Connecticut Department of Energy & Environmental Protection Water Planning and Management Division Dam Safety Program

EMERGENCY ACTION PLAN COMPLETENESS REVIEW CHECKLIST

Dam Name:		CT Dam ID #:		
Tον	wn(s):	Date of EAP Submission: Date of EAP:		
New or Updated EAP:		If Updated, Date of Last Submission:		
EΑ	P Requirements			
1)	Title Page			
	a)Includes date the EAP was sib)Identifies the document as a developed	ubmitted In EAP and specifies the dam for which it was		
	c)Includes dam names, CT Date town(s) in which the dam is located	m ID number, reservoir names, hazard class, and red		
2)	Executive Summary			
	Includes description of:			
		a)Physical components of the dam		
	b)Pertinent history			
	c)Riverine system upstream ar	nd downstream of the dam		
3)	Location of Emergency Operations			
	•	s - where responsible officials will gather during an ate emergency operation (provide address and		
4)	Dam Monitoring Procedure			
	Outlines procedures for monitoring t	the dam during periods of heavy rainfall and runoff,		
	or when other conditions develop the	at warrant close monitoring of the dam		
		ternate(s) responsible for conducting monitoring of		
	the dam b) Requires initiation of the Dar	n Monitoring Procedure when the NWS announces		
	, ·	re the dam is located, or when other conditions		
	c)ls conducted at an interval th	nat has been calculated by a professional engineer ond with the particular hydrologic, hydraulic and		

d)	Includes viewing the dam and, if possible, walking the dam crest at regular				
	intervals to determine if any sloughing of the embankment, cracking, settlement, or				
	movement of the dam has occurred. Also includes inspection of the toe of the dam				
	and the abutment contacts to detect any signs of deterioration of the dam or its				
	components, and inspection of the spillway(s) and outlet structure(s) for				
	accumulation of debris				
e)	Requires notification to the local authority upon initiation of monitoring				
f)	Requires written record of all monitoring activity (record form may be included				
	in an appendix). Written record must include:				
	i)date and time of each inspection interval				
	ii)rainfall data				
	iii)reservoir level				
	iv)observation of any changes in the dam including sloughing of the				
	embankments, cracking, settlement, movement, erosion, seepage, deterioration				
	of abutment contacts, debris obstructing spillways or outlet structures, or any				
	other sign the dam is deteriorating				
	v)if seepage is observed, comment on location, amount of flow, and whether				
	seepage is clear, cloudy or muddy				
	vi)if movement, sloughing or erosion is observed, comment on the depth and				
	location of conditions				
g)	Includes steps taken to provide adequate lighting to view the dam at night				
h)	Includes an inventory of emergency equipment and supplies and their location,				
	and personnel which could be utilized to respond to emergencies at the dam				
i)	Lists personnel and their alternates that would be utilized by the dam owner or				
	operator responsible for decision making and implementing emergency repairs, in				
	the event the owner is absent				
Nο	tification Flow Chart				
a)	Flow chart shows titles or associated contact names with phone numbers of				
,	local, state, federal, tribal agencies, and any public service company responsible for				
	providing emergency services				
b)	Contacts on flow chart shall be called when the Dam Monitoring Procedure is				
-,	initiated in response to a NWS Flood Warning, when an Early Warning Notification is				
	recommended by the owner/operator, and when a Final Warning Notification is				
	recommended				
c)	Flow chart clearly depicts the order and circumstance under which named				
•	contacts will be notified				
d)	The flow chart includes the DEMHS Regional Contact				

5)

