

ATTACHMENT B – NOTICE OF INTENT FORM

**NOTICE OF INTENT (NOI)
 WATER QUALITY ORDER NO. 2006-0008-DWQ
 STATEWIDE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 PERMIT FOR DISCHARGES FROM UTILITY VAULTS AND UNDERGROUND STRUCTURES TO
 SURFACE WATERS OF THE UNITED STATES
 GENERAL PERMIT NO. CAG990002**

I. NOTICE OF INTENT STATUS (See Instructions)

MARK ONLY ONE ITEM	1. <input checked="" type="checkbox"/> New Discharger	2. <input type="checkbox"/> Change of Information – WDID #
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II. OWNER/OPERATOR (If additional owners/operators are involved, provide the information in a supplemental page.)

A. Name Northern California Power Agency		Owner/Operator Type (Check One)		
		1. <input type="checkbox"/> City	2. <input type="checkbox"/> County	3. <input type="checkbox"/> State
		4. <input checked="" type="checkbox"/> Gov. Combo	5. <input type="checkbox"/> Private	
B. Mailing Address Post Office Box 2280				
C. City Murphys	D. County Calaveras	E. State CA	F. Zip Code 95247-2280	
G. Contact Person Barry Sullivan	H. Title Operations Supervisor		I. Phone 209-728-1387	

ADDITIONAL OWNERS _____

III. BILLING ADDRESS (Enter information only if different from above)

Send to: <input type="checkbox"/> Owner/Operator <input type="checkbox"/> Other	A. Name	B. Title		
	C. Mailing Address			
D. City	E. County	F. State	G. Zip Code	

IV. RECEIVING WATER INFORMATION

A. Receiving water(s): Highland Creek & Stanislaus River	B. Describe the types of receiving waters affected: Streams
C. Regional Water Quality Control Board(s) where discharge sites are located List all regions where discharge of wastewater is proposed, i.e. Region(s) 1, 2, 3, 4, 5, 6, 7, 8, and/or 9: 5	

V. LAND DISPOSAL/RECLAMATION

The State Water Resources Control Board's water rights authority encourages the disposal of wastewater on land or re-use of wastewater where practical. You must evaluate and rule out this alternative prior to any discharge to surface water under this Order.

Is land disposal/reclamation feasible? Yes No

If Yes, you should contact the Regional Water Board. This Order does not apply if there is no discharge to surface waters. If No, explain:

VI. VERIFICATION

Have you contacted the appropriate Regional Water Board or verified in the appropriate Basin Plan that the proposed discharge will not violate prohibitions or orders of that Regional Water Board? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

VII. TYPE (Check All That Apply)

Electric Natural Gas Telephone Other:

VIII. POLLUTION PREVENTION PRACTICES PLAN INFORMATION

A. Company Name Northern California Power Agency		B. Contact Person Barry Sullivan		
C. Street Address Where PLAN is Located 477 Bret Harte Drive		D. Title of Contact Person Operations Supervisor		
E. City Murphys	F. County Calaveras	G. State CA	H. Zip Code 95247	I. Phone 209-728-1387

IX. DESCRIPTION OF DISCHARGE

Describe the discharge(s) proposed. List any potential pollutants in the discharge. Attach additional sheets if needed.

Discharges from the sumps at the Spicer Meadow and Collierville Powerhouses. See attachment for additional detail.

X. VICINITY MAP AND FEE

A. Have you included vicinity map(s) with this submittal? Yes No
 Separate vicinity maps must be submitted for each Region where a proposed discharge will occur.

B. Have you included payment of the filing fee (for first-time enrollees only) with this submittal? Yes No N/A

C. Have you included your PLAN? Yes No

XI. CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of the permit, including the criteria for eligibility and the development and implementation of Pollution Prevention Practices, if required, will be complied with."

A. Printed Name: Ed Warner	
B. Signature: 	C. Date: 2/11/08
D. Title: Manager, Hydroelectric Operations	

PLEASE SUBMIT THE NOI, FIRST ANNUAL FEE, PLAN AND MAP TO THE FOLLOWING ADDRESS:

UTILITIES NOI
 NPDES UNIT
 DIVISION OF WATER QUALITY
 STATE WATER RESOURCES CONTROL BOARD
 P.O. BOX 100
 SACRAMENTO, CA 95812-0100

STATE USE ONLY

WDID:	Regional Board Office	Date NOI Received:	Date NOI Processed:
		Fee Amount Received: \$	Check #:

Spicer Meadow Powerhouse Sump

The Spicer Meadow Powerhouse includes three turbines with a total generating capacity of 5.5 megawatts (MW). It is on the outlet works of Spicer Meadow Dam, a 265-foot high rock-filled dam with an upstream concrete face, located on Highland Creek in Tuolumne County (Figure 1). It is owned by the Calaveras County Water District and operated by the Northern California Power Agency.

