Docket Number: 2

BATTLE CREEK HYDROELECTRIC SYSTEM [REVOKED]

Preliminary Docket Information

DOCKET INFORMATION FORM

Compiled by: Alexa Kreiling Date: 1/7/2025

Initial Docket Information Form ☒ Amendment # _____ (1,2,3 ...)

Includes Confidential Content ☐

Park Unit: LAVO **Docket #:** 002 **Docket Title** Battle Creek Hydroelectric System [Revoked]

Docket Type:

Select all applicable: ☐ PC/V (pre-code/vested) ☒ APP (appropriative) ☐ RIP (riparian)
☐ FRR (federal reserved right) ☐ PWR (public water reserve) ☐ ACQ (acquired)
☐ GW (groundwater) ☐ Own (ownership) ☐ Other _____

Region:

☐ NER & NCR ☐ IMR
☐ SER ☐ MWR
☐ IMR ☒ PWR
☐ AKR

Source:

☐ Groundwater ☐ Spring (When recognized by the State as separate from groundwater and surface water)
☒ Surface Water
☐ Direct Diversion ☐ Diversion to Storage ☐ Instream Flow
Name: Battle Creek tributary to Sacramento River

State: CA
County: Tehama

Owner: US National Park Service - Lassen Volcanic National Park (As listed by the State)

Application #: 007823, 008714 **Date:** 10/27/1936, 3/29/1957

Permit #: 004333, 004840 **Date Issued:** _____

License / Certificate #: 002291 **Priority Date:** 1/25/1934, 6/23/1936

Ruling/Order/Decree #: _____ **Date Issued:** _____

Quantity: Rate: 6.45, 8 Duty: _____

Units: ☒ cfs ☐ gpm ☐ afy ☐ other _____ Units: ☐ cfs ☐ gpm ☐ afy ☐ other _____

Use(s): ☐ Domestic ☐ Livestock ☐ Irrigation ☐ Municipal ☐ Industrial/Commercial ☐ Wildlife ☐ Instream ☐ other _____

POD Name / Location: _____ ☐ Multiple PODs (see water right)

Qtr: SE Qtr: SE Sec: 22 T: 29 N R: 3 E PM: _____

Latitude: _____ Longitude: _____

UTM _____ , _____ Datum: _____

POU Name / Location: _____ ☐ Multiple POUs (see water right)

Qtr: _____ Qtr: _____ Sec: _____ T: _____ R: _____ PM: _____

Latitude: _____ Longitude: _____

UTM _____ , _____ Datum: _____

Narrative / Remarks: Enter short narrative in the space below, attach additional page(s) as needed.

Historic hydroelectric power supply system for the park headquarters.

☐ Additional Page(s) Attached

January 12, 2015

MEMO TO FILE

In 2014, the State of California suffered the third consecutive year of extreme drought. In January 2014, the Governor declared a drought emergency. The State Water Resources Control Board issued projections for the summer of 2014 as to likely calls for curtailment in the state's major watersheds.

In response, WRB contacted all of the NPS units in California regarding the drought and offered WRB's services to assist in preparations for potential calls for curtailment. A few parks responded, and WRB prepared drought assessments for SEKI, YOSE, and LAVO, and also worked with PINN and WHIS. The drought assessments included an inventory of the park's rights and uses, an assessment of the relative seniority of the parks rights, and an estimation of the likelihood of the park's rights being called for curtailment. In spring 2014, WRB sent to SEKI, YOSE, and LAVO the drought assessments with recommendations to ensure that park water needs were protected.

In summer 2014, the Board did issue calls for curtailment of post-1914 rights in order to protect the diversions of senior rights (pre-1914 and riparian). In addition, the State legislature passed laws regarding the management of groundwater—the first legislation regarding groundwater in the State's history. As a result of these developments, WRB updated the drought assessment and provided a final hardcopy to SEKI, LAVO, and YOSE, reflecting these developments.

Given the size of the drought assessment, one hard copy was put into Docket #1 of each park. In the remaining dockets, this Memo to File has been placed, referring readers to the drought assessment located in Docket #1.

Eric Lord
Water Rights Specialist
January 2015

00-00-0000: water right/source docket information

WATER RIGHT/SOURCE DOCKET INFORMATION

REGION Western AREA Lassen Volcanic National Park

SITE Battle Creek Hydroelectric System

STATE California COUNTY Tehama DOCKET NO WR #2

LOCATION $SE\frac{1}{4}$, $SE\frac{1}{4}$, sec. 22, T29N, R3E

REGIONAL BASIN LOCAL BASIN

ACQUIRED BY Appropriation

APPLICATION 8714 PERMIT 4840 CERTIFICATE 2291

ACTION DUE PRIORITY RESERVATION

QUANTITY USE Power

STATUS Inactive SOURCE Battle Creek

REMARKS License No. 2291 revoked by the State, March 29, 1957.

hydrologic unit #18020006

NARRATIVE: Lassen Volcanic National Park was established on August 9, 1916. In the early 1930's, the Park Service decided to provide the Mineral Headquarters site with electric power. The power was to be provided by means of a hydroelectric power plant on Battle Creek, a tributary to the Sacramento River. As the most feasible site was located on private property, the Park Service obtained from the owner, Diamond Match Company, a permit to build and maintain the hydroelectric system on its land, on December 30, 1933. Thereafter, the Park Service filed Application No. 7823 on January 25, 1934, for 6.45 cfs from Battle Creek for power purposes.

Apparently after further consideration, it was determined that 6 cfs would not generate sufficient power for the Headquarters area. The State Department of Public Works, early in 1936, recommended that an application be filed for the full amount of water needed, rather than apply again merely for additional water. Taking this advice, the Park Service filed Application No. 8714 on June 23, 1936. This application was similar to the prior application except that it listed 8 cfs as the amount to be appropriated. In conjunction with this action, the Park Service requested that Application No. 7823 be revoked. This was done by Order of the Department of Public Works on October 27, 1936.

Construction of the hydroelectric system commenced in 1934 and was finished by 1940. At that time, the system consisted of a concrete dam 11 feet long and 4 feet high, with penstock, generator, and 2 miles of transmission line. The maximum amount of power capable of being generated was 81.8 horsepower. Upon completion of the system, License No. 2291 was issued for 8 cfs on September 5, 1941.

Due to the rather intermittent nature of Battle Creek and increased demand for power during peak periods, it soon became obvious that the hydroelectric system was inadequate. In 1941, Pacific Gas and Electric had extended power lines to the Mineral Headquarters area. This allowed power to be purchased from PG&E during periods of excessive demand. By the early 1950's, the Headquarters area had acquired a diesel unit as a supplemental power source. Power from the Battle Creek system was used only at night. Finally, in 1953, Mineral Headquarters was connected permanently to commercial powerlines. The hydroelectric system was dismantled and sold in 1955. In 1957, the Park Service notified the State Water Resources Control Board that the project under License No. 2291 had been abandoned. On March 29, 1957, the Board revoked the license.

Compiled by Kevin Kidder

Approved by W. Werrell

00-00-0000: outline of assembly

LASSEN VOLCANIC NP
Battle Creek Hydroelectric System
Water Right Docket No. 2

Outline of Assembly

A. Permit to NPS for Hydro-electric development dtd 12/30/33.
B. Map of hydro-electric project.
C. Application to Appropriate unappropriated water filed 1/25/34.
D. Notice of Application to appropriate water 3/6/34
E. Ltr from State of Calif to Lassen enclosing item D. Ltr dtd 3/6/34.
F. Affidavit verifying notice of publication to appropriate water. Affidavit dtd 4/5/34.
G. Application to appropriate unappropriated water filed 6/23/36.
H. Ltr State of Calif to Lassen dtd 7/13/36 enclosing notice of application to appropriate water.
I. Ltr from State of Calif to Lassen requesting permission to have prints made of Application 7823. Ltr dtd 7/13/36
K. Advertising order from Dept/Int to News, Red Bluff, Calif dtd 7/25/36 re notice of application. ~~-dtd-8/6/~~
L. Advertising order from Dept/Int to News, Red Bluff, Calif dtd 8/6/36 re notice of application.
M. Voucher for payment of advertising to News, Red Bluff,Calif from NPS(forLassen)
N. Notice of Application to Appropriate water - 7/13/36
O. Affidavit of Publication - Subscribed and sworn 10/17/36.
P. Notice of Application 7/13/36
Q. Ltr State of Calif to Lassen 8/10/36 asking if Appl 7823 is to be withdrawn if Application 8714 is approved.
R. Memo to Reg 4 from NPS Chicago dtd 9/20/44 attaching description of equipment at Battle Creek Hydroelectric plant.
S. Ltr from Lassen to Calif State Division of Water Resources dtd 8/27/36 advising Application 7823 would be withdrawn upon approval of application 8714.
T. Order Revoking Permit dtd 10/27/36.
U. Ltr from State of Calif. to Lassen advising Order Revoking Permit has been entered and enclosing copy item T. Ltr dtd 10/27/36.
V. Progress Report by Permittee, Year 1937 dtd 11/2/37.
W. Progress Report by Permittee, Year 1938 dtd 10/19/38.
X. Progress Report by Permittee, Year 1939 dtd 11/3/39.
Z. Progress Report by Permittee, Year 1940 dtd 11/14/40.
AA. Ltr Lassen to Calif State Div of Water Resources dtd 11/19/40 reporting completion of project covered by Appl 8714, Permit 4840
BB. Memo from Reg 4 to Lassen dtd 6/27/41 re water increase.
CC. Memo Lassen to Reg 4 dtd 7/7/41 re water rights on hydroelectric plant.

DD. Ltr State of Calif to NPS/7/24/41 re water use increase at Lassen.
EE. Ltr Reg 4 to State of Calif 7/25/41 re water use increase at Lassen.
FF. Ltr Reg 4 to Director 9/24/41 re water appropriation for hydroelectric plant.
GG. License for diversion and use of water 9/5/41.
HH. Report of Licensee, Year 1944 10/27/44.
II. Report of Licensee, Year 1947 11/14/47.
JJ. Report of Licensee for the Years 1948, 1949 & 1950., 11/2/50.
KK. Report of Licensee for the Years 1951, 1952 & 1953., 11/3/53.
LL. Report of Licensee for the Years 1954, 1955,& 1956., 11/27/56.
MM. Report of Licensee for the Years 1954, 1955 & 1956., 1/7/57.
NN. Order Revoking License, 3/29/57.

Lassen Volcanic National Park
Water Right #2
Outline of Assembly - Correspondence

1. Letter to Superintendent from State Public Works, March 6, 1934

2. Letter to Superintendent from State Public Works, July 13, 1936

3. Letter to Superintendent from State Public Works, July 13, 1936

4. Letter to Superintendent from State Public Works, August 10, 1936

5. Letter to State Public Works from Superintendent, August 27, 1936

6. Letter to Superintendent from State Public Works, October 27, 1936

7. Memorandum to Superintendent from Hydraulic Engineer, June 27, 1941

8. Memorandum to Regional Hydraulic Engineer from Acting Superintendent, July 7, 1941

9. Letter to Hydraulic Engineer from State Engineer, July 24, 1941

10. Letter to State Engineer from Hydraulic Engineer, July 25, 1941

11. Memorandum to Director from Hydraulic Engineer, September 24, 1941

12. Memorandum to Regional Director from Acting Director, January 31, 1944

13. Memorandum to Regional Director from Hydraulic Engineer, September 20, 1944

14. Memorandum to Regional Director from Acting Superintendent, October 19, 1944

15. Memorandum to Regional Director from Chief Water Rights, October 27, 1944

16. Memorandum to Regional Director from Chief Water Division, November 20, 1947

17. Memorandum to Superintendent from Acting Regional Chief Lands, November 26, 1947

18. Letter to State Public Works from Chief Water Resources, November 7, 1950

19. Letter to State Engineer from Chief Water Resources, November 19, 1953

20. Letter to State Water Rights Board from Chief Water Resources, December 20, 1956

21. Letter to Chief Water Resources from Supervising Hydraulic Engineer, State Water Rights Board, January 2, 1957

22. Letter to State Water Rights Board from Chief Water Resources, January 7, 1957

23. Memorandum to Regional Director from Chief Water Resources, January 7, 1957

24. Letter to Chief Water Resources from State Engineer, March 29, 1957

25. Memorandum to Regional Director from Chief Water Resources, April 12, 1957

September 20, 1944.

Lassen Volcanic National Park

Battle Creek Hydroelectric Plant

Concrete dam - length crest 11 ft.; length bottom 2'; top width 9"; height 4'.

Pipe Line - 18" slip joint, riveted steel pipe 2500 feet long.

Gate - 22".

Wheel - Pelton 29" #30625; 10" double nozzle;
10" gate; 2 - 2-3/4" type B stream deflectors;
1 type O governor;
Rating, 45 HP; 240 RPM; 80 ft. head;
OPerating head, 90 ft.

Generator - General Electric #8055278; 31-1/4 KVA; 2300 volt;
3 phase, 60 cycle; 1200 RPM; 7.65 amp;
Exciter, 10 amp; 125 volt;
Oil Circuit Breaker #296782B.

Distribution - 1.7 miles 3 wire #6 on native cedar poles;
2 - 10 KW transformers;
1 - 5 KW transformer.

Purchased - 1933-1934 under PP 277 - $6,531.31
Total cost estimated $10,000.00 for water right purposes.

Water Right - Application 8714; Permit 4840; License 2291;
6.00 sec. ft.; priority June 23, 1936;
(Application 7823, priority Jan. 25, 1934, cancelled).

02 STATE

Lassen Volcanic National Park

BATTLE CREEK HYDROELECTRIC SYSTEM [REVOKED]

State Water Rights Documentation

03-29-1957: order revoking license: application no. 8714, permit no. 4840

STATE OF CALIFORNIA—STATE WATER RIGHTS BOARD

ORDER

APPLICATION 8714 PERMIT 4840 LICENSE 2291

ORDER REVOKING LICENSE

On January 11, 1957, there was received for and on behalf of licensee a statement that the project covered by License 2291, issued in the matter of Application 8714, had been abandoned.

It is therefore ordered that said license be and the same is hereby revoked and canceled, without prejudice, upon the records of the State Water Rights Board.

Witness the hand and the seal of the State Water Rights Board this 29th day of March, 1957

STATE WATER RIGHTS BOARD

By Leslie C. Jopson
Leslie C. Jopson
Chief Engineer

FORM 100

2873 7-54 5M SPO

COPY

State of California
STATE WATER RIGHTS BOARD
P. O. Box 1592
Sacramento 5, California

March 29, 1957

Application 8714 Permit 4840 License 2291

United States
Lassen Volcanic National Park
c/o A. van V. Dunn
National Park Service
Department of the Interior
Washington 25, D. C.

Gentlemen:

Your Report of Licensee in connection with License 2291, issued in the matter of Application 8714, is acknowledged.

It is noted that the project covered by the license has been abandoned. Therefore an order revoking the license, without prejudice, has been entered upon the records of the State Water Rights Board. A copy of the order is enclosed.

Your cooperation is appreciated.

Very truly yours,

STATE WATER RIGHTS BOARD

BY /s/ Leslie C. Jopson

State Engineer

Enc.
Cert.
cc: Forest Supervisor
Susanville, Calif.

24

01-07-1957: report of licensee for 1954, 1955, and 1956

STATE OF CALIFORNIA—STATE WATER RIGHTS BOARD
PUBLIC WORKS BUILDING
P. O. BOX 1079
SACRAMENTO 5

Report of Licensee for the Years 1954, 1955 and 1956

For the mutual benefit of licensee and the public a report is requested concerning the license noted below. With the information made available thereby this office will be in a position to readily advise licensee concerning new applications to appropriate from the same source or any other matters which might affect this appropriation. And if the report is carefully made it will enable this office to protect the owner of the license from any possibility of jeopardizing his rights under the license by reason of unauthorized changes in location of point of diversion or place of use, or otherwise. May we therefore have from you promptly a report upon the following matters? The reverse side of this sheet may be used if the spaces provided are inadequate.

