## New York State Department of Environmental Conservation Bureau of Flood Protection and Dam Safety

625 Broadway, Albany, New York 12233-3504

		<u>v</u>	isual O	<u>bservations</u>			
DAM NAME	ROME DAM						
STATE ID	219-1082			Section A	Hazard Code	С	
COUNTY	ESSEX				Inspection Date:	9/14/2015	
NEAREST DS C	CITY/TOWN	AUSABL	E FORKS	3	Inspector(s):	DC/CS/TW/KB	
OWNER'S NAME TOWN C			F JAY				
DOWNSTREAM	1 HAZARD	HIGH			TOWNSHIP	JAY	
WATER LEVEL	BEHIND DAM		Spilling				
DRAIN OPERATION			Penstocks not operable				
DEFICIENCIES							
	X 1) Seeps	ige	Х	4) Maintenance	X	7) Cracking	
	2) Slope	Stability	X	5) Surficial Deterio	ration	8) Movement/Misalignment	
	X 3)Undes	irable Growth	Х	6) Volds		9) Data	
Accompanied I	by Robert Lincoln, 1 Penstocks inopera		•		are .		
					woody debris in intake	•	
	Right spillway abu				•		
	General deteriorat	_					
	Ostietal detellorat						
						ra .	
PHOTOGRAPH	#'S						



Photo 1 Dam ID# 219-1082 Rome Dam 9/15/15 Looking west across spillway



Photo 2 Dam ID# 219-1082 Rome Dam Spillway crest



Photo 3 Dam ID# 219-1082 Rome Dam 9/14/15
Left spillway sidewall



Photo 4 Dam ID# 219-1082 Rome Dam Right penstock intake

9/14/15



Photo 5 Dam ID# 219-1082 Rome Dam 9/14/15
Looking southeast at right abutment, penstock



Photo 6 Dam ID# 219-1082 Rome Dam 9/14/15
Right spillway wall - note leakage through right gate, missing stone and cracks in sidewall

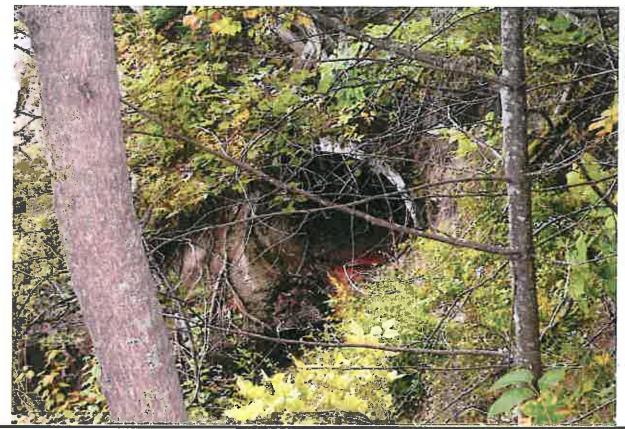


Photo 7 Dam ID# 219-1082 Rome Dam 9/14/15 Left penstock





Photo 9 Dam ID# 219-1082 Rome Dam 9/14/15 Looking east across spillway



Photo 10 Dam ID# 219-1082 Rome Dam Left penstock intake

### New York State Department of Environmental Conservation Division of Water

Bureau of Flood Protection and Dam Safety, 4th Floor 625 Broadway, Albany, New York 12233-3504

Phone: (518) 402-8185 • FAX: (518) 402-9029

Website: www.dec.ny.gov



November 22, 2013

#### **Certified Mail**

Town of Jay Randall Douglas, Supervisor 11 School Lane Au Sable Forks, New York 12912

Re:

Rome Dam, DEC ID#: 219-1082, Class C (High Hazard)

Town of Jay, Essex County

#### Dear Supervisor Douglas:

I conducted a routine inspection of the Rome Dam on October 22, 2013 as part of the Department of Environmental Conservation's (Department) ongoing Dam Safety program. A copy of the visual observations generated from the inspection is enclosed.

The left/right nomenclature used in this letter and in the enclosed Visual Observation Report is based on looking downstream from the middle of the dam.

We inspected the left side of the dam by traversing an overpass near West Church Street and walking along the north bank up to the dam. Viewed from the left bank, it appears that at least one large stone is missing from the right abutment and smaller stones may also be missing. In addition, mortar is missing from many joints. Given the nearness of this void to the spillway flow, water is likely entering the openings causing continuing deterioration. This area must be monitored during your routine inspections for any movement or other change in condition.

The left abutment intake chamber is filled with significant debris. In addition the downstream training wall is collapsed, erosion is occurring along the downstream bank and trees and other vegetation are growing across most of the abutment.

I received the updated version of your Emergency Action Plan (EAP) which included the Flood Insurance Rate Maps that identify the potential impact area from a 100-year flood. This is a good step, but keep in mind this may not accurately identify impacts from a dam break, which are likely larger. An inundation map specific to the dam should be developed. You should review the EAP annually, update it as needed, and distribute any updates to those identified in the Notification Plan. You should have already distributed and reviewed the document with responders such that all are aware of their roles in the event the EAP is activated. Please confirm in writing that you have performed this promulgation and concurrence step.

