



**Eagle Creek Hydro Power, LLC**  
c/o Eagle Creek Renewable Energy, LLC  
7315 Wisconsin Avenue, Suite 1100W  
Bethesda, Maryland 20814  
240.482.2700

**E-File Submission**

December 22, 2023

Mr. John Spain, P.E. Regional Engineer  
Federal Energy Regulatory Commission  
New York Regional Office  
19 W. 34<sup>th</sup> Street, Suite 400  
New York, NY 10001-3006

**Re: Mongaup River System  
Annual EAP Status Report**

- Swinging Bridge FERC No. P-10482
- Mongaup Falls FERC No. P-10481
- Rio Reservoir FERC No. P-9690

Dear Mr. Spain:

Eagle Creek Hydro Power, LLC (Licensee) hereby submits the annual Emergency Action Plan Status Report for the Mongaup River System dams. This report outlines the completed annual requirements for maintaining the Project's EAP. The annual EAP requirements and associated actions by the Licensee are as follows:

**Annual EAP Review Performed:** September 23, 2023

**Annual Update sent to Plan holders:** December 22, 2023

**Last Full Reprint Sent:** December 22, 2023

The Licensee distributed the last full EAP Reprint to plan holders on December 22, 2023. The next full reprint of the EAP is due to be distributed in 2028.

**Annual EAP Orientation Seminar:** October 3, 2023

The annual seminar took place virtually on Tuesday, October 3, 2023 using Microsoft Teams. The review included the downstream impacts of a dam failure, the roles and responsibilities of the EAP, the notification flowcharts for the dams, and the surveillance and monitoring systems onsite. Numerous changes to the roles and responsibilities and the notification procedures took place during the review and discussions were had about the mass notification systems of the downstream states and counties. The Licensee also reviewed the procedure for the upcoming phone drill and CodeRED test to ensure there were no questions about how that would be conducted.

**Annual EAP Operator Training:** October 3, 2023

The Annual EAP Operator Training occurred on October 3, 2023. Operating personnel reviewed the emergency conditions that would activate the EAP, discussed potential scenarios, reviewed the potential impacts of dam failure and reviewed the notification procedures including activation of the CodeRED mass notification system. Each operator sends a test CodeRED message to the Licensee's EAP

Coordinator annually to ensure familiarity with this system. Every operator sent this test CodeRED message in 2023.

**Annual EAP Phone Drill:**

November 2, 2023

The Annual EAP Phone Drill to test and verify the emergency notification procedures occurred on November 2, 2023. The results of the phone drill were used to update and verify the EAP notification procedures. Any changes that were discovered during the phone drill were incorporated into the 2023 EAP reprint.

Prior to the initiation of the phone drill, hydro plant staff initiated the annual test of the CodeRED system by sending a test CodeRED message to all stakeholders listed on the red Potential/Imminent Failure Notification Flowchart. Hydro Plant personnel then verified receipt of the test CodeRED message while conducting the phone drill calls. Any changes to the CodeRED system were then made so that the system effectively notifies all flowchart contacts.

**EAP Exercises:**

October 4, 2022

The Licensee conducted a virtual functional exercise for the Mongaup Project on October 4, 2022. The exercise was well attended by stakeholders of the EAP. For more information about this exercise, please reference the evaluation report submitted to the Commission on November 28, 2022. The next functional exercise is due to be conducted in 2027.

**Emergency Equipment Test:**

November 2, 2023

The Swinging Bridge spillway generator, the Toronto generator, the sensa phones, satellite phones and handheld radios were all found to be in working order on November 2, 2023.

**Sudden Failure Assessment:**

October 28, 2021

The Licensee conducted a review of the Sudden Failure Assessment on October 28, 2021. No changes have been made onsite since this assessment was conducted and no changes have been identified in the downstream residents to warrant revisions to this assessment. The results of the 2021 review are provided on the below:

Toronto Dam			
Step	Time Parameter	Response Time Minutes (Manned Site)	Rationale
A	Arrival Time from EAP	180	Schneider Residence
B	Detection Time	1	SensaPhone System
C	Verification Time	15-45	In-Person Observation
D	Notification Time	30	Conservative Estimate based on Potential Reception Barriers, includes CodeRED and satellite phone utilization
E	Licensee Response (B+C+D)	46-76	
F	EMA Response Time	N/A	Sullivan County does not intend on contacting this resident as the Licensee already notifies this resident
G	Total Response Time (E+F)	46-76	
H	Excess Response Time (A-G)	+134/+104	

