

**Part 501 – Authorizations**

**Subpart A – Review and Approval**

**501.8 Engineering Job Classifications That Utilize Controlling Factors**

Review Capability Determination

Name \_\_\_\_\_ Title \_\_\_\_\_ Grade \_\_\_\_\_ Location \_\_\_\_\_

Determined by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Concurred \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Practice Code	Practice Name	Controlling Factor	Units	Class V	Class VI	Class VII	Maximum Review Capability
	Any practice	Hazard potential as defined in 501.7C	class	Low	Signif-icant	High	
	Any practice	Alters the visual resources of beaches and shorelines on oceans and the Great Lakes		None	All	All	
348	Dam, Diversion	Streamflow (25-yr)	cfs	2000	3000	All	
		Flow diverted	cfs	200	500	All	
		Height of drop	feet	8	15	All	
<b>Dams and Structures</b>							
402	Dam, Floodwater Retarding	Drainage area	sq. mi.	20	40	50	
349	Dam, Multiple-Purpose	Effective height	feet	35	50	75	
410	Grade Stabilization Structure	Embankment over active fault		None	None	None	
436	Irrigation Storage Reservoir						
350	Sediment Basin						
587	Structure for Water Control						
400	Floodwater Diversion	Design capacity	cfs	500	All	All	

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404	Floodway	Design capacity	cfs	1000	2000	All	
320	Irrigation Canal or Lateral	Capacity	cfs	500	1000	All	
430	Irrigation Water Conveyance	Pipeline capacity 50 psi < 50 psi	gpm gpm	3500 5000	All All	All All	
<b>Land Reclamation</b>							
451	Fire Control	Area	acres	1	All	All	
456	Highwall	Height with seepage	feet	35	75	All	
	Treatment	Height without seepage	feet	50	100	All	
453	Landslide Treatment	Area	acres	1	5	All	
		Depth Slope	feet percent	10 50	20 All	All All	
452	Shaft and Adit Closing	Shaft depth	feet	50	All	All	
		Shaft span	feet	16	All	All	
		Adit barrier, permeable		All	All	All	
		Adit barrier, impermeable		None	None	All	
454	Subsidence Treatment	Fill height	feet	20	All	All	
455	Toxic Discharge Control	Flow	cfs	100	1000	All	
582	Open Channel	Design capacity	cfs	1000	2000	All	
		Design velocity	fps	10	12	All	
516	Pipeline	Pressure	psi	300	All	All	
533	Pumping Plant for Water Control	Axial flow pump capacity		50,00	100,00	All	
		Centrifugal & turbine pump capacity		0	0 5000	All	
		Centrifugal pump capacity	gpm	3500	500	All	
		Turbine pump static head	gpm ft	350	1000	All	
		Turbine pump static head	ft	500			
	Recreation facilities	Water supply or sewage treatment Onsite Offsite public	daily design capacity (people)	200 400	400 800	All All	
584	Stream Channel Stabilization	Design capacity	cfs	1000	2000	All	
		Design velocity	fps	10	12	All	
580	Streambank and Shoreline Protection	Bankfull capacity Bankfull velocity Water height above shoreline	cfs fps feet	5000 10 3	20,000 12 5	All All All	

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608	Surface Drain, Main or Lateral	Design capacity Design velocity	cfs fps	1000 10	2000 12	All All	
313	Waste Storage Facility	Storage capacity	cu. ft. (thous.)	2000	5000	All	
359	Waste Treatment Lagoon	Aerobic surface area Anaerobic volume	acres cu. ft. (thous.)	25 2000	50 5000	All All	