THIS REPORT SHOULD COVER USE BY ALL RECORD HOLDERS OF THIS LICENSE

SOURCE Battle Creek tributary to Sacramento River APPLICATION 8714

LICENSE 2291

1. Names of all present holders of the license United States of America, Dept. of the Interior for Lassen Volcanic National Park
   Address National Park Service, Washington 25, D. C.

2. Was beneficial use of water made under this license in 1954? Yes. In 1955? No. In 1956? No. If no use of water was made in any one or more of the past three years please state the reason Commercial power replaced that formerly generated under this permit and license, during January 1953.

3. Describe briefly the use of water made during the past three years by all users under the license, indicating (a) the purposes for which used, i.e., power, municipal, mining, industrial, recreational, irrigation, domestic, etc.; (b) the season (particular months) of use; and (c) the amount, if known, and the extent of use, i.e., if for irrigation, give number of acres irrigated, if for domestic use give number of persons served, etc., The hydro-electric power plant was maintained under License 2291 until late in 1953 or early 1954, as standby unit, and was then sold and removed.

4. If either the location of point of diversion or place of use has been changed and the permission of this office has not yet been obtained, please describe nature of change

NOT APPLICABLE

5. If the project has been abandoned, please so state and license will be revoked Yes

United States of America, Dept. of the Interior
by A. van V. Dunn
A. van V. Dunn, Chief, Water Resources Sec.
National Park Service

Date January 7, 1957

(OVER)

4

STATE OF CALIFORNIA—STATE WATER RIGHTS BOARD
PUBLIC WORKS BUILDING
P. O. BOX 1079
SACRAMENTO 5

Docket 2 hatten

Report of Licensee for the Years 1954, 1955 and 1956

For the mutual benefit of licensee and the public a report is requested concerning the license noted below. With the information made available thereby this office will be in a position to readily advise licensee concerning new applications to appropriate from the same source or any other matters which might affect this appropriation. And if the report is carefully made it will enable this office to protect the owner of the license from any possibility of jeopardizing his rights under the license by reason of unauthorized changes in location of point of diversion or place of use, or otherwise. May we therefore have from you promptly a report upon the following matters? The reverse side of this sheet may be used if the spaces provided are inadequate.

THIS REPORT SHOULD COVER USE BY ALL RECORD HOLDERS OF THIS LICENSE

SOURCE Battle Creek trib. to Sacramento River. APPLICATION 8714

LICENSE 2291

1. Names of all present holders of the license United States of America, Dept. of the Interior for Lassen Volcanic National Park
   Address National Park Service, Washington 25, D. C.
2. Was beneficial use of water made under this license in 1954? Yes. In 1955? Yes. In 1956? Yes. If no use of water was made in any one or more of the past three years please state the reason --
3. Describe briefly the use of water made during the past three years by all users under the license, indicating (a) the purposes for which used, i.e., power, municipal, mining, industrial, recreational, irrigation, domestic, etc.; (b) the season (particular months) of use; and (c) the amount, if known, and the extent of use, i.e., if for irrigation, give number of acres irrigated, if for domestic use give number of persons served, etc., Water used to operate hydroelectric plant which requires 6 sec.ft. of water when available to provide light and power at Mineral Headquarters of Lassen Volcanic National Park. The plant is used at night when the larger diesel unit is not in operation, and for supplemental power at times of peak demand.
4. If either the location of point of diversion or place of use has been changed and the permission of this office has not yet been obtained, please describe nature of change Point of diversion and place of use have not been changed.
5. If the project has been abandoned, please so state and license will be revoked

United States of America, Dept. of the Interior
by J. van V. Dunn
A. van V. Dunn, Chief, Water Resources Section
National Park Service

Date November 27, 1956

(OVER)

FORM 91

YEAR 1956

40645 8-56 2M ① SPO

STATE OF CALIFORNIA—DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES
STATE ENGINEER

Report of Licensee for the Years 1951, 1952 & 1953

For the mutual benefit of licensee and the public a report is requested concerning the license noted below. With the information made available thereby this office will be in a position to readily advise licensee concerning new applications to appropriate from the same source or any other matters which might affect this appropriation. And if the report is carefully made it will enable this office to protect the owner of the license from any possibility of jeopardizing his rights under the license by reason of unauthorized changes in location of point of diversion or place of use, or otherwise. May we therefore have from you promptly a report upon the following matters? The reverse side of this sheet may be used if the spaces provided are inadequate.

THIS REPORT SHOULD COVER USE BY ALL RECORD HOLDERS OF THIS LICENSE

APPLICATION 8714 LICENSE 2291

SOURCE Battle Creek

1. Name of present holder of license United States of America, Department of the Interior
   National Park Service
   Address National Park Service, Washington 25, D. C.

2. Was beneficial use of water made under this license in 1951? Yes. In 1952? Yes.
   In 1953? Yes. If no use of water was made in any one or more of the past three years please state the reason

3. Describe briefly the use of water made during the past three years by all users under the license, indicating (a) the purposes for which used, i.e., power, municipal, mining, industrial, recreational, irrigation, domestic, etc.; (b) the season (particular months) of use; and (c) the amount, if known, and the extent of use, i.e., if for irrigation, give number of acres irrigated; if for domestic use give number of persons served, etc., The water has been used for the operation of a hydroelectric plant requiring the diversion of 6 second-feet of water, when available, to provide light and power for the Mineral Headquarters of Lassen Volcanic National Park.

4. If either the location of point of diversion or place of use has been changed and the permission of this office has not yet been obtained, please describe nature of change There has been no change in the point of diversion, place of use, or of the installation.

5. If the project has been abandoned, please so state and license will be revoked Not abandoned.

United States of America, Department of the Interior, National Park Service
By: R. Vaux Jones
Chief, Water Resources Branch
National Park Service
Licensee

Date November 3, 1953

(OVER)

FORM 91

YEAR 1953

82375 7-53 2M SPO

11-02-1950: report of licensee for 1948, 1949 and 1950

STATE OF CALIFORNIA—DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES
STATE ENGINEER

Report of Licensee for the Years 1948, 1949 & 1950

For the mutual benefit of licensee and the public a report is requested concerning the license noted below. With the information made available thereby this office will be in a position to readily advise licensee concerning new applications to appropriate from the same source or any other matters which might affect this appropriation. And if the report is carefully made it will enable this office to protect the owner of the license from any possibility of jeopardizing his rights under the license by reason of unauthorized changes in location of point of diversion or place of use, or otherwise. May we therefore have from you promptly a report upon the following matters? The reverse side of this sheet may be used if the spaces provided are inadequate.

APPLICATION 8714 LICENSE 2291

SOURCE Battle Creek

United States of America, Department of the Interior

1. Name of present holder of license National Park Service

   Address National Park Service, Washington 25, D. C.

2. Was beneficial use of water made under this license in 1948? Yes. In 1949? Yes. In 1950? Yes. If no use of water was made in any one or more of the past three years please state the reason

3. Describe briefly the use of water made during the past three years by all users under the license, indicating (a) the purposes for which used, i.e., power, municipal, mining, industrial, recreational, irrigation, domestic, etc.; (b) the season (particular months) of use; and (c) the amount, if known, and the extent of use, i.e., if for irrigation, give number of acres irrigated, if for domestic use give number of persons served, etc., The water has been used for the operation of a hydroelectric plant requiring the diversion of 6 second-feet of water, when available, to provide light and power for the Mineral Headquarters of Lassen Volcanic National Park.

4. If either the location of point of diversion or place of use has been changed and the permission of this office has not yet been obtained, please describe nature of change There has been no change in the point of diversion, place of use, or of the installation.

5. If the project has been abandoned, please so state and license will be revoked Not abandoned.

United States of America, Department of the Interior, National Park Service

By (SGD.) A. VAN V. DUNN

Chief, Water Resources Branch *Licensee*

Date November 2, 1950

(OVER)

National Park Service

YEAR 1950

FORM 91

24650 3-50 1M SPO

THIS REPORT SHOULD COVER USE BY ALL RECORD HOLDERS OF THIS LICENSE

NOTE

This space may be used for amplification of statements on the reverse side or other matters pertinent to this license.

DO NOT WRITE IN THIS SPACE

STATE OF CALIFORNIA—DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES
STATE ENGINEER

Report of Licensee

For the mutual benefit of licensee and the public a report is requested concerning the license noted below. With the information made available thereby this office will be in a position to readily advise licensee concerning new applications to appropriate from the same source or any other matters which might affect this appropriation. And if the report is carefully made it will enable this office to protect the owner of the license from any possibility of jeopardizing his rights under the license by reason of unauthorized changes in location of point of diversion or place of use, or otherwise. May we therefore have from you promptly a report upon the following matters? The reverse side of this sheet may be used if the spaces provided are inadequate.

APPLICATION 8714 LICENSE 2291

SOURCE Battle Creek

1. Name of present holder of license United States of America, Department of the Interior, National Park Service

   Address National Park Service, Interior Building, Washington 25, D. C.

2. Was beneficial use of water made under this license in 1945? Yes. In 1946? Yes

   In 1947? Yes. If no use of water was made in any one or more of the past three years please state the reason Used each year to extent of available water supply.

3. Describe briefly the use of water made during the past three years by all users under the license, indicating (a) the season (particular months) of use, (b) the amount, if known, and (c) the purposes which were served, stating *acreage irrigated* or *average number of people served with domestic supply* if such uses were made Water is used throughout the year to generate electricity for use at the Mineral Headquarters of Lassen Volcanic National Park. A total of 6 second feet of water is used during the period of daily peak power demand when that amount of water is available for diversion. The full diversion is made throughout the year during part of each day, and additional power is purchased during seasons when the power demand is greater than the capacity of the hydrolectric plant.

4. If either the location of point of diversion or place of use has been changed and the permission of this office has not yet been obtained please describe nature of change The point of diversion has not been changed.

5. If the project has been abandoned please so state and license will be revoked Not abandoned.

United States of America, Department of the Interior, National Park Service
By R. Brad Dean Licensee
Chief, Water Division.

Date November 14, 1947.

(OVER)

FORM 91

YEAR 1947

THIS REPORT SHOULD COVER USE BY ALL RECORD HOLDERS OF THIS LICENSE

Lassen - Deed 6

FORM 91

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES
~~SACRAMENTO~~
STATE ENGINEER

Report of Licensee

For the mutual benefit of licensee and the public a report is requested concerning the license noted below. With the information made available thereby this office will be in a position to readily advise licensee concerning new applications to appropriate from the same source or any other matters which might affect this appropriation. And if the report is carefully made it will enable this office to protect the owner of the license from any possibility of jeopardizing his rights under the license by reason of unauthorized changes in location of point of diversion or place of use, or otherwise. May we therefore have from you promptly a report upon the following matters? The reverse side of this sheet may be used if the spaces provided are inadequate.

APPLICATION 8714 LICENSE 2291

SOURCE Battle Creek

1. Name of present holder of license United States of America, Department of the Interior, National Park Service

   Address Lassen Volcanic National Park, Mineral, California

2. Was beneficial use of water made under this license in ~~1940~~ 1942? Yes. In ~~1941~~ 1943? Yes

   In ~~1942~~ 1944? Yes. If no use of water was made in any one or more of the past three years please state the reason --

3. Describe briefly the use of water made during the past three years, indicating (a) the season (particular months) of use, (b) the amount, if known, and (c) the purposes which were served, stating *acreage irrigated* or *average number of people served with domestic supply* if such uses were made Full diversion was made continuously to provide power and light for the Mineral Headquarters of Lassen Volcanic National Park. This plant is inadequate for full power demand of the headquarters and is supplemented at times by purchases from the Pacific Gas and Electric Company. These purchases indicate full use within capacity and available water supply.

4. If either the location of point of diversion or place of use has been changed and the permission of this office has not yet been obtained please describe nature of change The point of diversion has not been changed.

5. If the project has been abandoned please so state and license will be revoked Not abandoned.

United States of America, Department of the Interior, National Park Service.
(SGD.) A. VAN [illegible]
Licensee

Date October 27, 1944. (OVER) Chief, Water Rights Section.

YEAR ~~1942~~ 1944

THIS REPORT SHOULD COVER USE BY ALL RECORD HOLDERS OF THIS LICENSE

NOTE

This space may be used for amplification of statements on the reverse side or other matters pertinent to this license.

DO NOT WRITE IN THIS SPACE

CALIFORNIA STATE PRINTING OFFICE

09-24-1941: memorandum to director from hydraulic engineer regarding appropriation of battle creek waters

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
REGION FOUR
SAN FRANCISCO, CALIFORNIA

September 24, 1941.

MEMORANDUM for the Director:

We enclose a copy of final License No. 2291 issued on Application 8714, Permit 4840, for the appropriation of waters of Battle Creek for hydroelectric purposes at Lassen Volcanic National Park, together with a copy of the Certificate of Filing with County Recorder.

You will notice that the Certificate of Filing does not specify any book or page number for recording, and we therefore sent the enclosed letter to the County Recorder for such information. The Recorder returned the letter with a notation at the botton advising that the license was merely filed in a drawer and not recorded in a book.

After consultation with Attorney Johnson we have decided to make further investigation to determine whether this is only a temporary method of filing or whether it is ultimately recorded in a book. If the latter is the case we shall follow the procedure until we obtain the proper record by book and page.

(Sgd.) A. van V. Dunn
Hydraulic Engineer.

Enclosure 2136777.

cc: Region IV.
Supt., Lassen Volcanic Nat. Park.

09-12-1941: certificate of filing with county recorder

COPY

CERTIFICATE OF FILING WITH COUNTY RECORDER

STATE OF CALIFORNIA)
) ss.
COUNTY OF Tehama)

I, Milton Hull, County Recorder of Tehama County, do hereby certify that a copy of License 2291 of the State Department of Public Works, Division of Water Resources, in favor of U. S. Lassen Volcanic National Park Application 8714, Permit 4840, was filed in my office on September 12 A. D. 1941

Witness my hand and Official Seal this 12th day of September A.D. 1941

(Copy)
(Seal)

Milton Hull
Recorder

Deputy

09-12-1941: license for diversion and use of water: permit no. 4848

COPY

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

LICENSE FOR DIVERSION AND USE OF WATER

LICENSE 2291 PERMIT 4840 APPLICATION 8714

THIS IS TO CERTIFY, That United States Lassen Volcanic National Park Mineral, California,

has made proof to the satisfaction of the Division of Water Resources of California of a right to the use of the waters of South Fork of Battle Creek in Tehama County tributary of Sacramento River for the purpose of power use under Permit 4840 of the Division of Water Resources and that said right to the use of said waters has been perfected in accordance with the laws of California, the rules and regulations of the Division of Water Resources and the terms of the said permit; that the priority of the right herein confirmed dates from

June 23, 1936;

that the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to the amount actually beneficially used for said purposes and shall not exceed six (6.00) cubic feet per second from January 1st to December 31st of each season.

The point of diversion of such water is located North seventy three degrees twenty seven minutes West (N. 73° 27' W.) seven hundred seventy two and seven tenths (772.7) feet from the southeast corner of Section 22, T. 29 N., R. 3 E., M.D.B.&M. and being within the SE¼ of SE¼ of said Section 22.

A description of the lands or the place where such water is put to beneficial use is as follows:

At a power house located within the SW¼ of SE¼ of Section 22, T. 29 N., R. 3 E., M.D.B. & M.

After use for power purposes the water is returned to South Fork of Battle Creek within the SW¼ of SE¼ of Section 22, T. 29 N., R. 3 E., M.D.B. & M.

All rights and privileges under this license including method of diversion, method of use and quantity of water diverted are subject to the continuing authority of the Division of Water Resources in accordance with law and in the interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water.

Reports shall be filed promptly by licensee on appropriate forms which will be provided for the purpose from time to time by the Division of Water Resources.

The right to the diversion and use of the water aforesaid hereby confirmed is restricted to the point of diversion herein specified and to the lands or place of use herein described.