Cliff Lake Dam			
Step	Time Parameter	Response Time Minutes (Manned Site)	Rationale
A	Arrival Time from EAP	169	Schneider Residence
B	Detection Time	1	SensaPhone System
C	Verification Time	15-45	In-Person Observation
D	Notification Time	30	Conservative Estimate based on Potential Reception Barriers, includes CodeRED and satellite phone utilization
E	Licensee Response (B+C+D)	46-76	
F	EMA Response Time	N/A	Sullivan County does not intend on contacting this resident as the Licensee already notifies this resident
G	Total Response Time (E+F)	46-76	
H	Excess Response Time (A-G)	+123/+93	

Swinging Bridge Dam			
Step	Time Parameter	Response Time Minutes (Manned Site)	Rationale
A	Arrival Time from EAP	101	Schneider Residence
B	Detection Time	1	Alstrom Equipment
C	Verification Time	15-45	In-Person Observation
D	Notification Time	30	Conservative Estimate based on Potential Reception Barriers, includes CodeRED and satellite phone utilization
E	Licensee Response (B+C+D)	46-76	
F	EMA Response Time	N/A	Sullivan County does not intend on contacting this resident as the Licensee already notifies this resident
G	Total Response Time (E+F)	46-76	
H	Excess Response Time (A-G)	+ 55/+25	

Mongaup Falls Dam			
Step	Time Parameter	Response Time Minutes (Manned Site)	Rationale
A	Arrival Time from EAP	116	Schneider Residence
B	Detection Time	1	SensaPhone System
C	Verification Time	15-45	In-Person Observation
D	Notification Time	30	Conservative Estimate based on Potential Reception Barriers, includes CodeRED and satellite phone utilization
E	Licensee Response (B+C+D)	46-76	
F	EMA Response Time	N/A	Sullivan County does not intend on contacting this resident as the Licensee already notifies this resident
G	Total Response Time (E+F)	46-76	
H	Excess Response Time (A-G)	+70/+40	

Rio Dam			
Step	Time Parameter	Response Time Minutes (Manned Site)	Rationale
A	Arrival Time from EAP	45	Schneider Residence
B	Detection Time	1	SensaPhone/Sat4D System
C	Verification Time	15-45	In-Person Observation
D	Notification Time	1	Conservative estimate based on notification provided by the onsite Sat4D detection system
E	Licensee Response (B+C+D)	17-47	
F	EMA Response Time	N/A	Sullivan County does not intend on contacting this resident as the Licensee already notifies this resident
G	Total Response Time (E+F)	46-76	
H	Excess Response Time (A-G)	+28/-2	

In an effort to mitigate the potential response time deficiency at the RIO dam, the Licensee has set up a Sat4D system to detect a sudden rise in tailwater below the dam. Upon detection of high water, the Sat4D is programed to send simultaneous notifications to onsite hydro plant personnel as well as the first downstream resident. This Sat4D notification will prompt an immediate evacuation by the resident and prompt a call with operations staff to confirm the incident. The Sat4D notification was tested with the downstream resident during the annual phone drill. The notification was found to be effective in providing a swift warning and prompting immediate evacuation. This system will be tested annually.

In addition, the Licensee has incorporated the use of satellite phones for operating personnel into the EAP response process. This will help improve communication in areas onsite that have poor cellphone reception. Hydro plant personnel have a satellite phone in each Project vehicle along with a list of contacts with phone numbers to be used in the event of an emergency.

**Public Education:**

The Licensee conducted public education with the first significantly impacted residence downstream from the RIO Project. This resident was included in the following EAP training activities:

- EAP Phone Drill
- CodeRED Test/Training
- Sat4D Test/Training

Through this testing, it has been verified that this resident is well aware of the emergency conditions and the potential flood hazard to his home. Additionally, he has demonstrated a complete understanding of the newly implemented forms of communication that will notify him of an emergency condition at the dam.

**Annual Review of Inundation Area:**

October 27, 2023

The annual review of the inundation area occurred on October 27, 2023. No changes were identified in during this review that would warrant revisions of the EAP, the Sudden Failure Assessment or the hazard classification of the Project.

**Coordination Checklist:**

Attached

If you have any questions about this report, please contact Chelsey Hanna by telephone at (920) 216-7608 or by e-mail at [Chelsey.hanna@eaglecreekre.com](mailto:Chelsey.hanna@eaglecreekre.com).