Currently your Inspection & Maintenance (I&M) Plan identifies that you are to inspect the dam twice a year and after significant events. Because of the advanced deterioration of the structure, the frequency of your routine inspections should be modified such that you are

thoroughly inspecting the dam, from both sides, quarterly or better. You must also develop a plan to lower the impoundment until repairs or dam removal can be completed.

Please provide a written response by December 31, 2013 identifying your plan for the dam, including a plan for lowering the impoundment. Given the deterioration at the dam, you must move forward now with plans for repair or removal. In addition, please provide an update on the status of your EAP, in regards to distribution and review, by responders.

Please keep in mind that any repair or construction related to the dam may require permits from the Department. Well in advance of beginning work at the dam, please check with the Regional Permit Administrator in the Raybrook office (518-897-1234) to see if any permits are needed.

If you have any questions, please contact me at 518-402-8138, or by e-mail at decanest@gw.dec.state.ny.us.

Sincerely.

Donald & Constrain

Donald E. Canestrari, P.E. Environmental Engineer 2

**Dam Safety Section** 

ec w/ encl:

Chris Garrow, Highway Superintendent/Dept. of Public Works Director

Alon Dominitz, NYSDEC, Dam Safety Section, Chief

Dominic Fontana, NYSDEC, Region 5, Water Bill Lupo, NYSDEC, Regional Water Engineer

Donald Jaquish, Director, Essex County Office of Emergency Management

# New York State Department of Environmental Conservation Bureau of Flood Protection and Dam Safety 625 Broadway, Albany, New York 12233-3504

		<u>Visual</u>	<b>Observations</b>		
DAM NAME	ROME DAM				
STATE ID	219-1082		Section A	Hazard Code	С
COUNTY	ESSEX		-	Inspection Date:	10/22/2013
NEAREST DS	CITY/TOWN	AUSABLE FOR	<b>KS</b>	Inspector(s):	DC / AD
OWNER'S NAM	1E	TOWN OF JAY			
DOWNSTREAM	HAZARD	HIGH		TOWNSHIP	JAY
WATER LEVEL	BEHIND DAM	Spilling			
DRAIN OPERA	TION	Pensto	cks not operable		
DEFICIENCIES					
	X 1) Seep	nage X	4) Maintenance		7) Cracking
	2) Slope	Stability X	5) Surficial Deterio	retion	8) Movement/Misalignment
	X 3)Unde	sirable Growth X	6) Volds		9) Data
Rgt. Abutment		nissing from north (spl siween stone masonry		ni fecs, approx. 6-ft. do	win from spillway crest;
<b></b>			Joints		<u></u>
	Trees along down	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Left Abutment		of sputment and down	nstreem bank has d	eroded;	
	Trees across abu	lment		and the second s	
	Significant debris	upstream of gate;			
<del></del>			4		
PHOTOGRAPH :	#'S				



Photo 1 Dam ID# 219-1082 am ID# 219-1082 Rome Dam
Downstream view from lower north bank



Photo 2 Dam ID# 219-1082 Rome Dam 10/22/13
Right (south) abutment/ penstock - leakage through penstock



Photo 3 Dam ID# 219-1082 Rome Dam 10/22/13
Stone(s) missing in abutment, missing mortar along joints

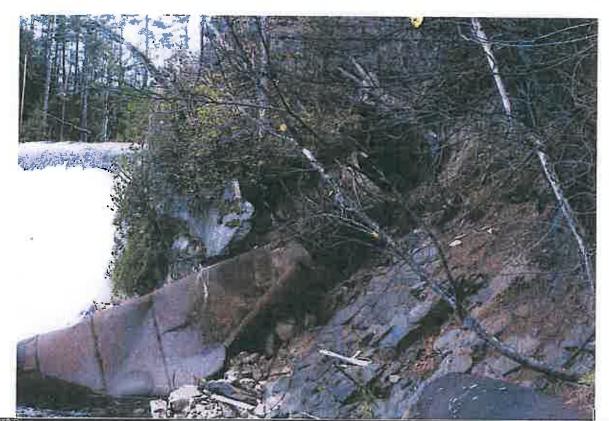


Photo 4 Dam ID# 219-1082 Rome Dam 10/22/13
Left (north) abutment downstream face - downstream concrete training wall collapsed



Photo 5 Dam ID# 219-1082 Rome Dam Left gate, intake structure

10/22/13



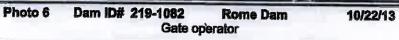




Photo 7 Dam ID# 219-1082 Rome Dam Looking across left intake from bank

10/22/13



Photo 8 Dam ID# 219-1082 Rome Dam 10/22/13
Right abutment - note missing stone, mortar, leakage