This license is granted and said appropriator takes all rights herein mentioned subject to the terms and conditions set forth in Section 20 of Chapter 586, Statutes of 1913, as amended, which is as follows:

Sec. 20. All permits and licenses for the appropriation of water shall be under the terms and conditions of this act, and shall be effective for such time as the water actually appropriated under such permits and licenses shall actually be used for the useful and beneficial purpose for which said water was appropriated, but no longer; and every such permit or license shall include the enumeration of conditions therein which in substance shall include all of the provisions of this section and likewise the statement that any appropriator of water, to whom said permit or license may be issued, shall take the same subject to such conditions as therein expressed; provided, that at any time after the expiration of twenty years after the granting of a license, the state or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the state shall have the right to purchase the works and property occupied and used under said license and the works built or constructed for the enjoyment of the rights granted under said license; and in the event that the said state, city, city and county, municipal water district, irrigation district, lighting district or political subdivision of the state so desiring to purchase and the said owner of said works and property can not agree upon said purchase price, said price shall be determined in such manner as is now or may hereafter be determined in eminent domain proceedings. If it shall appear to the state water commission at any time after a permit or license is issued as in this act provided that the permittee, or licensee, or the heirs, successors, or assigns, of said permittee or licensee, has not put the water granted under said permit or license to the useful or beneficial purpose for which the permit or license was granted, or that the permittee or licensee, or the heirs, successors, or assigns of said permittee or licensee, has ceased to put said water to such useful or beneficial purpose, or that the permittee or licensee, or the heirs, successors or assigns of said permittee or licensee, has failed to observe any of the terms and conditions in the permit or license as issued, then and in that case the said commission, after due notice to the permittee, licensee, or the heirs, successors or assigns of such permittee or licensee, and a hearing thereon, may revoke said permit or license and declare the water to be unappropriated and open to further appropriation in accordance with the terms of this act. The findings and declaration of said commission shall be deemed to be prima facie correct until modified or set aside by a court of competent jurisdiction; provided, that any action brought so to modify or set aside such finding or declaration must be commenced within thirty days after the service of notice of said revocation on said permittee or licensee, his heirs, successors, or assigns. And every licensee or permittee under the provisions of this act if he accepts such permit or license shall accept the same under the conditions precedent that no value whatsoever in excess of the actual amount paid to the state therefor shall at any time be assigned to or claimed for any permit or license granted or issued under the provisions of this act, or for any rights granted or acquired under the provisions of this act, in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any permittee or licensee, his heirs, successors or assigns or by the holder of any rights granted or acquired under the provisions of this act, or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the state or any city, city and county, municipal water district, irrigation district, lighting district or any political subdivision of the state, of the rights and property of any permittee or licensee, or

the possessor of any rights granted, issued, or acquired under the provisions of this act. The application for a permit by municipalities for the use of water for said municipalities or the inhabitants thereof for domestic purposes shall be considered first in right, irrespective of whether they are first in time; provided, however, that such application for a permit or the granting thereafter of permission to any municipality to appropriate waters, shall not authorize the appropriation of any water for other than municipal purposes; and providing, further, that where permission to appropriate is granted by the state water commission to any municipality for any quantity of water in excess of the existing municipal needs therefor, that pending the application of the entire appropriation permitted, the state water commission shall have the power to issue permits for the temporary appropriation of the excess of such permitted appropriation over and above the quantity being applied from time to time by such municipality; and providing, further, that in lieu of the granting of such temporary permits for appropriation, the state water commission may authorize such municipality to become as to such surplus a public utility, subject to the jurisdiction and control of the railroad commission of the State of California for such period or periods from and after the date of the issuance of such permission to appropriate, as may be allowed for the application to municipal uses of the entire appropriation permitted; and provided, further, that when such municipality shall desire to use the additional water granted in its said application it may do so upon making just compensation for the facilities for taking, conveying and storing such additional water rendered valueless for said purposes, to the person, firm or corporation which constructed said facilities for the temporary use of said excess waters, and which compensation, if not agreed upon between the municipality and said person, firm or corporation, may be determined in the manner provided by law for determining the value of property taken by and through eminent domain proceedings.

Witness my hand and the seal of the Department of Public Works of the State of California, this 5th day of September, 19 41

(SEAL)

EDWARD HYATT
State Engineer

/s/ Edward Hyatt

LICENSE 2521

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES

LICENSE
TO APPROPRIATE WATER

ISSUED TO U. S. Lassen Volcanic National Park

DATED September 5, 1941

COPY

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
SACRAMENTO

Edward Hyatt, State Engineer
Chief of Division

Frank W. Clark
Director

Division of Water Resources
401 Public Works Building

July 24, 1941

Application 8714 - Permit 4840

National Park Service
U.S. Department of the Interior
San Francisco, California

Attention: Mr. A. van V. Dunn, Hydraulic Engineer

Gentlemen:

Reference is made to your memorandum of June 27, 1941 to Superintendent Preston, Lassen Volcanic National Park, a copy of which memorandum was sent to this office.

The report of our engineer who inspected the development under Application 8714, Permit 4840 on May 9, 1941 indicates that the amount of water actually applied to beneficial use for the generation of electrical energy has been approximately 6.0 c.f.s. and if no immediate change in the diversion system is proposed it is suggested that the permittee accept license for that amount.

However, if it is proposed to increase the capacity of the plant in the near future in order to utilize the entire 8.0 c.f.s. for which Application 8714 was approved we will be pleased to consider a request for a reasonable extension of time within which to apply the water to full beneficial use. In no event could a license be issued for an amount of water in excess of 8.0 c.f.s.

We will be pleased to receive from the permittee either a statement signifying its willingness to accept a license at this time limiting the right initiated under Application 8714, Permit 4840 to 6 cubic feet per second or a request for an extension of time accompanied by a statement as to why the extension is necessary and the probable additional time which will be required to complete the development.

Very truly yours,

EDWARD HYATT, STATE ENGINEER

By /s/ Harold Conkling
Deputy State Engineer

cc: U.S. Lassen Volcanic National Park
c/o John C. Preston, Superintendent,
Mineral, California

Form 67e (Direct Diversion)
12/21/39

COPY

Application 8714 Permit 4840

REPORT OF COMPLETION

To Division of Water Resources
Department of Public Works
Sacramento, California

Gentlemen:

As prescribed by Section 19 of the Water Commission Act it is desired to report completion of the project covered by the application and permit noted above. Use of water is full and complete and it is not intended to increase the amount heretofore beneficially used, or to extend the use into months other than those in which the water has heretofore been beneficially used. It is now in order to inspect the project and proceed with the issuance of a license which will confirm a right to such beneficial use of water as has heretofore been made, and to limit further use under the right both as to season and amount in accordance with past practice.

Very truly yours,
U. S. Department of Interior
National Park Service
LASSEN VOLCANIC NATIONAL PARK

(Signature of Permittee or Agent)
BY JOHN C. PRESTON, SUPERINTENDENT

DATE Nov. 19, 1940

11-14-1940: progress report by permittee: permit no. 4840

FORM 67

COPY

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES
SACRAMENTO

PROGRESS REPORT BY PERMITTEE

This report is of importance to you in establishing your water right. It will be used as a basis for action by the Division of Water Resources. It should therefore be filled out carefully and returned promptly.

Please bear in mind that neither the filing of an application nor the approval thereof constitutes a water right. Beneficial use alone establishes the right. When you have used the greatest amount of water you ultimately expect to use, and use has been made over the full period of the year intended, an inspection will be made and license will be issued confirming your right to the water theretofore actually put to beneficial use.

If the time allowed in your permit within which to complete either construction or beneficial use has expired and additional time is required an extension may be allowed upon a showing of good cause, which showing should include a description of the further development proposed and indicate the probable date of completion. Lack of funds can not be accepted as good cause for failure to complete.

The reverse side of this sheet may be used if the spaces provided are inadequate.

APPLICATION 8714 PERMIT 4840 SOURCE Battle Creek

1. *Name* of present holder of permit Lassen Volcanic National Park

   Address Mineral, California

2. Has the project been abandoned? No 3. Is construction *complete*? Yes

4. If construction is *incomplete* describe the additional works required in order to use the full quantity of water proposed

5. If additional construction is required please indicate date when it will be complete Maintenance only

5. Describe any construction work done **during the past 12 months** and state the estimated cost including labo

Replacement of rock dam with reinforced concrete. Also construction of fish ladder. Repair on 18 inch penstock. Total man days on job during last 12 months - 427. No expenditures other than CCC labor - cement and reinforcing steel purchased previously.

7. Has use of water commenced? Yes If so, describe use made **during the past 12 months** Constant use of 25 KW Hydro-electric power plant.

   If permit is for irrigation, state acreage irrigated; if for a subdivision state number of lots served, etc.

8. During which months was water used? Water used 12 months a year continuously.

9. Will water be used during any other months Water will be used continuously.

10. Have you used as much water as you expect to use under this permit? Yes

    If not, when will such use be full and complete?

    If necessary, use the reverse side of this sheet to explain your answers in this paragraph.

11. Neither the intake nor the place of use described in the permit should be changed without petition. Appropriate blanks will be sent upon request.

SIGN HERE

Permittee

Date Nov. 14 1940

(OVER)

YEAR 1940

STATE PRINTING OFFICE

NOTE

The space below may be used for describing in greater detail progress which has already been made toward completion of the project and plans for further development. Particularly if the time heretofore allowed for completion of either construction or use has expired and further time is needed, the causes of failure to complete should be stated and an estimate given of additional time required.

DO NOT WRITE IN THIS SPACE

11-03-1939: progress report by permittee: permit no. 4840

FORM 67

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES
SACRAMENTO

PROGRESS REPORT BY PERMITTEE

This report is of importance to you in establishing your water right. It will be used as a basis for action by the Division of Water Resources. It should therefore be filled out carefully and returned promptly.

Please bear in mind that neither the filing of an application nor the approval thereof constitutes a water right. Beneficial use alone establishes the right. When you have used the greatest amount of water you ultimately expect to use, and use has been made over the full period of the year intended, an inspection will be made and license will be issued confirming your right to the water theretofore actually put to beneficial use.

If the time allowed in your permit within which to complete either construction or beneficial use has expired and additional time is required an extension may be allowed upon a showing of good cause, which showing should include a description of the further development proposed and indicate the probable date of completion. Lack of funds can not be accepted as good cause for failure to complete.

The reverse side of this sheet may be used if the spaces provided are inadequate.

APPLICATION 8714 PERMIT 4840 SOURCE Battle Creek

1. *Name* of present holder of permit United States Department of the Interior, National Park Service, Lassen Volcanic National Park.

   Address Mineral, California

2. Has the project been abandoned? No 3. Is construction *complete*? Yes

4. If construction is *incomplete* describe the additional works required in order to use the full quantity of water proposed

x x x xx

5. If additional construction is required please indicate date when it will be complete x x x x x x

5. Describe any construction work done **during the past 12 months** and state the estimated cost including labo

A more efficient dam was constructed to insure water for the operation of the hydro-electric plant. Work was done by CCC labor and supervision. Cost of materials approximately $1,000.00.

7. Has use of water commenced? Yes If so, describe use made **during the past 12 months** For hydro-electric
   If permit is for irrigation, state acreage irrigated; if for a subdivision state number of lots served, etc.

penstock and power plant on Battle Creek which supplies power and light via 3 phase #6 copper wire transmission line to Lassen Volcanic National Park Headquarters near Mineral a distance of approximately 2 miles between plant and point of distribution.

8. During which months was water used? Twelve months per year

9. Will water be used during any other months Twelve months per year

10. Have you used as much water as you expect to use under this permit? Yes

    If not, when will such use be full and complete? - - - - -
    If necessary, use the reverse side of this sheet to explain your answers in this paragraph.

11. Neither the intake nor the place of use described in the permit should be changed without petition. Appropriate blanks will be sent upon request.

SIGN HERE _____
Permittee

Date November 3, 1939

(OVER)

YEAR 1939

STATE PRINTING OFFICE

NOTE

The space below may be used for describing in greater detail progress which has already been made toward completion of the project and plans for further development. Particularly if the time heretofore allowed for completion of either construction or use has expired and further time is needed, the causes of failure to complete should be stated and an estimate given of additional time required.

DO NOT WRITE IN THIS SPACE

FORM 67

COPY

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES
SACRAMENTO

PROGRESS REPORT BY PERMITTEE

This report is of importance to you in establishing your water right. It will be used as a basis for action by the Division of Water Resources. It should therefore be filled out carefully and returned promptly.

Please bear in mind that neither the filing of an application nor the approval thereof constitutes a water right. Beneficial use alone establishes the right. When you have used the greatest amount of water you ultimately expect to use, and use has been made over the full period of the year intended, an inspection will be made and license will be issued confirming your right to the water theretofore actually put to beneficial use.

If the time allowed in your permit within which to complete either construction or beneficial use has expired and additional time is required an extension may be allowed upon a showing of good cause, which showing should include a description of the further development proposed and indicate the probable date of completion. Lack of funds can not be accepted as good cause for failure to complete.

The reverse side of this sheet may be used if the spaces provided are inadequate.

APPLICATION 8714 PERMIT 4840 SOURCE Battle Creek

1. *Name* of present holder of permit U. S. Gov't., Department of the Interior, Lassen Volcanic National Park,

   Address Mineral, California.

2. Has the project been abandoned? No 3. Is construction *complete*? Yes

4. If construction is *incomplete* describe the additional works required in order to use the full quantity of water proposed

   - - - -

5. If additional construction is required please indicate date when it will be complete - - - -

5. Describe any construction work done **during the past 12 months** and state the estimated cost including labo

   All construction was complete in 1934; therefore, only some additional repair and maintenance since that time. Total cost of construction of the plant was $10,000.00. Storm during winter necessitated repair of the different units of the Hydro-Electric plant, including penstock, power house and transmission line, and dam. Additional expenditures for repairs: Dam, Penstock & Power house - $1218.50; Transmission line - $1780.33.

7. Has use of water commenced? Yes If so, describe use made **during the past 12 months** For Hydro-Electric
   If permit is for irrigation, state acreage irrigated; if for a subdivision state number of lots served, etc.

   Penstock and powerplant on Battle Creek which supplies power and light via a 3 phase #6 copper wire transmission line to Lassen Volcanic National Park Headquarters near Mineral, a distance of approximately two miles between plant and point of distribution. Power application is for development in SE¼ of SE¼ of Sec. 22, T29N R3E.

8. During which months was water used? Twelve months per year.

9. Will water be used during any other months Twelve months per year.

10. Have you used as much water as you expect to use under this permit? Yes

    If not, when will such use be full and complete? - - - -
    If necessary, use the reverse side of this sheet to explain your answers in this paragraph.

11. Neither the intake nor the place of use described in the permit should be changed without petition. Appropriate blanks will be sent upon request.

SIGN HERE

Date October 19, 1938 (OVER) Superintendent Lassen Volcanic NP Permittee

YEAR 1938

STATE PRINTING OFFICE

NOTE

The space below may be used for describing in greater detail progress which has already been made toward completion of the project and plans for further development. Particularly if the time heretofore allowed for completion of either construction or use has expired and further time is needed, the causes of failure to complete should be stated and an estimate given of additional time required.

The completed Hydro-Electric plant on Battle Creek includes approximately 2500 lin/ft. of 18" slip joint steel penstock pipe, a rock and earth fill dam, a powerhouse, and a 12 mile high voltage transmission line which runs off of Forest Service property through private property back on the eighty acre tract of Park Headquarters. The power line is a 2300 volt 3 phase #6 copper wire of standard construction. The powerhouse is a concrete floor and wall, shake roof structure, in which is a generator, pelton wheel, and switchboard.

DO NOT WRITE IN THIS SPACE

10-19-1938: progress report by permittee for 1937: permit no. 4840

FORM 67

COPY

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES
SACRAMENTO

PROGRESS REPORT BY PERMITTEE

This report is of importance to you in establishing your water right. It will be used as a basis for action by the Division of Water Resources. It should therefore be filled out carefully and returned promptly.