The Spicer Meadow Powerhouse contains a sump which collects drainage from within the powerhouse. The powerhouse sump, located under the south side of the powerhouse, is an 8-foot wide, 8-foot long, and 7-foot deep concrete pit (3,350 gallons capacity) which has a baffle that divides the sump into two chambers. The 42-inch high baffle begins 6 inches from the bottom of the sump and extends to 36 inches from the top.

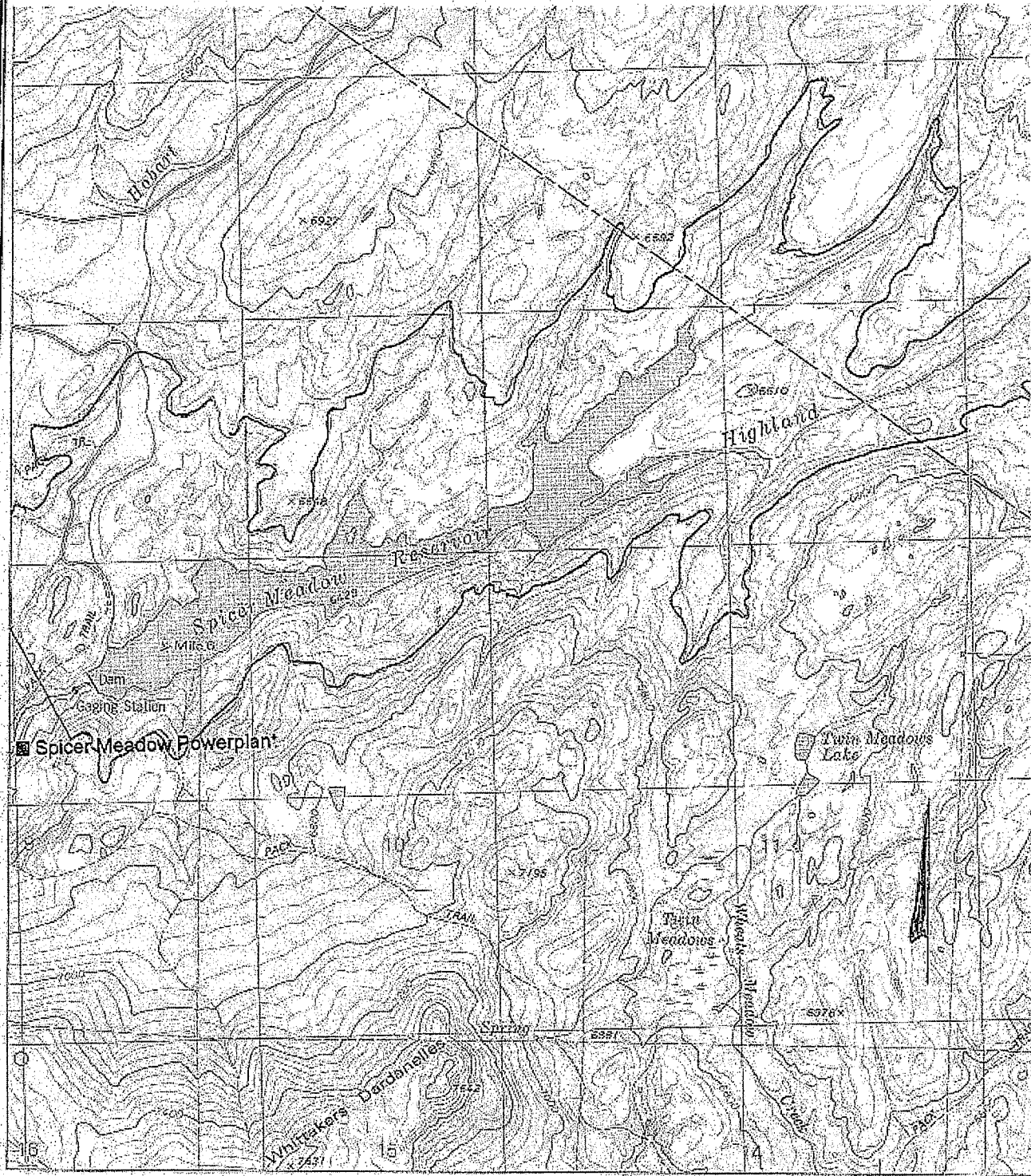
All powerhouse drainage enters the eastern most portion of the sump. Fluids from the western most portion of the sump and pumped by two electrical pumps which discharge about 500 gallons per minute into the powerhouse afterbay (tributary to Highland Creek). The first pump is automatically activated when the water elevation in the sump reaches 6,359 feet (\approx 12 inches from the top of the baffle, 48 inches of freeboard). The second pump is activated when the water elevation in the sump reaches 6,359.5 feet (\approx 6 inches from the top of the baffle, 42 inches of freeboard). The pumps stop automatically when the water level decreases to a depth of about 24 inches.