Sincerely,  
Eagle Creek Hydro Power, LLC



Dusty Myers,  
VP Engineering & Project Management  
Chief Dam Safety Engineer

**Attachment:** Coordination Checklist – Mongaup River System

**CC:** Chelsey Hanna, Regulatory Coordinator  
Ryan Schoolmeesters, Associate Chief Dam Safety Engineer  
Reta White, Dam Safety Engineer  
Tom O'Connor, Division Manager  
Keith Wranovsky, Regional Manager

## 2022 Coordination Checklist for EAP Status Reports

Project: Swinging Bridge, Mongaup Falls & Rio

FERC # P-10482-NY, P-10481-NY & P-9690-NY

Organization	Name	Title	Received 1 Update	Participated in Annual Orientation	Participated in Annual Drill & Call Down	Operator Training
Eagle Creek Hydro Power, LLC	Tom O'Connor	Division Manager	11.17.2022	9.28.2022	11.4.2022	11.1.2022
Eagle Creek Hydro Power, LLC	Michael Weeden	Regional Manager	11.17.2022	9.28.2022	11.4.2022	11.1.2022
Eagle Creek Hydro Power, LLC	Antonio Butler	Operator	11.17.2022			
Eagle Creek Hydro Power, LLC	Hanrii Padu	Operator	11.17.2022	9.28.2022	11.4.2022	11.1.2022
Eagle Creek Hydro Power, LLC	Brett Bagley	Operator	11.17.2022	9.28.2022		11.1.2022
Eagle Creek Hydro Power, LLC	Andrew McCabe	Maintenance	11.17.2022			11.1.2022
Eagle Creek Hydro Power, LLC	Angel Serrano	Operator	11.17.2022	9.28.2022		11.1.2022
Eagle Creek Hydro Power, LLC	Joma Burton	Operator	11.17.2022	9.28.2022	11.4.2022	11.1.2022
Eagle Creek Hydro Power, LLC	Mark Culver	Maintenance Supervisor	11.17.2022	9.28.2022	11.4.2022	11.1.2022
Eagle Creek Hydro Power, LLC	Dusty Myers	Chief Dam Safety Engineer	11.17.2022	9.28.2022	11.4.2022	
Eagle Creek Hydro Power, LLC	Ryan Schoolmeesters	Assoc. Director of Civil Eng.	11.17.2022		11.4.2022	
Eagle Creek Hydro Power, LLC	Susie Tara Capalbo	Intern Admin Asstistant	11.17.2022			
Bucks County EM	George Wilson	Director	11.17.2022	9.28.2022	11.4.2022	
Burlington County Office of EM	Darryl T. Williams	OEM Coordinator	1.19.2022		11.4.2022	
Hunterdon County Office of EM	Andrew Camp/Branden Fahey	Emergency Management Coordinator	11.17.2022	9.28.2022	11.4.2022	
Mercer County Office of EM	Robert Hartman	Coordinator	11.17.2022	9.28.2022	11.4.2022	
Monroe County EM	Christina Rosario	Planner	11.17.2022	9.28.2022	11.4.2022	
Northampton County EM	Todd Weaver	Director	1.19.2022	9.28.2022	11.4.2022	
Orange County Div. of Fire Services	Vini Tankasali	Deputy Commissioner	1.19.2022			
Orange County Division of EM	Alan Mack/Dominick Greene	Deputy Commissioner	11.17.2022	9.28.2022	11.4.2022	
Orange County Emergency Services	Shannon Fisher	Dispatcher	1.19.2022	9.28.2022		
Ornage County Emergency Communications	Greg Schmid	Director of Operations	11.17.2022	9.28.2022	11.4.2022	
Orange County Sheriffs Office	Carl Dubois/Laurence Cottone	Sheriff	11.17.2022	9.28.2022	11.4.2022	
Pike County 911		Dispatcher			11.4.2022	
Pike County EMA	Timothy Knapp/Kyle Rohner	Director	11.17.2022		11.4.2022	
Sullivan County Office of EM	Thomas Farney	Director		9.28.2022	11.4.2022	
Sullivan County Office of EM	John Hauschild	Fire Coordinator	1.19.2022	9.28.2022		
Sullivan County Sheriffs Office	Alex Rau	EMS Coordinator	11.17.2022	9.28.2022	11.4.2022	
Sullivan County Sheriffs Office	Michael Schiff	Sheriff	1.19.2022		11.4.2022	
Sullivan County	Joshua Potosek	County Manager	11.17.2022			
Sussex County EMA	Robert Haffner	Director	1.19.2022		11.4.2022	
Warren County Office of EM	Michael Petruzzellis	Deputy OEM Coordinator	11.17.2022	9.28.2022	11.4.2022	
Federal Energy Regulatory Commission	John Spain	Regional Engineer			11.4.2022	
Federal Energy Regulatory Commission	Mike Thiagaram			9.28.2022		
Federal Energy Regulatory Commission	Via Navaratnam, Mathew Tabacco, Gnana Chinniah, Kara Borzillo	Civil Engineer		9.28.2022		
Red Cross Disaster Planning & Res.	John Cascone	Director			11.4.2022	
US Army Corps of Engin. Phila.	James Monsu	Chief	11.17.2022	9.28.2022	11.4.2022	
National Weather Service	James Brewster	Dispatcher		9.28.2022	11.4.2022	
National Park Service, Upper Delaware Scenic & Recreational River	Bonnie K. Sheard	Chief Ranger			11.4.2022	
Pennsylvania State Police		Dispatcher			11.4.2022	
Pennsylvania EMA	Robert Meinert	Internal Operations Director	11.17.2022	9.28.2022	11.4.2022	
Philadelphia Office of EM	Dominick Mireles	Director	11.17.2022	9.28.2022	11.4.2022	