Please bear in mind that neither the filing of an application nor the approval thereof constitutes a water right. Beneficial use alone establishes the right. When you have used the greatest amount of water you ultimately expect to use, and use has been made over the full period of the year intended, an inspection will be made and license will be issued confirming your right to the water theretofore actually put to beneficial use.

If the time allowed in your permit within which to complete either construction or beneficial use has expired and additional time is required an extension may be allowed upon a showing of good cause, which showing should include a description of the further development proposed and indicate the probable date of completion. Lack of funds can not be accepted as good cause for failure to complete.

The reverse side of this sheet may be used if the spaces provided are inadequate.

APPLICATION 9714 PERMIT 4840 SOURCE Battle Creek

1. *Name* of present holder of permit U. S. Gov't. Department of the Interior, Lassen Volcanic National Park,

   Address Mineral, California.

2. Has the project been abandoned? No 3. Is construction *complete*? Yes

4. If construction is *incomplete* describe the additional works required in order to use the full quantity of water proposed

   ———

5. If additional construction is required please indicate date when it will be complete ———

5. Describe any construction work done during the past 12 months and state the estimated cost including labo

   All construction was complete in 1934; therefore, only some additional repair and maintenance since that time. Total cost of construction of the plant was $10,000.00.

7. Has use of water commenced? Yes. If so, describe use made during the past 12 months For Hydro-Electric

   If permit is for irrigation, state acreage irrigated; if for a subdivision state number of lots served, etc.

   Penstock and powerplant on Battle Creek which supplies power and light via a 3 phase #6 copper wire transmission line to Lassen Volcanic National Park Headquarters near Mineral, a distance of approximately two miles between plant and point of distribution. Power application is for development in SE 1/4 of SE 1/4 of Section 22, Township 29N, Range 3E.

8. During which months was water used? Twelve months per year.

9. Will water be used during any other months Twelve months per year.

10. Have you used as much water as you expect to use under this permit? Yes

    If not, when will such use be full and complete? ———

    If necessary, use the reverse side of this sheet to explain your answers in this paragraph.

11. Neither the intake nor the place of use described in the permit should be changed without petition. Appropriate blanks will be sent upon request.

Date November 2, 1937

SIGN HERE John C. Preston
Superintendent Lassen Volcanic NP
Permittee

(OVER)

YEAR 1937

STATE PRINTING OFFICE

NOTE

The space below may be used for describing in greater detail progress which has already been made toward completion of the project and plans for further development. Particularly if the time heretofore allowed for completion of either construction or use has expired and further time is needed, the causes of failure to complete should be stated and an estimate given of additional time required.

The completed Hydro-electric plant on Battle Creek includes approximately 2500 lin. feet of 18" slip joint steel penstock pipe, a rock and earth fill dam, a powerhouse, and a 12 mile high voltage transmission line which runs off of Forest Service property through private property back on the eighty acre tract of Park Headquarters. The power line is a 2300 volt 3 phase #6 copper wire of standard construction. The powerhouse is a concrete floor and wall, shake roof structure, in which is a generator, pelton wheel, and switchboard.

DO NOT WRITE IN THIS SPACE

10-27-1936: letter to superintendent from deputy in charge of water rights regarding revocation of permit no. 4333

COPY

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
SACRAMENTO

Earl Lee Kelly
Director

Division of Water Resources
401 Public Works Building

Edward Hyatt, State Engineer
Chief of Division

October 27, 1936

Application 7823, Permit 4333

Mr. E. P. Leavitt, Superintendent
Lassen Volcanic National Park
Mineral via Red Bluff
California

Dear Sir:

In accordance with your letter of August 27, 1936, authorizing the revocation of the permit numbered above, an order has been entered revoking said permit, a copy of which order is enclosed.

It is desired to express our appreciation of your cooperation in this connection. If at some later date you desire to go ahead with the project a new application may be filed.

Very truly yours,

/s/ Harold Conkling
Deputy in Charge of Water Rights

Reg.

08-27-1936: letter to deputy in charge of water rights from superintendent regarding intention to withdraw application no. 7823

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
LASSEN VOLCANIC NATIONAL PARK
MINERAL, VIA RED BLUFF, CALIF.

Office of the Superintendent

August 27, 1936

Harold Conkling,
Deputy in Charge of Water Rights
Division of Water Resources
401 Public Works Building
Sacramento, California

Dear Mr. Conkling:

Answering your letter of the 10th, Subject: Applications 7823 and 8714, Permit 4333, this is to advise that it is our intention to withdraw application 7823 for water rights for power purposes on Battle Creek after application 8714 is approved.

The first application calls for 6.05 second feet, and it was your suggestion that we make application for the full amount of water needed, rather than to make application for an additional quantity. Your suggestions in the matter have been followed.

Very truly yours,

/s/ E. P. Leavitt

E. P. Leavitt
Superintendent

EPL:M
CC: Joseph Taylor

08-10-1936: letter to superintendent from deputy in charge of water rights regarding withdrawal of application

COPY

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
SACRAMENTO

Division of Water Resources
401 Public Works Building

Edward Hyatt, State Engineer
Chief of Division

August 10, 1936.

Applications 7823 and 8714
Permit 4333

Mr. E. P. Leavitt, Superintendent
Lassen Volcanic National Park,
Mineral via Red Bluff,
California.

Dear Sir:

Receipt is acknowledged of your letter of July 27th. It is observed that it does not state whether former Application 7823 is to be withdrawn if new Application 8714 is approved. It will be appreciated if you will refer to second paragraph of our letter of July 13th and advise.

Very truly yours,

/s/ Harold Conkling
Deputy in Charge of Water Rights.

Standard Form No. 1053
Form approved by Comptroller General U. S.
January 30, 1928

ADVERTISING ORDER

No. _____

(If signed by the head of a department or establishment, a separate letter of authority to advertise is unnecessary. See instructions relative to written authority on reverse hereof.)

U. S. Department of the Interior
(Department or establishment, bureau or office)

Washington, D. C., Aug 6 1936

Publisher of the
News,
Red Bluff,
California.

Letter of authority to advertise:
Date _____, 19____
No. _____

SIR:

You are hereby authorized to publish the inclosed advertisement relating to notice of application for appropriation of water for use in Lassen Volcanic National Park

to be set solid, without paragraphing, and without any display in the heading unless otherwise expressly authorized in the specifications attached to the advertisement or in "Remarks" below (see instructions on reverse hereof), in the evening edition of your paper, 1 times, ~~prior~~ to one week after the 3rd publication of the same notice, ~~authorized by advertising~~ order dated July 25, 1936, (Give dates on which publication is desired, if preferred)

provided your charges for the same do not exceed the sworn rates on file or to be filed in this department or establishment and such rates are not in excess of the *commercial rates charged to private individuals,* with the usual discounts.

Your bill for this service should be rendered upon the inclosed voucher form immediately after the last insertion of the advertisement. **The voucher, together with this advertising order** and a marked copy of each issue of the paper containing the advertisement, should be addressed to The Superintendent, Lassen Volcanic National Park, Mineral, California.

The voucher must be certified by the publisher or publishers, or other person authorized to sign for him or them.

Remarks:

Respectfully,

(Sgd.) OSCAR L. CHAPMAN

(*Title*) Assistant Secretary.

(FOLLOW CAREFULLY INSTRUCTIONS ON OTHER SIDE)

10—1845

INSTRUCTIONS TO PUBLISHERS

TAKE NOTICE! READ CAREFULLY!

With the view of obviating delays in the adjustment and payment of accounts for official advertising, attention is invited to the following:

WRITTEN AUTHORITY FOR PUBLICATION REQUIRED

"No advertisement, notice, or proposal for any executive department of the Government, or for any bureau thereof, or for any office therewith connected, shall be published in any newspaper whatever, except in pursuance of written authority for such publication from the head of such department; and no bill for any such advertising, or publication, shall be paid unless presented, with such bill, a copy of such written authority." (Section 3828, Revised Statutes.)

ADVERTISING RATES

"That hereafter all advertisements, notices, proposals for contracts, and all forms of advertising required by law for the several departments of the Government, may be paid for at a price not to exceed the commercial rate charged to private individuals, with the usual discounts; such rates to be ascertained from the sworn statements to be furnished by the proprietors or publishers of the newspapers proposing so to advertise." (Act of June 20, 1878, 20 Stat. 216.)

Blanks upon which to render the sworn statements required by the above law are furnished by the executive departments and establishments upon application. The affidavits so filed need not be renewed until rates are changed.

The filing of a statement of rates in one department or establishment can not be construed as a notice to another department or establishment that rates have been filed. Such statements must be furnished to each department or establishment, or bureau or office thereof, advertising.

The departments and establishments prefer *counted-line rates*, as they furnish fewer opportunities for mistakes and misunderstandings in the settlement of bills than do rates based upon the space line, inch, square, word, or folio. If the commercial rates of a publication are by the space line, inch, square, word, or folio, the Government counted-line rates should preferably be quoted which would be relatively the same or less; otherwise the said commercial rates should be quoted. "Special," "local," or "reading" rates can not be allowed.

Changes in advertising rates or ownership of newspapers should be promptly reported to the departments and establishments.

WHEN ADVERTISEMENTS MUST BE SET SOLID

In auditing bills no allowance will be made for *displayed* or *leaded* advertisements or *prominent headings* unless otherwise expressly authorized. Unless so authorized the matter must be set up *solid, without paragraphing*, and should be in the *type specified in the sworn statement* of rates on file in the departments and establishments. If other type be used, no allowance shall be made for additional space on that account. All abbreviations in copy must be strictly followed.

The following is a sample of solid line advertisement set up in accordance with the usual Government requirements:

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 16, 1913.—Sealed proposals will be received at this office until 3 o'clock p. m. on the 20th day of June, 1913, and then opened, for an electric vault-protection system in the United States post office at Indianapolis, Ind., in accordance with the specification, copies of which may be had at this office or at the office of the custodian at the discretion of the Supervising Architect, O. Wenderoth, Supervising Architect.

The particular column or page of the paper in which advertisements appear is left entirely to the option of the publisher.

In no case must an advertisement extend beyond the morning of the date herein named for the opening of the bids, sale of material, public hearings, etc., or the dates herein named for publication.

RENDITION OF VOUCHERS

Every account for official advertising must be rendered upon the standard form of voucher and be accompanied by the Advertising Order, copy of general letter of authority to advertise, and a copy of each issue of the publication in which the advertisement appeared. If copy of general letter of authority to advertise has been previously furnished, reference may be made on the voucher to the month in which filed, in lieu of attaching another copy to the voucher. This form of Advertising Order may, in cases where only the publication of an advertisement in one paper is involved, be used as a combined written authority of the head of the department or establishment to advertise and an order on the publisher to publish the advertisement therein described; but in cases where more than one advertisement and/or newspaper is involved, it will be used as an order on the publisher based on a previous general letter of authority to advertise. If copies of the publication are not available, it will be satisfactory to furnish in lieu thereof an affidavit of publication.

All vouchers for advertising must be made out and certified with durable ink. No delible or fugitive inks, pencils, or stamps are permitted to be used in preparing them.

10—1845

U. S. GOVERNMENT PRINTING OFFICE: 1928

Standard Form No. 1053
Form approved by Comptroller General U. S.
January 30, 1928

COPY

ADVERTISING ORDER

No. _____

(If signed by the head of a department or establishment, a separate letter of authority to advertise is unnecessary. See instructions relative to written authority on reverse hereof.)

U. S. Department of the Interior
(Department or establishment, bureau or office)

Washington, D. C., Jul 25 1936

Publisher of the
News,
Red Bluff,
California.

Letter of authority to advertise:
Date _____, 19____
No. _____

SIR:

You are hereby authorized to publish the inclosed advertisement relating to notice of application for appropriation of water for use in Lassen Volcanic National Park

to be set solid, without paragraphing, and without any display in the heading unless otherwise expressly authorized in the specifications attached to the advertisement or in "Remarks" below (see instructions on reverse hereof), in the evening edition of your paper, 3 times, ~~prior~~ ~~to~~ once a week for three successive weeks, first publication to be not later than July 28, 1936,
(Give dates on which publication is desired, if preferred)
provided your charges for the same do not exceed the sworn rates on file or to be filed in this department or establishment and such rates are not in excess of the *commercial rates charged to private individuals,* with the usual discounts.

Your bill for this service should be rendered upon the inclosed voucher form immediately after the last insertion of the advertisement. **The voucher, together with this advertising order** and a marked copy of each issue of the paper containing the advertisement, should be addressed to The Superintendent, Lassen Volcanic National Park, Mineral, California.

The voucher must be certified by the publisher or publishers, or other person authorized to sign for him or them.

Remarks:

Respectfully,

(Sgd.) T. A. WALTERS

(*Title*) First Assistant Secretary.

(FOLLOW CAREFULLY INSTRUCTIONS ON OTHER SIDE)

10—1845

INSTRUCTIONS TO PUBLISHERS

TAKE NOTICE! READ CAREFULLY!

With the view of obviating delays in the adjustment and payment of accounts for official advertising, attention is invited to the following:

WRITTEN AUTHORITY FOR PUBLICATION REQUIRED

"No advertisement, notice, or proposal for any executive department of the Government, or for any bureau thereof, or for any office therewith connected, shall be published in any newspaper whatever, except in pursuance of written authority for such publication from the head of such department; and no bill for any such advertising, or publication, shall be paid unless presented, with such bill, a copy of such written authority." (Section 3828, Revised Statutes.)

ADVERTISING RATES

"That hereafter all advertisements, notices, proposals for contracts, and all forms of advertising required by law for the several departments of the Government, may be paid for at a price not to exceed the commercial rate charged to private individuals, with the usual discounts; such rates to be ascertained from the sworn statements to be furnished by the proprietors or publishers of the newspapers proposing so to advertise." (Act of June 20, 1878, 20 Stat. 216.)

Blanks upon which to render the sworn statements required by the above law are furnished by the executive departments and establishments upon application. The affidavits so filed need not be renewed until rates are changed.

The filing of a statement of rates in one department or establishment can not be construed as a notice to another department or establishment that rates have been filed. Such statements must be furnished to each department or establishment, or bureau or office thereof, advertising.

The departments and establishments prefer *counted-line rates*, as they furnish fewer opportunities for mistakes and misunderstandings in the settlement of bills than do rates based upon the space line, inch, square, word, or folio. If the commercial rates of a publication are by the space line, inch, square, word, or folio, the Government counted-line rates should preferably be quoted which would be relatively the same or less; otherwise the said commercial rates should be quoted. "Special," "local," or "reading" rates can not be allowed.

Changes in advertising rates or ownership of newspapers should be promptly reported to the departments and establishments.

WHEN ADVERTISEMENTS MUST BE SET SOLID

In auditing bills no allowance will be made for *displayed* or *leaded* advertisements or *prominent headings* unless otherwise expressly authorized. Unless so authorized the matter must be set up *solid*, *without paragraphing*, and should be in the *type specified in the sworn statement* of rates on file in the departments and establishments. If other type be used, no allowance shall be made for additional space on that account. All abbreviations in copy must be strictly followed.

The following is a sample of solid line advertisement set up in accordance with the usual Government requirements:

> TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 16, 1913.—Sealed proposals will be received at this office until 3 o'clock p. m. on the 20th day of June, 1913, and then opened, for an electric vault-protection system in the United States post office at Indianapolis, Ind., in accordance with the specification, copies of which may be had at this office or at the office of the custodian at the discretion of the Supervising Architect, O. Wenderoth, Supervising Architect.

The particular column or page of the paper in which advertisements appear is left entirely to the option of the publisher.

In no case must an advertisement extend beyond the morning of the date herein named for the opening of the bids, sale of material, public hearings, etc., or the dates herein named for publication.

RENDITION OF VOUCHERS

Every account for official advertising must be rendered upon the standard form of voucher and be accompanied by the Advertising Order, copy of general letter of authority to advertise, and a copy of each issue of the publication in which the advertisement appeared. If copy of general letter of authority to advertise has been previously furnished, reference may be made on the voucher to the month in which filed, in lieu of attaching another copy to the voucher. This form of Advertising Order may, in cases where only the publication of an advertisement in one paper is involved, be used as a combined written authority of the head of the department or establishment to advertise and an order on the publisher to publish the advertisement therein described; but in cases where more than one advertisement and/or newspaper is involved, it will be used as an order on the publisher based on a previous general letter of authority to advertise. If copies of the publication are not available, it will be satisfactory to furnish in lieu thereof an affidavit of publication.

