

SUSITNA HYDROELECTRIC PROJECT

PROGRESS REPORT

JANUARY 1983

Prepared by:



ALASKA POWER AUTHORITY

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Period: January 1983

This report covers activities on the Susitna Hydroelectric Project for the month of January 1983.

Principal activities included the preparation of the final FERC License Application and the mobilization of the Becker Drill rig to the Watana site.

Summary of Task Activities

Task 72 - Surveys and Site Facilities

(a) Field Camps

The Watana camp was opened to support the winter drilling program. Acres, Harza-Ebasco, Harding and Lawson, Denali, and Helicopter support personnel were mobilized to the camp during the month.

Task 73 - Hydrology

The final draft of the FERC license was prepared and issued to the Power Authority on January 10. Work continued throughout the month in reviewing and incorporating comments into the license application.

Task 75 - Geotechnical Exploration

(a) Winter Drilling Program

Coordination meetings were held throughout the month with Harza-Ebasco and Denali Drilling Co. to scope and schedule the field activities.

The Becker rig was mobilized to the field during the week of the 24th where it commenced preparation of foundations for soil laboratory equipment and water well installation.

Construction of ice bridges continued through the month. Concern has been expressed about the potential problem of not getting sufficient ice thickness in the upstream portal and cofferdam areas.

A soils laboratory was constructed by Harding and Lawson on site.

A detailed drilling program was finalized.

(b) Transfer to New Engineer

Coordination between Harza-Ebasco and Acres was continued in passing geotechnical information. C. Fry from Harza-Ebasco visited the Buffalo office to inventory available data. Request for information will be forwarded to the Power Authority.

Task 76 - Design Development

(a) FERC License

Final drawing revision to Exhibit F were completed. Printing of these plates will commence during the first week of February.

(b) Feasibility Report Supplement

Work continued on the Feasibility Report Supplement, however, several sections remain to be completed pending submittal of the FERC license.

Task 77 - Environmental Studies

Work continued in the preparation of the final Exhibit "E" to the FERC license. Agency comments were received during the month and responses to these comments were being prepared.

Task 78 - Transmission

All changes and modifications to the transmission line route were completed and incorporated into Exhibits A, B, and F.

Task 79 - Cost Estimates and Schedules

All cost estimates and schedules were revised and incorporated in Exhibits C and D of the FERC application.

Task 80 - License Application

The final draft of the FERC license was submitted to the Power Authority on January 10. Agency comments on the first draft application submitted in November were received on January 17 and 18. It was concluded that all agency comments would be addressed in the final license application to be submitted in February.

Task 81 - Marketing and Finance

All work in marketing and finance were completed for incorporation into the FERC license application. A number of special assignments were undertaken at the request of the Power Authority to identify alternative financing options and to determine the effects of current legislation and revenue projections on the project. Some preliminary work was undertaken to determine order of magnitude implications of potential lower demand forecasts.

Task 83 - Administration

Work continued on cost and schedule monitoring for Amendment 4 work. Work continued in preparation and review of Amendment 5.