrete flume, 49,352 feet of gunite-lined canal, 6,465 feet of concrete and rock flume, 3,755 feet of steel flume, a 486-foot-long invert siphon, and concrete transitions; (5) a forebay; (6) an intake structure; (7) a 3,975-foot-long penstock with a diameter varying from 10.5 to 7.3 feet consisting of an 11-foot-long concrete section, a 108-foot-long concrete-encased steel section, and a 3,856-foot-long steel section; (8) a reinforced concrete powerhouse on the North Umpqua River containing a 33,000-Kw turbine-generator unit; and (9) the 1.4-mile-long transmission line No. 55 to Clearwater switching station.

These 7 creeks divert into the waterway along its length: Helen Creek, Potter Creek, Spotted Owl Creek, Karen Creek, Deer Creek, Thorn Creek, and Mill Creek.

The licensee proposes to modify this development by: (1) Adding resident fish screens in the forebay; (2) restoring the forebay removing the accumulated sediment; (3) upgrading the waterway capacity; (4) replacing the turbine runner to increase the maximum output to 39,800 Kw; (5) adding a new instream release structure and flow recording gage; (6) adding 14 wildlife bridges; and (7) adding 3 wildlife canal escapes.

*Clearwater No. 1:* (1) The 17-foot-high and 1,426-foot-long earthfill Clearwater No. 1 dam with a sluice outlet and a spillway with a crest elevation of 3,875 feet and 7.2-inch-high flashboards on the Clearwater River, about 9 miles of its confluence with the North Umpqua River; (2) Stump Lake with a storage capacity of 30.2 acre-feet at normal