All vouchers for advertising must be made out and certified with durable ink. No delible or fugitive inks, pencils, or stamps are permitted to be used in preparing them.

10—1845

U. S. GOVERNMENT PRINTING OFFICE: 1926

07-13-1936: letter superintendent from deputy in charge regarding application form for advertising

COPY

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
SACRAMENTO

Division of Water Resources
401 Public Works Building

Edward Hyatt, State Engineer
Chief of Division

July 13, 1936.

Application 8714

Mr. E. P. Leavitt, Superintendent
Lassen Volcanic National Park,
Mineral, Tehama County,
California.

Dear Sir:

Your above numbered application is in sufficient form for advertising, notices of which are enclosed. Will you please authorize us to have two prints made from the tracing on file with Application 7823, Permit 4333, in order to complete the map requirements for Application 8714?

Reference is made to your letter of February 13, 1936, concerning Application 7823, Permit 4333. Since there are no intervening priorities on this stream it is assumed that you desire to withdraw this application and permit if and when your new Application 8714 is approved. Please advise whether or not our assumption is correct.

Very truly yours,

/s/ Harold Conkling
Deputy in Charge of Water Rights.

Enc.
Reg.

0000-0000: application to appropriate unappropriated water: application no. 8714

FORM 1 FILE IN DUPLICATE

[For full information concerning the filling out and filing of this form refer to Regulation 4 of Rules and Regulations of the Division of Water Resources Governing the Appropriation of Water]

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

DIVISION OF WATER RESOURCES

Application No. 8714 Filed June 23, 1936 at 11:34 AM.
(Applicant must not fill in the above blanks)

APPLICATION TO APPROPRIATE UNAPPROPRIATED WATER

This application involves in no way the right to construct a dam

I, United States of America (Lassen Volcanic National Park)
Name of applicant

of Mineral, County of Tehama
Post office

State of California, do hereby make application for a permit to appropriate the following described unappropriated waters of the State of California, *SUBJECT TO EXISTING RIGHTS:*

Source, Amount, Use and Location of Diversion Works

1. **The source** of the proposed appropriation is Battle Creek
Give name of stream, lake, etc., if named; if unnamed state nature of source and that it is unnamed

located in Tehama County, tributary to Sacramento River

2. **The amount of water** which applicant desires to appropriate under this application is as follows:

(*a*) For diversion to be directly applied to beneficial use without storage 8 cubic feet per second
1 cubic foot per second equals 40 statute miner's inches or 646,317 gallons per day

to be diverted from January 1st to December 31st of each season.
Beginning date each season Closing date each season

(*b*) For diversion to be stored temporarily and later applied to beneficial use _____ acre-feet per annum
1 acre-foot equals 325,851 gallons

to be collected between _____ and _____ of each season.
Beginning date each season Closing date each season

NOTE.—Answer (*a*) or (*b*) or both (*a*) and (*b*) as may be necessary. The amounts stated must be in definite terms of some established unit of measurement. Neither these amounts nor the season may be increased after application is filed.

3. **The use** to which the water is to be applied is power
Irrigation, power, municipal, mining, industrial, recreational, domestic. Recreational use may be deemed to include all uses incidental to a resort such as domestic, boating, fish culture, etc.
_____ purposes.

NOTE.—A separate application must be made for each use except that incidental domestic use may be included with any other use.

4. **The point of diversion** is ~~xxxx~~ located N. 73° 27' W. 772.7 feet from the S.E. corner of Section 22
State bearing and distance or coordinate distances to section or quarter section corner

being within the SE¼ SE¼
State 40-acre subdivision of U. S. Government survey or projection thereof

of Section 22, Tp. 29 N, R. 3 E, M.D. M., in the County of Tehama

5. **The main conduit** terminates in SW¼ SE¼ of Sec. 22, Tp. 29 N, R. 3 E, M.D. M.
State 40-acre subdivision of U. S. Government survey or projection thereof

Description of Diversion Works

NOTE.—An application can not be approved for an amount grossly in excess of the estimated capacity of the diversion works

6. **Intake or Headworks** (fill only those blanks which apply)

(*a*) Diversion will be made by pumping: Capacity of plant _____ gallons per minute.

(*b*) Diversion will be by gravity, the diverting dam being four feet in height (stream bed to level of overflow); 40 feet long on top; and constructed of concrete (proposed)
Concrete, earth, brush, etc.

(*c*) The storage dam will be _____ feet in height (stream bed to overflow level); _____ feet long on top; have a freeboard of _____ feet, and be constructed of _____
Concrete, earth, etc.

7. **Storage Reservoir** _____
Name

The storage reservoir will flood lands in _____
Indicate section or sections, also 40-acre subdivisions unless shown upon map

It will have a surface area of _____ acres, and a capacity of _____ acre-feet.

☞ In case of insufficient space for answers in form, attach extra sheets at top of page 3 and cross reference.

COPY

8. **Conduit System** (describe main conduits only)

(*a*) Canal, ditch, flume: Width on top (at water line) _____ feet; width at bottom _____
Cross out two not used

feet; depth of water _____ feet; length _____ feet; grade _____ feet per 1,000 feet; materials of construction _____
Earth, rock, timber, etc.

(*b*) Pipe line: Diameter 18 inches; length 2500 feet; grade 36 feet per 1,000 feet; total fall from intake to outlet 90 feet; kind riveted steel (slip joint)
Riveted steel, cement, wood-stave, etc.

NOTE.—If a combination of different sizes or kinds of conduit is to be used, attach extra sheets with complete description, also show location of each clearly on map.

9. **The estimated capacity** of the diversion works proposed is 8
State cubic feet per second or gallons per minute

The estimated cost of the diversion works proposed is $8,000.00
Give only cost of intake, or headworks, pumps, storage reservoirs and main conduits described herein

Completion Schedule

Complete with exception of proposed dam.

10. **Construction work** ~~will begin within~~ _____ ~~months after approval of this application.~~

Construction work will be completed within two years after approval of this application.

The water will be completely applied to the proposed use within two years after approval of this application.

Description of Proposed Use

11. **Place of Use.** SW¼, SE¼ Section 22, T 29 N, R 3 E, M.D.M.
State 40-acre subdivisions of the public land survey. If area is unsurveyed indicate the location as if lines of the public land survey were projected. In the case of irrigation use state the number of acres to be irrigated in each 40-acre tract, if space permits. If space does not permit listing all 40-acre tracts, describe area in a general way and show detail upon map. These blanks need not be filled in when municipal use is proposed.

Does applicant own the land whereon use of water will be made? No
Yes or No

Use Permit - Diamond Match Company and U.S. Forest Service
If applicant does not own land whereon use of water will be made, state what arrangements have been made with owner.

12. **Domestic Use.** [If incidental to one of the major uses described in Paragraphs 13, 14, 15, 16, 17 or 18 domestic use may be included in the same application with any one thereof, and Paragraph 12 should be filled out. If the domestic use is not incidental to some major use a separate application is required.]

Domestic use is proposed as follows: _____
Describe nature of use which may include stock water and the irrigation of domestic gardens not exceeding one-half acre each in area connected with places of residence

The amount for which application is made was determined by _____
Describe basis of estimate of quantity needed

13. **Irrigation Use.** (See marginal note.) The area to be irrigated is _____ acres.
State net acreage to be irrigated

The segregation of acreage as to crops is as follows: Rice _____ acres; alfalfa _____ acres; orchard _____ acres; general crops _____ acres.

NOTE.—Care should be taken that the various statements as to acreage are consistent with each other, with the statement in Paragraph 11, and with the map.

The irrigation season will begin about _____ and end about _____
Beginning date each season — Closing date each season

The land to be irrigated has another / no other water right or source of water supply other than that herein applied for. The nature and amount of the additional supply referred to is _____

14. **Power Use.** (See marginal note.) The total fall to be utilized is 90 feet.
Difference between nozzle or draft tube water level and first free water surface above

The maximum amount of water to be used through the penstock is 8 cubic feet per second.

The maximum theoretical horsepower capable of being generated by the works is 81.8 horsepower.
Second feet × fall ÷ 8.8

The use to which the power is to be applied is governmental use
For distribution and sale or private use, etc.

The nature of the works by means of which power is to be developed is Pelton Wheel
Turbine, Pelton wheel, hydraulic ram, etc.

The water ~~will~~ be returned to Battle Creek in SW¼ SE¼ of
Name stream — State 40-acre subdivision

Sec. 22, Tp. 29 N, R. 3 E, M.D. M.

OF PARAGRAPHS 13, 14, 15, 16, 17 and 18

, power, municipal, mining, industrial and recreational uses.

r use may be included on the same application.

DO NOT WRITE IN THIS SPACE

ATTACH EXTRA SHEETS HERE

DO NOT FILL IN MORE THAN ONE
Applications must be filed upon separate blanks for irrigatio
Domestic use when incidental to some other mai

15. Municipal Use. (See marginal note.) This application is made for the purpose of serving _____ (Name city or cities, town) _____ having a present population of _____ (or towns. Urban areas only)

The estimated average daily consumption during the month of maximum use at the end of each five-year period until the full amount applied for is put to beneficial use is as follows:

16. Mining Use. (See marginal note.) The name of the mining property to be served is _____ (Name of claim) _____ and the nature of the mines is _____ (Gold placer, lead quartz, etc.)

The method of utilizing the water is _____

It is estimated that the ultimate water requirement for this project will be _____ (Cubic feet per second, gallons per minute. State basis of estimate)

The water will / will not be polluted by chemicals or otherwise _____ (Explain nature of pollution, if any)

and it will / will not be returned to _____ (Name stream) in _____ (State 40-acre subdivision) of Sec. _____, Tp. _____, R. _____, _____ M.

17. Industrial Use. (See marginal note.) The nature of the use proposed is _____ (Describe nature and method of use)

The amount for which application is made was determined by _____ (Describe basis of estimate of quantity needed)

18. Recreational Use. (See marginal note.) Water will be used for _____ (Describe nature and method of use)

The amount for which application is made was determined by _____ (Describe basis of estimate of quantity needed)

General

19. Are the maps as required by the Rules and Regulations filed with Application? Yes (Yes or No). If not, state specifically the time required for filing same _____

20. Does the applicant own the land at the proposed point of diversion? No (Yes or No). If not, state what steps have been taken to secure right of access thereto Written Use Permit - Diamond Match Company

21. What is the name of the post office most used by those living near the proposed point of diversion? Mineral, California

22. What are the names and addresses of claimants of water from the source of supply below the proposed point of diversion? No claimants between the point of diversion and the point of return

UNITED STATES OF AMERICA
(Lassen Volcanic National Park)
By E.P. Leavitt, Superintendent
Lassen Volcanic National Park

[SIGNATURE OF APPLICANT] By W.W. Moore, Acting

Form 61.1. 70215-3 8-29 1M

IMPORTANT
(Please Read Carefully)

1. Note the terms and conditions of this permit. Construction work must be prosecuted diligently, and the water promptly applied to the beneficial use intended. Annual reports of progress will be expected from you upon printed forms which will be forwarded from time to time. When the water has been fully applied to the beneficial uses intended the law prescribes that notice shall be given to the Division of Water Resources.
2. Neither this application nor the permit is a water right, but if the terms and conditions of the permit are observed a water right can be obtained through beneficial use of the water--the extent of the right to be determined by a field inspection which will be made by an engineer of the Division of Water Resources.
3. No change in point of diversion or place of use can be made under this application and permit without the consent of the Division of Water Resources.
4. If the rights under this permit are assigned immediate notice to that effect with the name and address of the new owner should be forwarded to the Division of Water Resources, Sacramento, California.
5. Please advise immediately of any change of address. Until otherwise advised communications to you will be addressed as was the letter transmitting this permit.

(California State Printing Office)

APPLICANT MUST NOT FILL IN BLANKS BELOW

PERMIT No. 4840

This is to certify that the application of which the foregoing is a true and correct copy has been considered and is hereby approved SUBJECT TO VESTED RIGHTS and the following limitations and conditions in addition to those enumerated in Chapter 586, Statutes 1913, as amended.

1. The amount of water appropriated shall be limited to the amount which can be beneficially used, and shall not exceed eight (8) cubic feet per second from January 1st to December 31st of each season.

2. The maximum amount herein stated may be reduced in the license if investigation so warrants.

3. Actual construction work shall begin on or before May 1st, 1937, and shall thereafter be prosecuted with reasonable diligence, and if not so commenced and prosecuted this permit may be revoked.

4. Said construction work shall be completed on or before December 1st, 1939.

5. Complete application of the water to the proposed use shall be made on or before December 1st, 1940.

6. Progress reports shall be filed promptly by permittee on forms appropriate to the purpose which will be provided annually by the Division of Water Resources until license is issued.

Witness my hand and the seal of the Department of Public Works of the State of California this 23d *day of* November *19* 36

EDWARD HYATT
State Engineer

(SEAL)

By (Signed) Harold Conkling
Deputy

CALIFORNIA STATE PRINTING OFFICE
30203 3-36 5M

00-00-0000: affidavit of publication

COPY

Notice of Application :
:
to Appropriate Water : AFFIDAVIT OF PUBLICATION
:
Application 8714 :

STATE OF CALIFORNIA, :
: SS.
COUNTY OF TEHAMA :

George Anna M. Lilly being first duly sworn, deposes and says: That at all times hereinafter mentioned she was a citizen of the United States, over the age of eighteen years and a resident of said county, and was at and during all said times the Prin. Clerk of the Red Bluff Daily News, a newspaper of general circulation printed and published daily in the City of Red Bluff, in said County of Tehama, State of California; that said Red Bluff Daily News is, and was at all times herein mentioned a newspaper of general circulation as that term is defined by Section 4460 of the Political Code, and, as provided by said section, is published for the dissemination of local and telegraphic news and intelligence of a general character, having a bona fide subscription list of paying subscribers, and is not devoted to the interests, or published for the entertainment or instruction of a particular class, profession, trade, calling, race or denomination, or for the entertainment and instruction of any number of such classes, professions, trades, callings, races or denominations; that at all times said newspaper had been established, printed and published in the said City of Red Bluff, in said County and State, at regular intervals for more than one year preceding the first publication of the notice herein mentioned; that said notice was set in type not smaller than nonpareil, and was preceded with words printed in black-face type, not smaller than nonpareil, describing and expressing in general terms the purport and character of the notice intended to be given; that the Notice of Application, of which the annexed is a printed copy, was printed and published in said newspaper once a week for 4 successive weeks, on the following dates, to-wit: July 28, 1936, August 4, 11, 18, 1936.

(Signed) George Anna M. Lilly

Subscribed and sworn to before me this 17th day of October, 1936.

(Signed) Eleanor Champlin
Notary Public in and for Tehama County, California

(SEAL)

My commission expires Jan. 31, 1937.

COPY

NOTICE OF APPLICATION TO APPROPRIATE WATER

Application 8714.

Notice is Hereby Given, That U. S. Lassen Volcanic National Park, Mineral, California, has under date of June 23, 1936, applied to the Division of Water Resources, Department of Public Works, State of California, for a permit to appropriate unappropriated water, subject to existing rights.

Description of Project

Water to be appropriated from Battle Creek, tributary to Sacramento River.

County of Tehama.

Amount applied for: 8 cubic feet per second.

Diversion season named: January 1st to December 31st of each season.

Water to be used for power purposes.

Point of diversion within SE¼ of SE¼ of Section 22, T. 29 N., R. 3 E., M. D. B. & M.

Place of use described: Within SW¼ of SE¼ of said Section 22.

Water will be returned to Battle Creek at power plant.

Relative to Protests

Blanks upon which to submit protests will be supplied free upon request by the Division of Water Resources.