6)	Pro res	Warning Notification Procedure Provides a formal warning notification process to alert the local authority who is responsible for acting on the warning and/or determining whether to evacuate residents or others within the inundation zone in the event of an emergency			
		Includes a warning notification list with addresses for residences, businesses,			
	a)				
		and highways located in the inundation zone, to be used to warn inhabitants			
		downstream that the dam may fail, or is in imminent danger of failing			
	b)	Provides an Early Warning Notification to the local authority responsible for			
		providing emergency services when any of the following conditions are observed:			
		i) A marked increase in seepage through an embankment, particularly if evidence			
		of a boil is observed			
		ii) An increase in the rate of rise of the impoundment such that the nonoverflow			
		section(s) of the dam may be overtopped			
	۵)	iii) Conditions are developing at the dam that could lead to a potential failure Early Warning Notification includes:			
	C)	i)name of dam owner and operator			
		ii)name and location of dam			
		iii)conditions that indicated the dam may be compromised			
		iv)a notice to the emergency management authority to warn residents			
		——a notice to the emergency management authority to warm residents			
	d)	Provides a Final Warning Notification to alert the local authority who is			
		responsible for acting on the final warning and evacuating residents when any of the			
		flowing conditions have been observed:			
		i) A dramatic increase in seepage flow (or pre-existing boil), particularly if piping is			
		occurring			
		ii) Cracking, settlement, or movement of masonry or concrete spillways, training			
		walls or other structures			
		iii) The rise of impoundment is such that the non-overflow section(s) of the dam will			
		overtop or is overtopping and the dam is failing or is in imminent danger of failing			
		iv) Substantial erosion or sloughing of dam embankments			
		v) Any other condition which would likely result in a failure of the dam			
	e)	Final Warning Notification includes:			
		i)name of dam owner and operator			
		ii)name and location of dam			
		iii)conditions at the dam indicated the dam is in imminent danger of failing			
		iv)this is a final warning			
		v)a notice to the emergency management authority to warn residents that evacuation is necessary			
		evacuation is necessary			
7)	Tei	rmination of Emergency			
-	a)	Description of procedure for determining when the emergency can be			
		terminated			

	b)	Identifies parties responsible for determining when the emergency can be terminated				
8)		undation Map				
	-	Prepared by a Professional Engineer				
	b)					
	۵۱	downstream inhabited areas and the inundation zones				
	C)	All elevations are based on a reference to Geodetic North American Vertical Datum (NAVD88)				
		e inundation map must show at a minimum the following features:				
	•	Name and address or location of the dam				
	e)	Local names for all pertinent downstream features (buildings, homes, railroads,				
		bridges, schools, hospitals, campgrounds, other dams, and any other significant facilities)				
	f)	Inundation zone for wet weather, with arrows indicating direction of the flood				
		wave				
	g)	A north arrow and bar scale				
	h)	Pertinent downstream cross sections, such as roads (include road names)				
	Re	Related information must be included with the Inundation Map:				
	i)	Estimated timeline that shows arrival times of peak floodwaters expressed in				
	,	hours and minutes and incremental increase in water depth above the baseline				
		elevation at critical intersections, structures, or inhabited structures				
	j)	List of all streets, roads, and highways, including the address of the residences				
		and businesses subject to flooding				
	k)	A location map sufficient in scale to clearly show the exact location of the				
		impoundment in relation to the surrounding area, other dams in the area, and the				
		delineation of the drainage area. Map should include a north arrow, a bar scale, and				
		the size of the drainage area in square miles				
	l)	A description of the method or computer model used to prepare the inundation				
		map				
9)	De	escription of Drill				
	a)	Description of an exercise, or test to be conducted at a minimum of every two				
		years				
	b)	Drill includes participation of all appropriate personnel identified in the EAP that				
		are responsible for providing emergency services in the event the EAP is initiated				
10) Di	stribution List of Affected Agencies – Include in an appendix				
	a)	List of all local, state, federal, and federal tribal affected agencies that will				
		receive a copy of the EAP, including DEEP Dam Safety				
	b)	The list of record holders includes Carolinne Nascimento of DEMHS				

Completeness Recommendation:

Sections 1 – 10 (except Section 8)					
CompleteIncomplete					
Comments:					
		-			
		-			
Staff Reviewer:	Date:	-			
Section 8 Inundation Map and Related InformationCompleteIncomplete					
Comments:					
		-			
		-			
Staff Reviewer:	Date:	-			
Revision Review					
Sections: Date of Revision:					
CompleteIncomplete					
Comments:		_			
		-			
		-			
Staff Reviewer:	Date:				