

ENGINEERING APPROVAL AUTHORITY CHART

Name: _____

| CODE | PRACTICE | LIMITING FACTORS | UNITS | JOB CLASS | | | | | MAXIMUM APPROVAL LIMIT | | |
|------|-----------------------------------|--|-------|--------------|--------------------|-------------------|------------------|------------------|------------------------|--------|--------|
| | | | | I | II | III | IV | V | I&E | DESIGN | CONSTR |
| | Any practice | Hazard Potential | N/A | Low | Low | Low | Low | Low | | | |
| | Any practice | Alters visual resource of ocean beach or shoreline | N/A | None | None | None | None | None | | | |
| 560 | Access Road | Use | N/A | Field Access | Farmstead (Gravel) | Farmstead (Paved) | Public (One-way) | Public (Two-way) | | | |
| 308 | Agrichemical Handling Facility | Surface Area | SQ FT | None | None | 1000 | 2000 | All | | | |
| 575 | Animal Trails and Walkways | Surface Treatment | Type | Unsurfaced | Mulch | Gravel | Paved | All | | | |
| 310 | Bedding | Area Treated | AC | 5 | 10 | 20 | 50 | All | | | |
| 584 | Channel Stabilization | Design Capacity | CFS | 50 | 100 | 250 | 500 | 1000 | | | |
| | | Design Velocity | FPS | 2 | 3 | 5 | 7 | 10 | | | |
| 326 | Clearing & Snagging | Drainage Area | SQ MI | 0.5 | 1 | 5 | 10 | All | | | |
| | | Length of Channel | LF | 100 | 500 | 1000 | 5000 | All | | | |
| 360 | Closure of Waste Impoundments | Surface Area | AC | 0.5 | 1.0 | 2.0 | 3.0 | All | | | |
| 317 | Composting Facility | Volume | CY | 50 | 5000 | 10000 | 20000 | All | | | |
| 656 | Constructed Wetlands | Surface Area | AC | 0.5 | 2 | 5 | 10 | All | | | |
| 356 | Dike | Hazard | Class | III | III | III | III | III | | | |
| | | Water Height | FT | 2 | 3 | 6 | 8 | 12 | | | |
| 362 | Diversion | Drainage Area | AC | 20 | 50 | 100 | 150 | All | | | |
| 554 | Drainage Water Management | Area Drained | AC | 20 | 50 | 100 | 150 | All | | | |
| 432 | Dry Hydrant | Diameter | IN | None | None | None | 6 | All | | | |
| 412 | Grassed Waterway | Discharge | CFS | 20 | 50 | 100 | 200 | All | | | |
| 561 | Heavy Use Area Protection | Surface Treatment | Type | Vegetative | Mulch | Gravel | Paved | All | | | |
| | | Surface Area | SQ FT | 500 | 1000 | 5000 | 10000 | All | | | |
| 320 | Irrigation Canal or Lateral | Capacity | CFS | None | 50 | 100 | 250 | 500 | | | |
| 388 | Irrigation Field Ditch | Area Irrigated | AC | 2 | 5 | 10 | 25 | All | | | |
| 464 | Irrigation Land Leveling | Area Treated | AC | 2 | 5 | 10 | 25 | All | | | |
| 552 | Irrigation Regulating Reservoir | Area Irrigated | AC | 10 | 25 | 50 | 100 | All | | | |
| 436 | Irrigation Storage Res, Excavated | Surface Area | AC | 0.5 | 1.0 | 2.0 | 3.0 | All | | | |

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| 441 | Irrigation System, Microirrigation | Area Irrigated | AC | 10 | 25 | 50 | 100 | All | | | |
| 442 | Irrigation System, Sprinkler | Area Irrigated | AC | 10 | 25 | 50 | 100 | All | | | |
| 447 | Irrigation System, Tailwater Recovery | Area Irrigated | AC | 10 | 25 | 50 | 100 | All | | | |
| 430 | Irrigation Pipeline | Pipeline Capacity, \geq 50 psi | GPM | 250 | 500 | 1000 | 2000 | 3500 | | | |
| | | Pipeline Capacity, < 50 psi | GPM | 250 | 500 | 1000 | 2000 | 5000 | | | |
| 449 | Irrigation Water Management | Area Irrigated | AC | 10 | 25 | 50 | 100 | All | | | |
| 460 | Land Clearing | Area Cleared | AC | 5 | 10 | 20 | 50 | All | | | |
| 466 | Land Smoothing | Area Treated | AC | 5 | 10 | 20 | 50 | All | | | |
| 468 | Lined Waterway or Outlet | Design Capacity | CFS | 10 | 20 | 50 | 100 | 200 | | | |
| 634 | Manure Transfer | Animal Capacity ¹ | AU | 25 | 50 | 100 | 200 | All | | | |
| 353 | Monitoring Well | Diameter | IN | None | None | None | 2 | All | | | |
| 500 | Obstruction Removal | Area Cleared | AC | 0.1 | 0.2 | 0.5 | 1.0 | All | | | |
| 582 | Open Channel | Design Capacity | CFS | 50 | 100 | 250 | 500 | 1000 | | | |
| | | Design Velocity | FPS | 2 | 3 | 5 | 7 | 10 | | | |
| 516 | Pipeline | Pressure | PSI | 25 | 50 | 80 | 150 | 300 | | | |
| 378 | Pond, Excavated | Surface Area | AC | 0.5 | 1.0 | 2.0 | 3.0 | All | | | |
| 521 | Pond Sealing or Lining | Maximum Water Depth | FT | 8 | 12 | 16 | 24 | All | | | |
| 462 | Precision Land Forming | Area Treated | AC | 2 | 5 | 10 | 25 | All | | | |
| 533 | Pumping Plant | Capacity, Axial flow pump | GPM | 1000 | 5000 | 10,000 | 25,000 | 50,000 | | | |
| | | Capacity, Centrifugal & Turbine pumps | GPM | 250 | 500 | 1000 | 1500 | 3500 | | | |
| | | Static Head, Turbine | FT | 20 | 50 | 100 | 200 | 500 | | | |
| | | Static Head, Centrifugal | FT | 20 | 50 | 100 | 200 | 350 | | | |
| 566 | Recreation Land Grading and Shaping | Area Treated | AC | 2 | 5 | 10 | 25 | All | | | |
| 568 | Recreation Trail and Walkway | Surface Treatment | Type | Unsurfaced | Mulch | Gravel | Paved | All | | | |
| 558 | Roof Runoff Structure | Roof Area | SQ FT | 5000 | 10000 | 20000 | 40000 | All | | | |
| 557 | Row Arrangement | Area Treated | AC | 5 | 10 | 20 | 50 | All | | | |
| 570 | Runoff Management System | Drainage Area | AC | 5 | 10 | 20 | 50 | All | | | |