Any person desiring to protest against the granting of such permit shall within 60 days from date hereof file with the Division of Water Resources, Sacramento, California, a written protest. Such protest shall clearly set forth the protestant's objections to the granting of the application and shall contain the following information:

(1) Statement of the injury which would result to protestant from such appropriation and use.

(2) The basis of protestant's water right.

(3) Protestant's past and present use of water both as to amount used and land irrigated, or use made of water if other than irrigation.

(4) The approximate location of protestant's land or place of use and point of diversion of the water.

A copy of the protest should be sent to the applicant and this office notified that the same has been done.

EDWARD HYATT,
State Engineer.

Dated: Sacramento, California, July 13, 1936.

Dates of pub: July 28, Aug. 4, 11, 18, 1936.

FORM 8-A

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES
SACRAMENTO

NOTICE OF APPLICATION TO APPROPRIATE WATER

Application 8714

NOTICE IS HEREBY GIVEN, That U. S. Lassen Volcanic National Park, Mineral, California,

has under the date of June 23, 1936, applied to the Division of Water Resources, Department of Public Works, State of California, for a permit to appropriate **unappropriated** *water, subject to existing rights.*

Description of Project

Water to be appropriated from Battle Creek, tributary to Sacramento River

County of Tehama

Amount applied for: 8 cubic feet per second

Diversion season named: January 1st to December 31st of each season

Water to be used for Power purposes

Point of diversion within SE¼ of SE¼ of Section 22, T 29 N, R 3 E, M.D.B. & M.

Place of use described: Within SW¼ of SE¼ of said Section 22.

Water will be returned to Battle Creek at power plant.

Relative to Protests

Blanks upon which to submit protests will be supplied free upon request by the Division of Water Resources.

Any person desiring to protest against the granting of such permit shall within 60 days from date hereof file with the Division of Water Resources, Sacramento, California, a written protest. Such protest shall clearly set forth the protestant's objections to the granting of the application and shall contain the following information:

(1) Statement of the injury which would result to protestant from such appropriation and use.

(2) The basis of protestant's water right.

(3) Protestant's past and present use of water both as to amount used and land irrigated, or use made of water if other than irrigation.

(4) The approximate location of protestant's land or place of use and point of diversion of the water.

A copy of the protest should be sent to the applicant and this office notified that the same has been done.

EDWARD HYATT
State Engineer

Dated: Sacramento, California
July 13, 19 36.

WEC : GG

98206 3-41 5M
STATE PRINTING OFFICE

COPY

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
SACRAMENTO

Division of Water Resources
401 Public Works Building

Edward Hyatt, State Engineer
Chief of Division

July 13, 1936.

Application 8714

U. S. Lassen Volcanic National Park,
Mineral,
California.

Gentlemen:

The application of yourselves to appropriate the waters of Battle Creek has been found to be in form for advertisement, and there are enclosed herewith two copies of a notice which is being sent to local postmasters and to interested parties whose names are known to the Division of Water Resources.

You are directed to publish this notice in a newspaper. Publication is to be at your expense and should be made on or before July 28, 1936, and be continued once each week thereafter for three consecutive weeks which is construed to mean four insertions. In case of inability to publish the notice within the time allowed kindly advise this office immediately and new notices of a later date can be forwarded. On or before September 11, 1936, proof of publication by affidavit of the publisher, or foreman of the newspaper, with copy of the notice attached should be filed with this office.

In accordance with Chapter 5, Statutes 1911, the State Board of Control has directed that this notice be published in The News and Times Sentinel, Red Bluff, California.

This notice is designed for the mutual protection of applicant and prior claimants. Although vested rights to the use of water from the source from which the appropriation is sought can not be lost, prejudiced or impaired by failure toprotest against the application, prior claimants are given this notice so that they may protest if it is felt the proposed appropriation will result in injury to them.

If protests are filed you will be furnished with copies thereof and you are required to file with this office and with the protestant a brief but complete answer to each protest. There is no prescribed legal form which such answer must take but anything which you may do toward placing this office in possession of all the facts relative to the objections raised to your application will expedite action thereon.

Very truly yours

WEC:GG
Enc.

Harold Conkling
Deputy in Charge of Water Rights

2

00-00-0000: permit

C O P Y PERMIT C O P Y

Permission is hereby granted to Lassen Volcanic National Park, Office of National Parks, Buildings and Reservations, Department of the Interior, United States of America to build or construct, use and maintain a Hydro-Electric system including a diversion dam, pipe line, and power production plant, and including also such buildings as may be necessary to house such plant in connection with the Hydro-Electric Power Development on Battle Creek for the purpose of supplying the Lassen Volcanic National Park Headquarters Area with electric service, on and across the lands of The Diamond Match Company, a corporation, according to the following courses and distances, to-wit:

DAMSITE, PENSTOCK AND POWER HOUSE

That rectangular certain parcel of land 25'x80' is designated as the Damsite and described as follows:

Beginning at a point "A", 772.7 ft. from the section corner common to Sections 22,23,26 and 27 T. 29 N, R. 3E, M.D.M. bearing N73° 27' W from said Section corner; thence N 39°20' W 10.0 ft.; thence N 50°40' E, 25.0'; thence S. 39°20' E. 80.0'; thence S.50°40' W, 25.0; thence N.39°20' W, 70.0' to the point "A" of beginning, said point "A" also being the center line and beginning of the 5 ft. right of way for penstock described as follows: Thence

South 50°40' West 86.9 feet, thence,
South 58°09' " 102.1 " "
South 68°33' " 63.5 " "
South 63°04' " 93.6 " "
South 70°10' " 81.3 " "
South 82°56' " 74.6 " "
North 60°21' " 124.2 " "
North 37°17' " 157.5 " "
North 24°55' " 162.3 " "
North 50°26' " 103.1 " "
North 58°53' " 102.7 " "
North 38°52' " 141.7 " "
North 52°39' " 95.6 " "
North 72°47' " 63.2 " "
North 82°34' " 100.6 " "
North 59°03' " 250.0 " "
North 33°34' " 221.7 " "
North 62°51' " 48.8 " "
South 79°04' " 120.0 " "
North 31°54' " 79.5 " "
North 22°08' " 66.5 " "
North 49°55' " a distance of 100.0 feet to a point

"B" in the center of the South Easterly face of a twenty foot (20'x20') square furthermore described as follows:

Thence North 40°05' East, 10 feet, thence
North 49°55' West, 20 " "
South 40°05' West, 20 " "
North 40°05' East, 10 " to Point "B"

The said plot of ground, twenty by twenty feet (20'x20') square is the proposed location and Right -of-way of a power house on the north slope of Battle Creek, between Battle Creek and the Red Bluff-Susanville State Highway in the NW ¼ of the SW ¼ of the SE ¼ of Section 22 Township 29 North, Range 3 East. The center of the plot is approximately 20 feet (20') East of the center line of Section 22 and approximately 325 feet South of the NW Corner of the SW quarter of the SE quarter of Section 22.

This permit shall continue and be in effect for a period of ten years from and after the date hereof, after which said period of time, said permit or privilege shall be terminable at the option of said The Diamond Match Company by giving thirty day's written notice to said Lassen Volcanic National Park, Office of National Parks, Buildings and Reservations, Department of the Interior, United States of America, that said permit or privilege is terminated, cancelled, ended and voided.

The permission here granted is a permissive use only and is not an easement, and shall not attach to or run with the land.

Permission is further given to said Lassen Volcanic National Park, Office of National Parks, Buildings and Reservations, Department of the Interior, United States of America, to have at all reasonable times, the right of ingress and egress to said premises aforesaid for the purpose of constructing and maintaining said pipe line, dam and power house.

In consideration whereof the said Lassen Volcanic National Park, Office of National Parks, Buildings and Reservations, Department of the Interior, United States of America hereby covenants to and with the Diamond Match Company, a corporation, that the said construction of said Hydro-Electric system will not in any way interfere with the logging operations which said the Diamond Match Company may carry on said premises hereinbefore mentioned in the future, and in the event such logging operations, including construction for railroad purposes, should

be carried on in the vicinity of the said Hydro-Electric system, and as a result thereof, said construction and maintenance of said Hydro-Electric system should interfere with such logging operations, that said Lassen Volcanic National Park, Office of National Parks, Buildings and Reservations, Department of the Interior, United States of America agrees to remove or relocate said Hydro-Electric system to avoid any such interference. It is understood and agreed that The Diamond Match Company shall be the sole judge at all times as to whether or not such construction and maintenance of said Hydro-Electric system do in fact interfere with its logging operations.

In the event of a breach of said covenants aforesaid, this permit shall thereupon stand immediately ended, cancelled, and voided.

It is further understood and agreed that the Lassen Volcanic National Park, Office of National Parks, Buildings and Reservations, Department of the Interior, United States of America shall have the right to remove any and all improvements installed on said land at any time during the life of this permit.

IN WITNESS WHEREOF, the said parties hereunder have caused these presents to be executed this 30th day of December, 1933.

THE DIAMOND MATCH COMPANY
a corporation

BY (Sgd.) W. B. Dean
Gen. Mgr.

WITNESSES BY:

(Sgd.) Geo. W. Reed Engr.
Western Field Headquarters, Office of National Parks, Buildings and Reservations,
Date Dec. 30, 1933

LASSEN VOLCANIC NATIONAL PARK
OFFICE OF NATIONAL PARKS,
BUILDINGS AND RESERVATIONS
DEPARTMENT OF THE INTERIOR
UNITED STATES OF AMERICA

BY (Sgd.) L. W. Collins
SUPERINTENDENT

Approved:

(Sgd.) Arno B. Cammerer

Director, Office of National Parks,
Buildings and Reservations.
Date January 17, 1934

00-00-0000: order revoking permit: application no. 7823 permit no. 4333

COPY

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES

ORDER

Application 7823 Permit 4333 License _____

ORDER REVOKING PERMIT

Under date of August 27, 1936, there was received from permittee in the above entitled matter a request that his said permit be revoked.

IT IS THEREFORE ORDERED that said permit be and the same is hereby revoked and cancelled upon the records of the Division of Water Resources without prejudice.

WITNESS my hand and the seal of the Department of Public Works of the State of California this 27th day of October, 1936.

EDWARD HYATT, State Engineer

By /s/ Harold Conkling
Deputy

(SEAL)

00-00-0000: notice of application to appropriate water: application 7823

Notice of Application to Appropriate Water

Application 7823

AFFIDAVIT OF PUBLICATION

DIVISION OF WATER RESOURCES
RECEIVED
1934 APR - 5 - PM 1 : 23
DEPARTMENT OF PUBLIC WORKS
SACRAMENTO - CALIF.

STATE OF CALIFORNIA, } SS.
COUNTY OF TEHAMA

George Anna Miller, being first duly sworn, deposes and says: That at all times herinafter mentioned he was a citizen of the United States, over the age of eighteen years, and a resident of said county, and was at and during all said times the Prin. Clk. of the Red Bluff Daily News and Times-Sentinel, a newspaper of general circulation printed and published daily in the City of Red Bluff, in said County of Tehama, State of California; that said Red Bluff Daily News and Times-Sentinel is and was at all times herein mentioned a newspaper of general circulation as that term is defined by Section 4460 of the Political Code, and, as provided by said section, is published for the dissemination of local and telegraphic news and intelligence of a general character, having a bona fide subscription list of paying subscribers, and is not devoted to the interests, or published for the entertainment or instruction of a particular class, profession, trade, calling, race or denomination, or for the entertainment and instruction of any number of such classes, professions, trades, callings, races or denominations; that at all said times said newspaper had been established, printed and published in the said City of Red Bluff, in said County and State, at regular intervals for more than one year preceding the first publication of the notice herein mentioned; that said notice was set in type not smaller than nonpareil, and was preceded with words printed in black-face type, not smaller than nonpareil, describing and expressing in general terms the purport and character of the notice intended to be given; that the Notice of Application, of which the annexed is a printed copy, was printed and published in said newspaper once a week for 4 successive weeks, on the following dates, to-wit:

March 10, 17, 24, 31, 1934

George Anna Miller

Subscribed and sworn to before me this 31st day of March, 1934.

Eleanor Champlin
Notary Public in and for Tehama County, California

My Commission Expires 1/31/37

NOTICE OF APPLICATION TO APPROPRIATE WATER

Application 7823

Notice is hereby given, that United States Lassen Volcanic National Park, c/o L. W. Collins, Superintendent, Mineral, California, has under the date of January 25, 1934 applied to the Division of Water Resources, Department of Public Works, State of California, for a permit to appropriate unappropriated water, subject to existing rights.

Description of Project

Water to be appropriated from Battle Creek, tributary to Sacramento River

County of Tehama

Amount applied for: 6.45 cubic feet per second

Diversion season named: January 1st to December 31st of each season

Water to be used for power purposes

Point of diversion within SE¼ of SE¼ of Section 22, T 29 N, R 3 E, M. D. B & M.

Place of use described: Within SW¼ of SE¼ of said Section 22. Water will be returned within SE¼ of SW¼ of said Section 22.

Relative to Protests

Blanks upon which to submit protests will be supplied free upon request by the Division of Water Resources.

Any person desiring to protest again the granting of such permit shall within 60 days from date hereof, file with the Division of Water Resources, Sacramento, California, a written protest. Such protest shall clearly set forth the protestant's objections to the granting of the application and shall contain the following information:

(1) Statement of the injury which would result to protestant from such appropriation and use.

(2) The basis of protestant's water right.

(3) Protestant's past and present use of water both as to amount used and land irrigated, or use made of water if other than irrigation.

(4) The approximate location of such land or place of use and of the point of diversion of the water.

A copy of the protest should be sent to the applicant and this office notified that the same has been done.

Dated: Sacramento, California March 6, 1934.

EDWARD HYATT,
State Engineer

Mar. 10, 17, 24, 31, 1934.

Affidavit

OK

01-25-1934: notice of application to appropriate water: application no. 7823

COPY

FORM 8-A

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES
SACRAMENTO

NOTICE OF APPLICATION TO APPROPRIATE WATER

Application 7823

NOTICE IS HEREBY GIVEN, That United States Lassen Volcanic National Park
c/o L. W. Collins, Superintendent,
Mineral, California

has under the date of January 25, 1934 applied to the Division of Water Resources, Department of Public Works, State of California, for a permit to appropriate unappropriated *water, subject to existing rights.*

Description of Project

Water to be appropriated from Battle Creek, tributary to Sacramento River

County of Tehama

Amount applied for: 6.45 cubic feet per second

Diversion season named: January 1st to December 31st of each season

Water to be used for power purposes

Point of diversion within SE¼ of SE¼ of Section 22, T 29 N, R 3 E, M.D.B.& M.

Place of use described: Within SW¼ of SE¼ of said Section 22. Water will be returned within SE¼ of SW¼ of said Section 22.

Relative to Protests

Blanks upon which to submit protests will be supplied free upon request by the Division of Water Resources.

Any person desiring to protest against the granting of such permit shall within 60 days from date hereof file with the Division of Water Resources, Sacramento, California, a written protest. Such protest shall clearly set forth the protestant's objections to the granting of the application and shall contain the following information:

(1) Statement of the injury which would result to protestant from such appropriation and use.

(2) The basis of protestant's water right.

(3) Protestant's past and present use of water both as to amount used and land irrigated, or use made of water if other than irrigation.

(4) The approximate location of protestant's land or place of use and point of diversion of the water.

A copy of the protest should be sent to the applicant and this office notified that the same has been done.

