Part 501 – Authorizations

Subpart A – Review and Approval

501.9 Engineering Job Approval Authority

Name *Employee Name* Title *Field Office Engineer* Grade *GS-9*

Location *Town, State*

Delegated by *Delegator Name* Title *Area Engineer* Date *4/4/2016*

Responsible engineer

Concurred by *Supervisor Name* Title *District Conservationist* Date *4/7/2016*

Supervisor

Practice Code	Practice Name	Controlling Factor	Units	Class I	Class II	Class III	Class IV	Class V	Class VI	Maximum Approval Authority
	Any practice	Hazard potential as defined in 501.7C	class	Low	Low	Low	Low	Low	Significant	*Class I*
	Any practice	Alters the visual resources of beaches and shorelines on oceans and the Great Lakes		None	None	None	None	None	All	*Class I*
	Recreation Facilities - Water supply or Sewage Treatment	Onsite daily design capacity	people	10	25	50	100	200	400	*Class II*
		Offsite daily design capacity	people	25	50	100	200	400	800	*Class II*
313	Waste Storage Facility	Storage capacity	thousand cubic feet	100	200	500	1,000	2,000	5,000	*Class III*
317	Composting Facility	Wall height	feet	3	4	6	8	All	All	*Class II*
		Litter or manure capacity	cubic feet	None	10,000	20,000	50,000	All	All	*Class III*
320	Irrigation Canal or Lateral	Capacity	cubic feet per second	20	50	100	200	500	1,000	*Class III*
326	Clearing and Snagging	Length of reach	feet	1,000	2,500	5,000	15,000	All	All	*Class I*
348	Dam, Diversion	Streamflow (25-yr)	cubic feet per second	100	500	1,000	1,500	2,000	3,000	*Class III*
		Flow diverted	cubic feet per second	25	50	100	150	200	500	*Class III*
		Height of drop	feet	3	3	5	7	8	15	*Class III*
359	Waste Treatment Lagoon	Aerobic surface area	acres	1	2	5	10	25	50	*Class II*
		Anaerobic volume	thousand cubic feet	100	200	500	1,000	2,000	5,000	*Class II*
350	Sediment Basin	Drainage area	square miles	0.5	1	2	4	20	40	*Class III*
		Effective height	feet	10	15	20	25	35	50	*Class III*
		Conduit diameter	inches	12	24	36	42	48	60	*Class III*
		Storage x height	acre feet x feet	500	1,000	2,000	3,000	All	All	*Class III*
		Embankment over active fault		None	None	None	None	None	None	*Class I*

Practice Code	Practice Name	Controlling Factor	Units	Class I	Class II	Class III	Class IV	Class V	Class VI	Maximum Approval Authority
410	Grade Stabilization Structure	Drainage area	square miles	0.5	1	2	4	20	40	*Class III*
		Effective height	feet	10	15	20	25	35	50	*Class III*
		Conduit diameter	inches	12	24	36	42	48	60	*Class III*
		Storage x height	acre feet x feet	500	1,000	2,000	3,000	All	All	*Class III*
		Embankment over active fault		None	None	None	None	None	None	*Class I*
430	Irrigation Pipeline	Pipeline capacity < 50 psi maximum pressure	gallons per minute	200	500	1,000	2,000	5,000	All	*Class III*
		Pipeline capacity ≥ 50 psi operating pressure	gallons per minute	200	500	1,000	2,000	3,500	All	*Class III*
436	Irrigation Reservoir	Drainage area	square miles	0.5	1	2	4	20	40	*Class III*
		Effective height	feet	10	15	20	25	35	50	*Class III*
		Conduit diameter	inches	12	24	36	42	48	60	*Class III*
		Storage x height	acre feet x feet	500	1,000	2,000	3,000	All	All	*Class III*
		Embankment over active fault		None	None	None	None	None	None	*Class I*
516	Livestock Pipeline	Pressure	pounds per square inch	50	100	150	200	300	All	*Class III*
		Pipe Diameter	inches	1 1/4	2	4	6	All	All	*Class III*
533	Pumping Plant	Axial flow pump capacity	gallons per minute	1,000	5,000	10,000	20,000	50,000	100,000	*Class II*
		Centrifugal & turbine pump capacity	gallons per minute	250	500	1,000	2,000	3,500	5,000	*Class III*
		Centrifugal pump static head	feet	50	100	150	200	350	500	*Class IV*
		Turbine pump static head	feet	100	200	300	400	500	1,000	*Class III*
560	Access Road	Surface treatment	kind	Soil	Soil and Gravel	Soil, Gravel, and Asphalt	Soil, Gravel, Asphalt, and Concrete	All	All	*Class II*
		Length	miles	0.5	1	2	4	All	All	*Class II*
		Maximum grade	percent	8	10	15	20	All	All	*Class II*
		Culvert pipe diameter	inches	12	24	48	60	All	All	*Class II*
587	Structure for Water Control	Drainage area	square miles	1	2	5	10	20	40	*Class III*
		Effective height	feet	10	15	20	25	35	50	*Class II*
		Embankment over active fault		None	None	None	None	None	None	*Class I*
608	Surface Drain, Main or Lateral	Design capacity	cubic feet per second	50	100	200	500	1,000	2,000	*Class II*
		Design velocity	feet per second	3	4	6	8	10	12	*Class II*