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Organization	Name	Title	Received 1 Update	Participated in Annual Orientation	Participated in Annual Drill & Call Down	Operator Training
Del River Basin Commission	Amy Shallcross			9.28.2022	11.4.2022	
Del River Joint Toll Bridge	Lendell Jones	Director			11.4.2022	
Del River Master	Marie Owens/Vincent Difrenna/Amy McHugh	Deputy	11.17.2022	9.28.2022	11.4.2022	
Del River Master USGS	Kendra Russel	Deputy	11.17.2022	9.28.2022		
New Jersey Dept of Environ. Protection	John Kale	Supervisor	11.17.2022	9.28.2022	11.4.2022	
New Jersey Regional Operations Intelligence Center Mitigation Unit EMS	L.T. Carvelo		1.19.2022		11.4.2022	
New Jersey State Police OEM	Jared Beatrice	Lt.	11.17.2022	9.28.2022	11.4.2022	
New York City Department of Environmental Protection	Paul Rush/Thomas DeJohn/Brad Dromazos	Deputy Commissioner			11.4.2022	
New York State Department of Environmental Conservation	Don Canestrari/Donna Bekkering	Dam Safety	11.17.2022	9.28.2022	11.4.2022	
New York State Division of Homeland Security	Marilyn Schrader, Gene Lucehese	Fire Protection Specialist			11.4.2022	
New York State Division of Homeland Security Region 2	Danielle Darling/Gary Tuthill	Regional Director	11.17.2022	9.28.2022		
New York State Division of Homeland Security & Emergency Services	Melissa Axley/Richard Penney	Planning Specialist	11.17.2022	9.28.2022		
New York State Public Service Commission	Matt Cindar				11.4.2022	
New York State Police Emergency Manag.	Christian McCarthy	Coordinator	1.19.2022		11.4.2022	
City of Port Jervis Fire Dep.	Dominic Cicalese	Chief				
City of Port Jervis Police Dept.	William Worden	Chief				
City of Port Jervis EMA	Tom Vicchiarriello	Coordinator	1.19.2022	9.28.2022	11.4.2022	
Cuddebackville Fire Department	Chris Parlman	Fire Chief				
Huguenot Fire Department	Thomas Kalin	Fire Chief	11.17.2022			
Matamoras EMA	Tom Olver	Coordinator		9.28.2022	11.4.2022	
Montague Township Fire Dept.	Ryan Riegel	Fire Chief				
Sparrowbush Fire Dept.	James Oosterom	Fire Chief				
Sparrowbush Fire Dept.	Carl Van Horn	Asst. Chief				
Town of Deerpark	Jack Flynn	Director of EM	1.19.2022	9.28.2022	11.4.2022	
Town of Forestburgh	Daniel S. Hogue	Supervisor	1.19.2022		11.4.2022	
Town of Lumberland	Jenny R. Mellan	Supervisor	1.19.2022		11.4.2022	
Westfall Township Fire Dept.	Fred Jacobs	Fire Chief	1.19.2022			
Westfall Township Supervisor	Michael Fischetta	EM Coordinator	1.19.2022		11.4.2022	
Pike County Light and Power	Steve Grandinali					
Orange & Rockland Utilities	Garrick Reed				11.4.2022	
Brookfield NASCC	Michael Rinker/Patrick McNelis	Planning Manager	11.17.2022	9.28.2022	11.4.2022	
Lake Wallenpaupack	Paul Wainwright	Gen Power Dispatch	11.17.2022			
Schneider House	Bill Schneider	Resident			11.4.2022	

1 Confirmed by mailed return receipt, telephone call, or in person