EDWARD HYATT
State Engineer

Dated: Sacramento, California
March 6, 1934
HSC:AH

98206 3-41 5M
STATE PRINTING OFFICE

01-25-1934: application to appropriate unappropriated water: application no. 7823

FORM 1 COPY FILE IN DUPLICATE

[For full information concerning the filling out and filing of this form refer to Regulation 4 of Rules and Regulations of the Division of Water Resources Governing the Appropriation of Water]

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES

Application No. 7823 Filed January 25, 1934 at 11:38 A. M.
(Applicant must not fill in the above blanks)

APPLICATION TO APPROPRIATE UNAPPROPRIATED WATER

This application involves in no way the right to construct a dam

I, United States Lassen Volcanic National Park
Name of applicant

of Mineral County of Tehama
Post office

State of California, do hereby make application for a permit to appropriate the following described unappropriated waters of the State of California, *SUBJECT TO EXISTING RIGHTS:*

Source, Amount, Use and Location of Diversion Works

1. **The source** of the proposed appropriation is Battle Creek
Give name of stream, lake, etc., if named; if unnamed state nature of source and that it is unnamed

located in Tehama County, tributary to Sacramento

2. **The amount of water** which applicant desires to appropriate under this application is as follows:

(*a*) For diversion to be directly applied to beneficial use without storage 6.45 cubic feet per second
1 cubic foot per second equals 40 statute miner's inches or 646,317 gallons per day

to be diverted from January 1 to December 31 of each season.
Beginning date each season Closing date each season

(*b*) For diversion to be stored temporarily and later applied to beneficial use ____ acre-feet per annum
1 acre-foot equals 325,851 gallons

to be collected between ____ and ____ of each season.
Beginning date each season Closing date each season

NOTE.—Answer (*a*) or (*b*) or both (*a*) and (*b*) as may be necessary. The amounts stated must be in definite terms of some established unit of measurement. Neither these amounts nor the season may be increased after application is filed.

3. **The use to which** the water is to be applied is Power
Domestic, irrigation, power, municipal, mining, industrial, recreational

purposes.

4. **The point of diversion** is to be located N 73° 27' W 772.7 feet from SE Cor. Sec. 22
State bearing and distance or coordinate distances to section or quarter section corner

being within the SE¼ of SE¼
State 40-acre subdivision of U. S. Government survey or projection thereof

of Section 22, Tp. 29 N, R. 3 E, M.D.B. M., in the County of Tehama

5. **The main conduit** terminates in SW of SE, of Sec. 22, Tp. 29 N., R. 3 E., M.D. M.
State 40-acre subdivision of U. S. Government survey or projection thereof

Description of Diversion Works

NOTE.—An application cannot be approved for an amount grossly in excess of the estimated capacity of the diversion works

6. **Intake or Headworks** (fill only those blanks which apply)

(*a*) Diversion will be made by pumping: Capacity of plant ____ gallons per minute.

no dam proposed - pipe to be buried in deep back water.

(*b*) Diversion will be by gravity, the diverting dam being ____ feet in height (stream bed to level of overflow); ____ feet long on top, and constructed of ____
Concrete, earth, brush, etc.

(*c*) The storage dam will be ____ feet in height (stream bed to overflow level); ____ feet long on top; have a freeboard of ____ feet, and be constructed of ____
Concrete, earth, etc.

7. **Storage Reservoir** ____
Name

The storage reservoir will flood lands in ____
Indicate section or sections, also 40-acre subdivisions unless shown upon map

It will have a surface area of ____ acres, and a capacity of ____ acre-feet.

☞ In case of insufficient space for answers in form, attach extra sheets at top of page 3 and cross reference.

8. **Conduit System** (describe main conduits only)

(*a*) Canal, ditch, flume: Width on top (at water line) _____ feet; width at bottom _____ feet; depth of water _____ feet; length _____ feet; grade _____ feet per 1,000 feet; materials of construction _____

Cross out two not used

Earth, rock, timber, etc.

(*b*) Pipe line: Diameter 18 inches; length 2400 feet; grade _____ feet per 1,000 feet; total fall from intake to outlet 90 feet; kind riveted and selded steel

Riveted steel, cement, wood-stave, etc.

NOTE.—If a combination of different sizes or kinds of conduit is to be used, attach extra sheets with complete description, also show location of each clearly on map.

9. **The estimated capacity** of the diversion works proposed is 6.45 c.f.s.

State cubic feet per second or gallons per minute

The estimated cost of the diversion works proposed is $9,280.00

Give only cost of intake, or headworks, pumps, storage reservoirs and main conduits described herein

Completion Schedule

10. **Construction work** ~~will begin on or before~~ has been commenced.

Construction work will be completed ~~on or before~~ within one year after approval of this application.

The water will be completely applied to the proposed use ~~on or before~~ within one year after approval of this application.

Description of Proposed Use

11. **Place of Use.** SW of SE of Sec. 22, T 29 N, R 3 E, M.D.B.& M.

State 40-acre subdivisions of the public land survey. If area is unsurveyed indicate the location as if lines of the public land survey were projected. In the case of irrigation use state the number of acres to be irrigated in each 40-acre tract, if space permits. If space does not permit listing all 40-acre tracts, describe area in a general way and show detail upon map. These blanks need not be filled in when municipal use is proposed.

Does applicant own the land whereon use of water will be made? No

Yes or No

Under permit from Diamond Match Co.

If applicant does not own land whereon use of water will be made, state what arrangements have been made with owner.

12. **Domestic Use.** Domestic use is proposed as follows: _____

Describe nature of use which may include stock water and the irrigation of domestic gardens not exceeding one-half acre each in area connected with places of residence.

The amount for which application is made was determined by _____

Describe basis of quantity needed

13. **Irrigation Use.** The area to be irrigated is _____ acres.

State net acreage to be irrigated

The segregation of acreage as to crops is as follows: Rice _____ acres; alfalfa _____ acres; orchard _____ acres; general crops _____ acres; pasture _____ acres.

NOTE.—Care should be taken that the various statements as to acreage are consistent with each other, with the statement in Paragraph 11, and with the map.

The irrigation season will begin about _____ and end about _____

Beginning date each season — Closing date each season

The land to be irrigated has another / no other water right or source of water supply other than that herein applied for. The nature and amount of the additional supply referred to is _____

14. **Power Use.** The total fall to be utilized is 90 feet.

Difference between nozzle or draft tube water level and first free water surface above

The maximum amount of water to be used through the penstock is 6.45 cubic feet per second.

The maximum theoretical horsepower capable of being generated by the works is 66 horsepower.

Second feet × fall ÷ 8.8

The use to which the power is to be applied is General Utility purposes

For distribution and sale or private use, etc.

The nature of the works by means of which power is to be developed is Pelton wheel

Turbine, Pelton wheel, etc.

The size of nozzle to be used is _____ inches.

The water will / ~~will not~~ be returned to Battle Creek in SE of SW of

Name stream — State 40-acre subdivision

Sec. 22, Tp. 29 N, R. 3 E, M.D.B. & M. ~~XXXX&XXX~~

Form 61A. 88991 9-31 1M

IMPORTANT
(Please Read Carefully)

1. Note the terms and conditions of this permit. Construction work must be prosecuted diligently, and the water promptly applied to the beneficial use intended. Annual reports of progress will be expected from you upon printed forms which will be forwarded from time to time. When the water has been fully applied to the beneficial uses intended the law prescribes that notice shall be given to the Division of Water Resources.
2. Neither this application nor the permit is a water right, but if the terms and conditions of the permit are observed a water right can be obtained through beneficial use of the water--the extent of the right to be determined by a field inspection which will be made by an engineer of the Division of Water Resources.
3. No change in point of diversion or place of use can be made under this application and permit without the consent of the Division of Water Resources.
4. If the rights under this permit are assigned immediate notice to that effect with the name and address of the new owner should be forwarded to the Division of Water
5. Please advise immediately of any change of address. Until otherwise advised communications to you will be addressed as was the letter transmitting this permit.

(California State printing Office)

DO NOT WRITE IN THIS SPACE

ATTACH EXTRA SHEETS HERE

15. Municipal Use. This application is made for the purpose of serving _____ (Name city or cities, town or towns. Urban areas only) _____ having a present population of _____

The estimated average daily consumption during the month of maximum use at the end of each five-year period until the full amount applied for is put to beneficial use is as follows:

_____

_____

_____

16. Mining Use. The name of the mining property to be served is _____ (Name of claim) _____ and the nature of the mines is _____ (Gold placer, quartz, etc.)

The method of utilizing the water is _____

It is estimated that the ultimate water requirement for this project will be _____ (Cubic feet per second, gallons per minute. State basis of estimate)

The water will / will not be polluted by chemicals or otherwise _____ (Explain nature of pollution, if any)

and it will / will not be returned to _____ (Name stream) in _____ (State 40-acre subdivision) of Sec. _____, Tp. _____, R. _____, _____ M.

17. Industrial Use. The nature of the use proposed is _____ (Describe nature and method of use)

_____

The amount for which application is made was determined by _____ (Describe basis of estimate of quantity needed)

_____

18. Recreational Use. Water will be used for _____ (Describe nature and method of use)

The amount for which application is made was determined by _____ (Describe basis of estimate of quantity needed)

_____

General

19. Are the maps as required by the Rules and Regulations filed with Application? Yes (Yes or No). If not, state specifically the time required for filing same _____

20. Does the applicant own the land at the proposed point of diversion? No (Yes or No). If not, state what steps have been taken to secure right of access thereto Under permit from Diamond Match Co.

21. What is the name of the post office most used by those living near the proposed point of diversion?

Mineral

22. What are the names and addresses of claimants of water from the source of supply below the proposed point of diversion? None

(Interested Owners) Diamond Match Co., Chico, California

_____

_____

United States Lassen Volcanic National Park

[Signature of Applicant] By L. W. Collins, Superintendent

05-21-1934: permit no. 4333

APPLICANT MUST NOT FILL IN BLANKS BELOW

PERMIT No. 4333

This is to certify that the application of which the foregoing is a true and correct copy has been considered and is hereby approved SUBJECT TO VESTED RIGHTS and the following limitations and conditions in addition to those enumerated in Chapter 586, Statutes 1913, as amended.

1. The amount of water appropriated shall be limited to the amount which can be beneficially used, and shall not exceed six and forty-five hundredths (6.45) cubic feet per second from January 1st to December 31st of each season.

2. The maximum amount herein stated may be reduced in the license if investigation so warrants.

3. Actual construction work shall begin on or before September 1st, 1934 and shall thereafter be prosecuted with reasonable diligence, and if not so commenced and prosecuted this permit may be revoked.

4. Said construction work shall be completed on or before December 1st, 1937

5. Complete application of the water to the proposed use shall be made on or before December 1st, 1938.

6. Progress reports shall be filed promptly by permittee on forms appropriate to the purpose which will be provided annually by the Division of Water Resources until license is issued.

7. All rights and privileges under this permit including method of diversion, method of use and quantity of water diverted are subject to the continuing authority of the Division of Water Resources in accordance with law and in the interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water.

Witness my hand and the seal of the Department of Public Works of the State of California this 21st *day of* May *19* 34

EDWARD HYATT
State Engineer

(SEAL)

By /s/ Harold Conkling
Deputy

99868 5-41 6M
STATE PRINTING OFFICE

COPY

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
SACRAMENTO

Division of Water Resources
401 Public Works Building

Edward Hyatt, State Engineer
Chief of Division

Application 7823

March 6, 1934

Mr. L. W. Collins, Superintendent,
Lassen Volcanic National Park
Mineral, California

Dear Sir:

The application of Lassen Volcanic National Park to appropriate the waters of Battle Creek has been found to be in form for advertisement, and there are enclosed herewith two copies of a notice which is being sent to local postmasters and to interested parties whose names are known to the Division of Water Resources.

You are directed to publish this notice in a newspaper. Publication is to be at your expense and should be made on or before March 21, 1934 and be continued once each week thereafter for three consecutive weeks which is construed to mean four insertions. In case of inability to publish the notice within the time allowed kindly advise this office immediately and new notices of a later date can be forwarded. On or before May 5, 1934 proof of publication by affidavit of the publisher, or foreman of the newspaper, with copy of the notice attached should be filed with this office.

In accordance with Chapter 5, Statutes 1911, the State Board of Control has directed that this notice be published in the News & Times Sentinel in Red Bluff, California

This notice is designed for the mutual protection of applicant and prior claimants. Although vested rights to the use of water from the source from which the appropriation is sought can not be lost, prejudiced or impaired by failure to protest against the application, prior claimants are given this notice so that they may protest if it is felt the proposed appropriation will result in injury to them.

If protests are filed you will be furnished with copies thereof and you are required to file with this office and with the protestant a brief but complete answer to each protest. There is no prescribed legal form which such answer must take but anything which you may do toward placing this office in possession of all the facts relative to the objections raised to your application will expedite action thereon.

Very truly yours

WEC:GG
Enc.

Harold Conkling
Deputy in Charge of Water Rights

Receipt is acknowledged of letter from Mr. A. W. Burney and tracing and print in support of Application 7823.

1

07 OTHER

Lassen Volcanic National Park

BATTLE CREEK HYDROELECTRIC SYSTEM [REVOKED]

Other Supporting Information

04-12-1957: memorandum to regional director from nps regarding water right license 2291

IN REPLY REFER TO:
L54-L

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
WASHINGTON 25, D. C.

April 12, 1957

RECEIVED
NPS REGION FOUR OFFICE
APR 17 57

	SURNAME	DATE
REG. DIR.		
ASST. R.D.		
OPERATIONS		
ADMIN.		
RECREATION		
✓ WATER		4/17
PLANS		

Memorandum

To: Regional Director, Region Four

From: Chief, Water Resources Section

Subject: Water Right License 2291, Docket 2, Battle Creek Hydroelectric Plant, Lassen Volcanic

With copies of this memorandum to the Superintendent and WODC, we are distributing copies of the Order revoking the subject license (original to Superintendent), and the letter of March 29 from the Chief Engineer of the State Water Rights Board.

The Order Revoking License should be filed in Docket 2 in each office.

A. van V. Dunn
Chief, Water Resources Section

Attachment

Copy to: Superintendent, with original
Chief, WODC, w/c attachment

25

01-07-1957: memorandum to regional director from nps regarding water right application no. 8714, permit no. 4840, license no. 2291

IN REPLY REFER TO:
L54-L

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
WASHINGTON 25, D. C.

RECEIVED
NPS REGION FOUR OFFICE
JAN 11 '57

	SURNAME	DATE
REG. DIR.		
ASST. R.D.		
OPERATIONS		
ADMIN.		
RECREATION		
INTERP.		
LEGAL		

January 7, 1957

Memorandum

To: Regional Director, Region Four

From: Chief, Water Resources Section

Subject: Water Right Application 8714, Permit 4840, License 2291, Docket No. 2, Lassen Volcanic National Park

With copies of this memorandum, we are distributing copies of new report of licensee of January 7, the letter of transmittal to the State Water Rights Board, and the letter of January 2 by which our report of November 27 was returned by Mr. Spencer of that Board.

The new report is based on information in the memorandum of December 10 to you from Mr. Freeland. It should be filed in designated Docket 2, and the report of November 27 should be removed and destroyed. The rest of the attachments should be placed in the letter files.

A. van V. Dunn
Chief, Water Resources Section

Attachments 3

Copy to: Superintendent, Lassen Volcanic, w/c 3 attachments
Western Office of Design and Construction, w/c 3 attachments

23

L54-L

January 7, 1957

State Water Rights Board
Public Works Building
P. O. Box 1079
Sacramento 5, California

Re: Application 8714, License 2291
Battle Creek Hydro-electric Plant
Lassen Volcanic National Park

Dear Sirs:

In accordance with our letter of December 20 and the reply of January 2 from Mr. Spencer, we submit a new report of license under the subject right for the years 1954, 1955 and 1956. This report is to replace an erroneous report of November 27 which Mr. Spencer returned at our request.

Very truly yours,

(SIGNED)

A. van V. Dunn
Chief, Water Resources Section

Enclosure

Copy to: Regional Director, Region Four, w/c enclosure, detached
Superintendent, Lassen, w/c enclosure, detached
Western Office of Design and Construction, w/c enclosure, detached

22

01-02-1957: letter to nps from state water rights board regarding report of water right application no. 8714, license no. 2291

COPY

State of California
STATE WATER RIGHTS BOARD
1401 21st Street
P.O.Box 1592
Sacramento 5, California

January 2, 1957

Application 8714

Mr. A. van V. Dunn, Chief
Water Resources Section
Department of the Interior
National Park Service
Washington 25, D. C.