The sump is inspected at least once per month. Waste oil is removed from the sump when hand measurements indicate that there is approximately an 1-foot build-up of oily substances in the eastern most portion of the sump. Waste oils are pumped directly from the sump into a properly licensed service truck which recycles and/or disposes of the waste at approved locations.

There are several facilities at the Spicer Meadow Powerhouse which drain to the powerhouse sump. In addition, most of these facilities contain various volumes of hazardous materials and/or potentially environmentally damaging substances which have the potential to drain to the sump in case of a spill. A listing of these facilities and their associated hazardous materials and/or environmentally damaging substances is provided below:

Location	Material	Volume
DC System	Acid	40 gallons
Emergency Diesel System	Diesel Fuel	775 gallons
	Lubricating Oil	4.5 gallons
	Coolant	10 gallons
	Acid	2 gallons
Howell-Bunger Valve Governor	Hydraulic Fluid	40 gallons
Generator Bearing Oil Systems	Bearing Oil	122 gallons
Governor Cooling Water	Heated Effluent	5 gpm
Turbine Sealing System	No Pollutant	
Butterfly Valve and Wicket Gate Governors	Hydraulic Fluid	157 gallons

Station Service Water	1% Chlorine	15 gallons
Transformer	Transformer Oil	960 gallons
Fire Control System	Ammonium Phosphate	5 fire extinguishers



Scale: 1:24,000 (1" = 2,000')

Source: USGS 7.5' Topographic Map
Spicer Meadow Reservoir, California



Figure 1
Spicer Meadow Powerplant Location

Application for Permit to Discharge Wastewater
Northern California Power Agency

Collierville Powerhouse Sump

The Collierville Powerhouse includes two turbines with a total generating capacity of 253 MW. It is located on the Stanislaus River just upstream of New Melones Reservoir near Camp Nine in Calaveras County (Figure 1). It is owned by the Calaveras County Water District and operated by the Northern California Power Agency.

The powerhouse sump collects drainage from within the powerhouse and ancillary facilities. The two chambered powerhouse sump is an 11-foot wide, 13-foot long, and 36-foot deep concrete pit. It has an 11.5-foot high central baffle which runs from 6 inches from the bottom of the sump to El. 1081, 24 feet from the top of the chamber.

