



UTAH WATER QUALITY 401 CERTIFICATION

Utah Division of Water Quality

INSTRUCTIONS:

1. Read the application guidance sheet before filling out this form.
2. Uncompleted section blocks of this form will be considered an incomplete application.

**Mail To: Division of Water Quality, Utah Department of Environmental Quality
PO Box 144870 Salt Lake City, UT 84114-4870**

A-C. Applicant Information.			
Name of Applicant: Dan Clark		Name of Company: DFCM	
Position: Utah State Park Construction Manager	Email: danclark@utah.gov	Phone: 801-244-5892	
Mailing Address: 1594 W. North Temple Suite 116			
City: Salt Lake City	State: Utah	ZIP Code: 84114	
Signature of Applicant:			
Date:			
A corporate application must be signed by an officer of the corporation. Any signature required for application for Certification shall be provided as described in 40 CFR section 122.22(a).			
D. Contact Information: Person who can be contacted for additional information.			
Name of Contact: Merrial Johansen		Name of Company: J& T Engineering	
Position: Project Engineer	Email: jto@etv.net	Phone: 435-381-2523	
Mailing Address: P.O. Box 487			
City: Castle Dale	State: Utah	ZIP Code: 84513	
E. (1) Project/Tract Location.			
County: Sevier		Nearest City or Town: Levan	
U.S.G.S. Quadrangle map name (Topographic map): Mills, Utah		Project street address (if applicable): 12225 South Yuba Dam Road	
Quarter: SW 1/4	Section: 36	Township: 16 South	Range: 2 West SLB&M
Project name or title: Yuba Breakwater		Names of water bodies within project boundaries: Yuba Reservoir	
Other location description or driving directions: Exit east on Interstate 15 at exit #202 then south approximately 4 miles on Old Yuba Highway to the Oasis Campground exit.			
E. (2) List of name and addresses of landowners adjacent to the project.			
Name: None		Name:	
Address:		Address:	
City	State	City	State
	Zip		Zip
Name:		Name:	
Address:		Address:	
City	State	City	State
	Zip		Zip

Name: Address: City State Zip	Name: Address: City State Zip
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F. Drawing/Plan Requirements (applicant must provide the following).

- A. North arrow, scale, property boundaries.
- B. Plan/aerial/overhead view of the project site showing the existing condition and proposed construction, discharge locations, adjacent landowners, associated water bodies, including wetland delineations.
- C. Cross section views of areas of fill or alteration of stream and other water(s).
- D. Elevation plan of all existing and proposed structures.

G. (1) USACE 404 Federal Permit

- A. Does this project require the issuance of USACE Section 404 Permit? * Yes No If no, you do not need to answer part B.
- B. Have you applied for an USACE Section 404 Permit? * Yes No If yes, please supply the USACE ID Number, the project manager, and a copy of any correspondence with the USACE. If no, contact the USACE regarding the possible need for a permit application.
- C. Have you applied for, received, or been denied a permit from the Utah Department of Natural Resources for this project? * Yes No Please give the permit name, permit number, and date of application, issuance or denial.
- D. Have you applied for, received, or been denied any other federal, state, or local permits, variances, licenses, or certifications for this project? * Yes No Please give the permit name, agency from which it was obtained, permit number, and date of issuance or denial.

G. (2) Associated existing or pending federal, state, local permits, certification including land use permits, with corresponding file number.

AGENCY	PERMIT NAME	PERMIT NUMBER	STATUS
Consolidated Sevier Bridge Reservoir Co.	Permission		ISSUED
US Army Corps	404 Permit	Application #2012-01273-ud	PENDING
Bureau of Land Management	Free Use Permit	UTU 88979	ISSUED
Utah State Parks & Recreation	Permission		ISSUED
Utah Department of Wildlife Resources	Permission		ISSUED

H.(1) For the proposed discharge(s) indicate the name of the water(s) and the precise discharge (fill or excavation) location(s).

1. Surface Water Name Sevier Bridge Reservoir	1. Discharge Lat./Long. N39°22'31.38" W112°01'43.08"
2. Surface Water Name	2. Discharge Lat./Long.
2. Surface Water Name	3. Discharge Lat./Long.

H. (2) Beneficial use classification of potentially affected surface water(s).

1. **Category 1**

2. **Class 2B, 3C, 3D & 4**

3.

4.

H. (3) For each surface water being impacted list any known causes of water impairment per Sections 303(d) and 314 of the federal Clean Water Act, 33 U.S.C. Sections 1251 through 1387 and the names of any associated local watershed management plans including TMDL studies.

1. **N/A**

2.

3.

4.

I. A description of the overall project purpose including the construction and operation of the facilities which may result in discharge. Characterized the physical, chemical, biological, thermal and other pertinent properties of the discharge. (use additional sheet(s) if required.)