Dear Mr. Dunn:

Your letter of December 20, 1956, in connection with water right Application 8714, License 2291, is acknowledged.

Pursuant to your request, we are returning your completed Report of Licensee for the years 1954, 1955, and 1956 together with three blank copies. Please return a revised report as soon as possible.

Very truly yours,

STATE WATER RIGHTS BOARD
LESLIE C. JOPSON, CHIEF ENGINEER

BY /s/ L. C. Spencer

L. C. Spencer
Supervising Hydraulic Engineer

21

12-20-1956: letter to state water rights board from chief regarding returned report of application no. 8714, license no. 2291

RECEIVED
NPS REGION FOUR OFFICE
DEC 26 '56

	SURNAME	DATE
REG. DIR.		
ASST. R.D.		
OPERATIONS		
ADMIN.		
RECREATION		
INTERP.		

December 20, 1956

State Water Rights Board
P. O. Box 1079
Sacramento, California

Re: Application 8714, License 2291
Battle Creek Hydro-electric Plant
Lassen Volcanic National Park

Dear Sir:

With a letter of November 28, we submitted my report for 1954, 1955 and 1956 on the use of water under the subject water right. It has been found that our own basic reports on several water systems of this Service was confused, that the report given for the use of the Battle Creek Hydro-electric Plant should have been used for another system and is in error as it applies to that plant.

If permissible, we should like to have the report returned with blank forms for a revised statement. If that is not possible, this will serve as a correction.

Commercial power was brought to the Mineral Headquarters Area during 1953. The Battle Creek Hydro-electric Plant was retained for a time thereafter, for standby purposes, which have not yet been fully defined. Some time during 1954 or 1955 the generator unit was sold. The water claims under Application 8714, License 2291 have now been abandoned. We can give more specific date of abandonment sometime in January.

Very truly yours,

(SIGNED)

A. van V. Dunn
Chief, Water Resources Section

Copy to: Regional Director, Region Four, File in Docket #2
Western Office of Design and Construction, File in Docket #2
Superintendent, Lassen, Please supply us with date of sale and name of purchaser

20

12-10-1956: memorandum to regional director from superintendent regarding annual reports on water rights

L54-L

COPY

December 10, 1956

Memorandum

To: Regional Director, Region Four

From: Superintendent, Lassen Volcanic

Subject: Annual Reports on Water Rights, Lassen Volcanic

In Mr. Dunn's memorandum of November 28 addressed to you on the subject of water rights in California Areas, there is considerable misinformation on that portion of the California State water rights form, copy of which was attached.

In the third paragraph of the second page of Mr. Dunn's memorandum he mentions information given him by Mr. Rowley, which is considerably out of date. The Pacific Gas and Electric Company brought commercial power into Park Headquarters on January 16, 1953. At that time the hydro-electric plant on Battle Creek was no longer used and was later sold to the highest bidder.

The PG&E came into the Manzanita Lake area on May 14, 1953, and the hydro-electric plant in that area is still in place but no longer used. It is to be loaned to the park concessioner for installation at Drakesbad.

In order to answer the various items by number on the form, the following information is furnished:

Item 1 - Correct
Item 2 - No use made
Item 3 - No water needed or used
Item 4 - Not changed
Item 5 - Abandoned.

Edward D. Freeland
Superintendent

11-19-1953: letter to state engineer from chief regarding reports of license on use of water under license nos. 961 and 2291

In reply refer to:
L54-L

Monterey BFM

November 19, 1953

Sent copy to Supt Lassen 11/23 BFM

Mr. A. D. Edmonston
State Engineer
Division of Water Resources
Public Works Building
Sacramento 5, California

File-Water Rights
LASSEN DOCKET NO. 2

Dear Mr. Edmonston:

Enclosed are the Reports of Licensee on use of water under Licenses Nos. 961 at Kings Canyon National Park and 2291 at Lassen Volcanic National Park. Also enclosed is one of the unused stamped envelopes which you submitted with the forms for these reports. Since the Federal agencies have been denied further franking privileges, we have been instructed to use postage included with incoming mail, but we will attempt to keep such postage costs at a minimum.

Sincerely yours,

(SGD.) A. VAN V. DUNN.

A. van V. Dunn
Chief, Water Resources Branch

Enclosures 3

Copy to: Regional Director, Region Four (4), with 2 copies of each report: Report on 961 should be filed at top of Part II, Kings Canyon Docket 1; Report on 2291 should be filed at top of Lassen Docket 2

19

11-07-1950: letter to division of water resources from nps regarding authorization for the use of water for domestic purposes and to operate a fox farm: application nos. 5687 and 8714, license nos. 961 and 2291

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
WASHINGTON 25, D. C.

In reply refer to:
L54 RECA

Manbey to Fm 11/13
~~Crowley~~ to 11/13
R.R.H

November 7, 1950

Sent ccs to Kings & Lassen
BFm 11/13

File in Lassen
BFm

Division of Water Resources
Public Works Building
P. O. Box 1079
Sacramento 5, California

Gentlemen:

Enclosed are the triennial Reports of Licensee under Water Right Application 5687, License 961, at Kings Canyon National Park, and Application 8714, License 2291, at Lassen Volcanic National Park.

License 961 authorizes the use of water for domestic purposes and to operate a fox farm. The fox farm is a thing of the past. Most of the water is now used at the residence of the gas station attendant and his wife, and at the comfort stations provided for the checking ranger and the public. A certain amount of water is also used in connection with the servicing of motor cars at the gas station---many radiators need refilling after the long uphill drive. The water is also available for fire fighting.

On this basis, it seems probable that the purpose of use should be reclassified as domestic and recreational, and might include industrial use. Since only 1100 gallons of water per day are involved, it is wondered if the reclassification can be made without the formality of an application, advertising, and proof.

Sincerely yours,

(SGD.) A. VAN V. DUNN

A. van V. Dunn
Chief, Water Resources Branch

Enclosures 2

Copy to: Regional Director, Region Four (2)

18

10-19-1944: memorandum to regional director from nps regarding blank form to be used in connection with a report of licensee on application no. 8714, license no. 2291

Lassen 660-05

OCT 20 1944

ROUTING		Date
Crosby	Rec	10/27
RDW		10/20
FILE	RDW	

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

LASSEN VOLCANIC NATIONAL PARK
Mineral, California

October 19, 1944.

CC & form sent to Dunn 10/20

MEMORANDUM for the Regional Director,
Region Four.

There has just been received in this office a blank form from the Department of Public Works, Division of Water Resources. This blank form is to be used in connection with a report of Licensee on application 8714, license 2291. This application and license covers the diversion of water from Battle Creek for hydro-electric power.

Hydraulic Engineer A. VanV. Dunn has been handling this type of reports for Lassen Volcanic National Park. It will be appreciated if this blank form can be routed to him for execution. When completed, the park would like to have a copy of the report.

W. N. Moore

W. N. Moore,
Acting Superintendent.

Enclosure 235.

14

09-20-1944: memorandum to regional director from nps regarding description of equipment: application no. 8714

SEP 25 1944

ROUTING



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
CHICAGO 54, ILL.

September 20, 1944.

ADDRESS ONLY
THE DIRECTOR, NATIONAL PARK SERVICE

FILE

MEMORANDUM for the Regional Director, Region Four.

The attached description of equipment in the Battle Creek hydroelectric plant at Lassen Volcanic National Park, in duplicate, has been assembled from various records, including the notes of Mr. Monteith. Since the data on Water Right Application 8714 was incomplete, it is suggested that one copy of this enclosure be attached to copies of Lassen Deed 6 in your office and the Park. If it is placed directly on top of the application it should be most easily noticed when looking for that type of information.

A. Grant Dunn
Hydraulic Engineer.

Enclosure 812593.

In duplicate.

13

01-31-1944: memorandum to regional director from nps regarding penstock for the battle creek hydro-electric plant

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
CHICAGO

January 31, 1944.

MEMORANDUM for the Regional Director, Region Four.

This refers to your memorandum of January 20, with regard to the penstock for the Battle Creek Hydro-electric plant at Lassen Volcanic National Park. You advise that the permit issued by the Diamond Match Company has lapsed, and request advice as to what action should now be taken.

As to that portion of the penstock on the Company's land, we have no doubt that in any eventuality we can claim a right-of-way under the provisions of the Act of August 30, 1890, as construed by the Solicitor's opinion of August 9, 1943. However, in view of the cooperative attitude of the Company as evidenced by its expressed willingness to continue the permit indefinitely, we approve of the action taken by your Office. There does not appear to be any further necessity to contact the Company by notice or otherwise.



/s/ Hillory A. Tolson
Acting Director.

In duplicate.

12

07-25-1941: letter to state engineer from hydraulic engineer regarding no plans to enlarge the diversion to the capacity covered by application no. 8714, permit no. 4840

COPY

July 25, 1941.

State Engineer,
Department of Public Works,
Sacramento, California.

Re: Application 8714 - Permit 4840.

Dear Sir:

Reference is made to Deputy State Engineer Conkling's letter of July 24, 1941, regarding perfection of water rights for the Park Service Battle Creek power plant.

In reply to my memorandum of June 27, 1941, Superintendent Preston advises that no plans now exist to enlarge the diversion to the capacity covered by the application. Further, that the P. G. & E. has extended its power line to the Mineral area, thus providing for increasing future Park Service needs far more efficiently than can be done with small units.

On this basis, we shall be pleased to have the pending certificate for water now used issued as soon as possible.

We wish to thank you for the offer to extend the time, even though it does not now seem wise. The past month of delay has been ample for our purposes. My question resulted from the fact that we cancelled Application 7823 and initiated 8714 in order to permit the perfection of more than 6 second feet of right, thus losing priority. Not having gained the quantity, I wished to be sure that nothing was amiss.

Yours very truly,

A. van V. Dunn,
Hydraulic Engineer.

AvVD:SH

10

07-07-1941: memorandum to regional hydraulic engineer from nps regarding proposal to enlarge present park power plant

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
LASSEN VOLCANIC NATIONAL PARK
MINERAL, CALIFORNIA

July 7, 1941

Memorandum for Regional Hydraulic Engineer A. van V. Dunn:

Reference is made to your memorandum of June 27, 1941, discussing the issuance of a license by the State Department of Water Resources for water rights on Battle Creek for the operation of the park hydroelectric plant.

It is not proposed at this time to enlarge the present park power plant. No project is on our program for any such future construction.

There is now a good diversion works including dam, intake, etc., in Battle Creek. Any enlargement of the present plant would mean the abandonment of these works, additional penstock and the purchase of a new generator, etc.

At present our own plant is providing sufficient electricity for the items now at Park Headquarters. The Pacific Gas and Electric Company operate a power line adjacent to our Headquarters and it is thought that any additional electricity that we might need could be purchased from them on a more economical basis than enlarging our own plant.

The 6 plus second feet of water that is now being used and for which a license is in the process of being issued by the Water Resources Office should be sufficient for our purpose.

It is recommended by this office that the license be issued on the present use basis and no effort be made for any filing for a larger use of water for the Battle Creek Hydroelectric plant.

/s/ W. N. Moore

W. N. Moore,
Acting Superintendent.

cc - Reg. Atty. Taylor
Reg. Engr. Waterhouse

8

06-27-1941: memorandum to superintendent from nps regarding alternate suggestions to perfect water right no. 4840 for the hydro-electric plant

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
REGION FOUR
SAN FRANCISCO, CALIFORNIA

June 27, 1941.

MEMORANDUM for Superintendent Preston,
Lassen Volcanic National Park:

Reference is made to your memorandum of June 25 regarding the perfection of Water Right Permit No. 4840 for the Battle Creek hydro-electric plant, in which you state:

"Mr. Wheeler of the Water Resources Office in Sacramento was in Park Headquarters approximately a month ago and he recorded data regarding the present status of the Battle Creek Hydroelectric Intake and Penstock. He stated that a license could not be granted the Headquarters Area for 8.5 second feet as originally planned. Measurements indicate that 6 second feet plus are being used. In the event that the formerly proposed upstream extension is made to the penstock, the flow of water into the plant will be increased to such an extent that a permit for a larger quantity of water will be justified and can be granted."

If slightly more than 6 second feet of water is all that is being diverted at the present time, certainly that is all for which we can expect to obtain a license. From your information, however, two alternates are suggested:

1. That you proposeto increase the diversion works in the relatively near future to provide the 8.5 second foot use.

2. That you have abandoned that idea and intend to stick to the 6 second feet of water as the total development.

If you propose to make the enlargement in the near future, we should really have an extension of time in which to perfect the water right. We are not entirely sure whether it is too late now to do so or not, and I do not understand fully from your paragraph just quoted whether Mr. Wheeler proposed to issue a license for 6 second feet, and grant an extension of time for further perfection, or not.

7

If we have to make a further application for the approximately 2 second feet of water now being diverted and used, it will mean a junior priority. I doubt if that is a very serious proposition for a non-consumptive power use, but it might pay to attempt to preserve the original priority for the full flow of the proposed development if it is to be made.

I am sending a copy of this memorandum to the State Engineer, and hope that he will be able to explain to me just what procedure Mr. Wheeler intended to cover the unused portion of the original claim. At the same time from you I should like to know just what plans you have for increasing the diversion and whether the present installed generator capacity is adequate and intended to use the 8.5 second feet or the 6/ second feet now being diverted, and also just what priority you have assigned to a project forincreasing the diversion if one is on your present development plan.

/s/ A. van V. Dunn

A. van V. Dunn,
Hydraulic Engineer.

cc: State Engineer of California.
Regional Engineer, Reg. IV.

08 MAPMISC

Lassen Volcanic National Park

BATTLE CREEK HYDROELECTRIC SYSTEM [REVOKED]

Maps and Miscellaneous Information

04-00-4999-map off battle creek hydro electric project showing proposed location of penstock powerhouse and transmission line

PROPOSED POWER HOUSE SITE

TO RED BLUFF

RED BLUFF - SUSANVILLE STATE HIGHWAY

PROPOSED TRANSMISSION LINE 2300 VOLTS

This pole to be stained a brown color. All other poles satisfactory as they are well screened.

VACANT
S½ SE¼ SEC. 22

VACANT
SW¼ SW¼ SEC 23

VACANT
NW¼ NW¼ SEC 26

DAM SITE

PROPOSED 18" PENSTOCK

Battle Creek

DIAMOND MATCH COMPANY PROPERTY

N½ NE¼ SEC 27

IDENTICAL POINT

Tie to Sec Corner from 43+497 on Transmission Line

22 23 26 27

T.29N. R.3E.

TO HEADQUARTERS, MINERAL & SUSANVILLE

SW¼ SW¼ SEC 23

VACANT

Line between Sec 23 & 26

NW¼ NW¼ SEC. 26

NE¼ NW¼ SEC. 26

WOODSON AND BERESFORD PROPERTY

NW¼ NE¼ SEC 26

SW¼ NE¼ SEC 26

PROPOSED TRANSMISSION LINE

RED BLUFF - SUSANVILLE STATE HIGHWAY

← TO RED BLUFF

TO HEADQUARTERS, MINERAL & SUSANVILLE

T29N. R3E. 23 24 25 26

LASSEN VOLCANIC NATIONAL PARK HEADQUARTERS AREA

0 1 2 3
0 1 2 3 4 5 6 7 8

NP L-4999	Drawn By	Traced By	Checked By	Field Work By	Revised
	G.W.R. Feb 1934	A.D.G. Apr 1934		G.W.R.	

DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

LASSEN VOLCANIC NATIONAL PARK

MAP OF
BATTLE CREEK HYDRO-ELECTRIC PROJECT
SHOWING PROPOSED LOCATION OF
PENSTOCK, POWER HOUSE AND TRANSMISSION LINE

OFFICE OF THE CHIEF ENGINEER
SAN FRANCISCO, CALIF.
APR 1934
SCALE 1"=100'

L-4339

Docket Information

Number of Documents in Docket : 79

Documents Dated from : 01-25-1934 to 01-07-2025

Docket Compiled: 1/8/2025