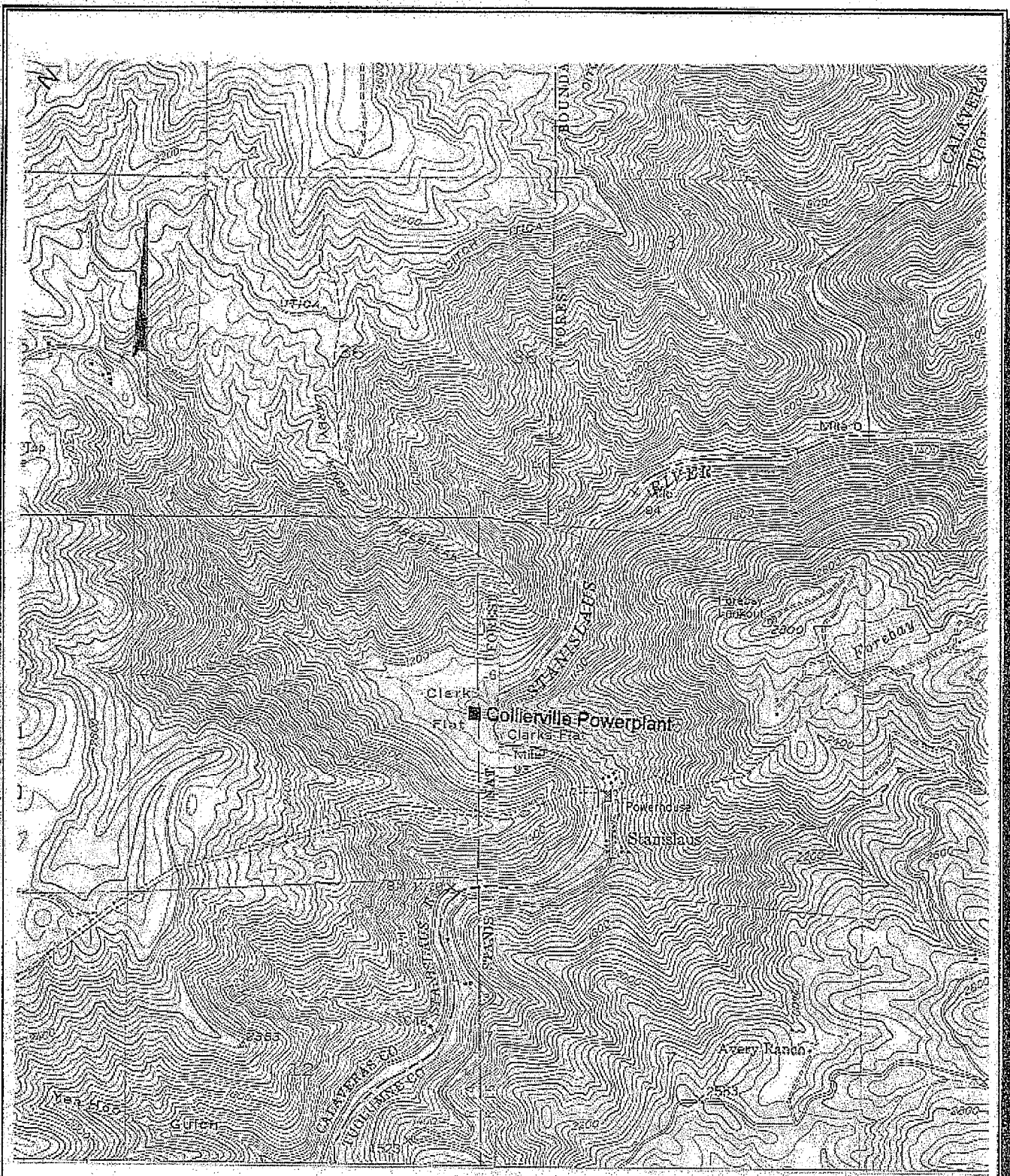
All drainage flows into the eastern most chamber of the powerhouse sump. Water from the western most chamber is pumped by 2 electric pumps, with a combined capacity of 520 gallons per minute, which discharge water into the powerhouse tailrace. The first pump is automatically started when the water elevation in the sump reaches 1,079 feet and the second pump is automatically started when the water elevation in the sump reaches 1,080 feet (1-foot from the top of the baffle and 25 feet from the top of the sump). Both pumps stop when the water level decreases from El. 1,073 feet (2 feet from the bottom of the sump).

The sump is inspected at least once per month. The oil separation chamber (i.e., eastern most chamber) is cleaned out when hand measurements indicate that there is approximately 1-foot of oily substances in the chamber. Waste oils are pumped directly from the sump into a properly licensed service truck which recycles and/or disposes of the waste at approved locations.

There are several facilities at the Collierville Powerhouse which drain to the powerhouse sump. In addition, most of these facilities contain various volumes of hazardous materials and/or potentially environmentally damaging substances which have the potential to drain to the sump in case of a spill. A list of these facilities and their associated hazardous materials and/or environmentally damaging substances is provided below:

Location	Material	Volume
DC System	Acid	334 gallons
Emergency Diesel System	Diesel Fuel	500 gallons
	Lubricating Oil	3 gallons
	Coolant	8 gallons
	Acid	2 gallons
Generator Upper Bearing Oil Systems	Bearing Oil	500 gallons
Generator Lower Bearing Oil Systems	Bearing Oil	240 gallons
Cooling Water System	Heated Effluent and Backflush	Variable
Generator/Rotor Jack Portable Hydraulic System	Hydraulic Fluid	10 gallons
Turbine/Valve Hydraulic System	Hydraulic Fluid	1,800 gallons
Turbine Guide Bearing Oil System	Lubricating Oil	476 gallons
Station Service Water System	1% Chlorine	5 gallons
Gantry Crane	Gear Lube	2 gallons
Tailwater Depression System	Lubricating Oil	12 gallons
Air Conditioning System	Small amount of Freon	--
Powerhouse Transformer	Transformer Oil	18,600 gallons
Storage/Work Areas		Variable
Substation Transformer	Transformer Oil	310 gallons

Fire Control System	Ammonium Phosphate	18 Fire Extinguishers
	Carbon Dioxide	32 Cubic Feet
Collierville Switchyard	Sulfur Hexafluoride	Gas
	Anderol	1.1 gallons
Powerhouse Sump	Waste Oil	Variable



Scale: 1:24,000 (1" = 2,000')

Source: USGS 7.5' Topographic Maps
Stanislaus, California and Murphys, California



Figure 1
Collierville Powerplant Location

Application for Permit to Discharge Wastewater
Northern California Power Agency