Refer to Attachment A

J. A description on how the discharge(s) are compliant with water quality standards, including anti-degradation requirements, beneficial use designations, narrative and numeric standards. (use additional sheet(s) if required.)

Sevier Bridge Reservoir/ Sevier River Flows In & Out

For additional information refer to Attachment A

K. A description of the methods and means being used or proposed to monitor the quality and characteristics of the discharge(s) and the operation of the equipment of the equipment or facilities employed in control of the proposed discharge(s). Provide a map showing the location(s) of the monitoring point(s).

N/A

L. Supporting documentation submitted to federal agencies (e.g., maps, plans, specification, project dimensions, copies of associated federal applications, biological and engineering studies, reference information in FERC filings, Environmental Assessment or Environmental Impact Statements, Alternative Analyses), as applicable.

Refer to drawings, attachment A and required permits and assessments.

M. An exhibit that identifies and describes other requirements of State Law applicable to the activity that have any relationship to water quality, including requirements under:
Section 19-5-114, spills or discharges of oil or other substance;
Section R317-2-12, Category 1 and Category 2 waters;
Section R317-2-3 Antidegradation Policy (ADR);
Utah Pollutant Discharge Elimination System (UPDES) Storm Water General Permit for Construction Activities Permit No. UTR300000; and
UPDES General Permit for Construction Dewatering Permit No. UTG070000.

Refer to Attachment A

N. Estimated dates on which the activity will begin and end and the date or dates on which the discharge(s) will take place.

Dates dependent on low water levels at reservoir- Typically winter months

O. Additional information regarding unique features of the project.

No out of the ordinary process will be involved.

P. Any additional information as required by the director.

ATTACHMENT A

Avoidance

Floating Breakwater – Floating breakwater apparatuses are available and have advantages including shorter construction time period, adjustable to water level changes and can be more aesthetically pleasing than a rock breakwater. The disadvantages with a floating breakwater apparatus in this situation are the higher costs involved with personnel being available to maintain and move them when needed, ice formation problems, the large area required to store them and lower design life.

Painted Rock Boat Ramp – One alternative is to utilize the Painted Rock Boat Ramp (located across the reservoir) during times that the Oasis Boat Ramp is experiencing unsatisfactory boat launch/recovery conditions. The main issue with this alternative is the recovery of launched boats during unsafe wave conditions- a launched boat at the Oasis Boat Ramp will not be able to utilize the alternative of using the Painted Rock Boat Ramp due to the users vehicle and trailer being parked at the Oasis Boat Ramp. The Oasis Boat Ramp sees much more use as the improvements (full service campground, rv dump, fish cleaning station, food vendor, etc.) at this area are an attraction to boaters and these boaters will be either camped or parked at this location. The time duration to transport boat trailer and equipment to the Painted Rock Boat Ramp is approximately ½ hour over dusty, dirt roads and over 1 ½ hours using paved roads. Access to the Oasis Boat Ramp consists of paved roads.

Minimization

The rock breakwater had an original design of a 1.71 acre foot print, through discussions with State Parks and Corp of Engineers the foot print was reduced to 0.97 acres to accommodate minimization practices. Due to safety issues involving pedestrian use of the breakwater, a twelve foot wide top is necessary to provide adequate access with a Utility Terrain Vehicle in the event transportation is needed to assist in a medical emergency. Also to decrease the size of the breakwater further would compromise the effectiveness and structural strength of the breakwater.

The installation of the rock breakwater barrier will take place at low reservoir elevation, reducing the impact to aquatic life while being constructed.

Type II turbidity curtains will be utilized around the project site to contain sediment disturbance in the reservoir throughout the duration of the project.

Silt fence will also be utilized to contain any disturbed soil from escaping the project site on land.

Equipment used to construct the breakwater will be maintained and refueled outside the project limits where no possibility of contamination is present and at areas of low impact to the environment.

Compensation

The Utah Division of Wildlife Resources and the Yuba Fish Group (this group consists of representatives from Utah State Parks, Rocky Mountain Anglers Association and other private entities) were involved with the design of the project. These organizations consider construction of the breakwater itself as a highly acceptable form of creating desirable aquatic habitat, they also requested

Request shorten P.N. period.

that the project incorporate 3" to 8" rock in 10ft wide and 30-40ft long strips (slope distance) down the breakwater surface to provide habitat for young fish, also rock formations around the breakwater will be included in the project to create additional aquatic habitat. Use of any woody habitat would not be feasible as the reservoir has a 30 ft. to 50 ft. possible elevation change and would promote premature deterioration of the woody structure.

The top of the breakwater will be capped with untreated base course to provide a walking surface for users of the reservoir.

No negative impact will be created as a result of the breakwater to aquatic or human activity. All impact will be beneficial to aquatic resources and human environment.