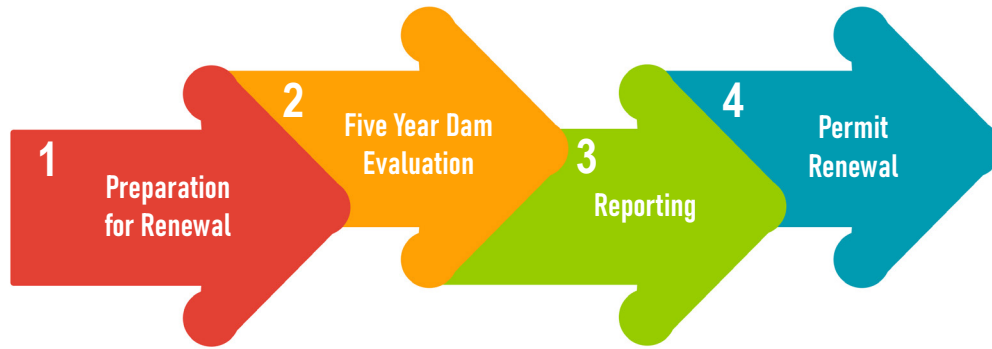


High Hazard Dam Operation Permit Renewal Process



1 Preparation for Renewal (Dam Owner & Engineer)	Dam Owner determines what is required for renewal. Review past permit letters, contact DNRC Dam Safety Program (DSP) to confirm.	Dam Owner hires a qualified licensed Engineer. DSP can provide a list of engineers who work on dams.	Dam Owner provides Engineer all past reports and data. DSP can assist.	Engineer reviews past reports and data, schedules visual inspection; reserves specialized equipment.
	Per 36.14.601, .602	Recommended: 6 months prior to inspection date		Recommended: 3 months prior to inspection date

2 Five Year Dam Evaluation (Engineer)	Engineer conducts VISUAL INSPECTION of dam. Required at least once every five years (MCA 85-15-13)	Engineer reviews OWNER'S OPERATION PLAN <ul style="list-style-type: none"> • Operation and Maintenance Manual (O & M) • Emergency Action Plan (EAP) 	Engineer conducts second VISUAL INSPECTION (if appropriate according to reservoir operation).	Engineer conducts SAFETY EVALUATION of dam: Assessment of stability, seepage, instrumentation, hydraulic & hydrologic adequacy, safe operation level.
	Per 36.14.602	Recommended: 1-2 weeks prior to inspection due date		

3 Reporting (Dam Owner & Engineer)	VISUAL INSPECTION Inspection checklist; photo documentation; description of dam/reservoir; assessment of dam condition.	OPERATION PLAN Suggested O & M and EAP revisions .	SAFETY EVALUATION Compliance with standards; recommendations for detailed studies, investigations, analysis and corrective measures. Safe storage level.	Engineer provides draft report to DSP and Owner for review.	Engineer provides final report to Dam Owner.	Dam Owner provides final report and signed Statement of Owner Intent to DSP.
	Per 36.14.603			Recommended: 30 days after last inspection	60 days after last inspection	90 days after last inspection

4 Permit Renewal (Dam Owner & DSP)	Owner updates EAP and O & M following Engineer's recommendations.	Complete renewal application: <ul style="list-style-type: none"> • Five-year Dam Evaluation Report • Updated EAP and O & M • Statement of Owner Intent. 	Permit renewed for 5 years.		
	Per 36.14.402, .403			Within 90 days of complete application	