¹ AU = Animal Unit = 1000 pounds of livestock

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| 527 | Sinkhole and Sinkhole Area Treatment | Treatment Type | N/A | None | None | None | Vegetative | All | | | |
| 632 | Solid/Liquid Waste Separation Facility | Facility Type | N/A | None | None | Gravity | Mechanical | All | | | |
| 572 | Spoil Spreading | Area | AC | 5 | 10 | 20 | 50 | All | | | |
| 574 | Spring Development | System Capacity | GPM | 2 | 5 | 10 | 25 | All | | | |
| 580 | Streambank and Shoreline Protection | Stream Bankfull Capacity | CFS | 50 | 100 | 250 | 500 | 5000 | | | |
| | | Stream Drainage Area | SQ MI | 0.5 | 1 | 5 | 10 | All | | | |
| | | Stream Bankfull Velocity | FPS | 2 | 3 | 5 | 7 | 10 | | | |
| | | Stream Low Bank Height | FT | 2 | 4 | 6 | 8 | All | | | |
| | | Shoreline, Height ² | FT | None | None | None | 1.5 | 3 | | | |
| 578 | Stream Crossing | Drainage Area | SQ MI | 0.5 | 1 | 5 | 10 | All | | | |
| | | Culvert Area | SQ FT | 2 | 4 | 7 | 13 | All | | | |
| | | Bridge Span | FT | None | 6 | 12 | 24 | All | | | |
| 606 | Subsurface Drain | Inside Diameter | IN | 6 | 8 | 12 | 18 | All | | | |
| | | Total System Length | FT | 3000 | 5000 | 10000 | 40000 | All | | | |
| 607 | Surface Drainage, Field Ditch | Area Drained | AC | 20 | 50 | 100 | 150 | All | | | |
| 608 | Surface Drainage, Main or Lateral | Design Capacity | CFS | 50 | 100 | 250 | 500 | 1000 | | | |
| | | Design Velocity | FPS | 2 | 3 | 5 | 7 | 10 | | | |
| 600 | Terrace | Area Terraced | AC | 10 | 20 | 50 | 100 | All | | | |
| 620 | Underground Outlet | Inside Diameter | IN | 6 | 8 | 12 | 18 | All | | | |
| 367 | Waste Facility Cover | Cover Area | SQ FT | 500 | 1000 | 5000 | 10000 | All | | | |
| 313 | Waste Storage Facility | Animal Capacity ¹ | AU | 25 | 50 | 100 | 200 | All | | | |
| | | Storage Capacity | CF | None | 1000 | 10000 | 100000 | 2 million | | | |
| 359 | Waste Treatment Lagoon | Aerobic Surface Area | AC | None | 1 | 2 | 5 | 25 | | | |
| | | Anaerobic Volume | AC FT | None | None | None | None | 46 | | | |
| 635 | Vegetated Treatment Area | Area | AC | 0.1 | 0.3 | 0.5 | 1.0 | All | | | |
| 638 | Water and Sediment Control Basin | Fill Height | FT | 4 | 6 | 8 | 10 | All | | | |
| | | Drainage Area | AC | 5 | 10 | 20 | 50 | All | | | |

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² Water height above shoreline.

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| 642 | Water Well | Yield | GPM | 5 | 25 | 50 | 100 | All | | | |
| 614 | Watering Facility | Animal Capacity ¹ | AU | 25 | 50 | 100 | 200 | All | | | |
| 351 | Well Decommissioning | Diameter | IN | None | None | None | None | All | | | |
| 658 | Wetland Creation | Surface Area | AC | 0.5 | 2 | 5 | 10 | All | | | |
| 659 | Wetland Enhancement | Surface Area | AC | 0.5 | 2 | 5 | 10 | All | | | |
| 657 | Wetland Restoration | Surface Area | AC | 0.5 | 2 | 5 | 10 | All | | | |

| CODE | DAMS AND STRUCTURES | LIMITING FACTORS | UNITS | I | II | III | IV | V | I&E | DESIGN | CONSTR |
|------|--|--------------------------------------|-------|----|-----|-----|------|-------|-----|--------|--------|
| 402 | Dam | Hazard | Class | a | a | a | a | a | | | |
| | | Effective Height | FT | 10 | 15 | 20 | 25 | 35 | | | |
| | | Storage x Height | AC FT | 10 | 50 | 300 | 3000 | All | | | |
| 410 | Grade Stabilization Structure | Drainage Area | AC | 20 | 50 | 150 | 320 | 12800 | | | |
| 436 | Irrigation Storage Reservoir, Embankment | Conduit Spillway Inside Diam | IN | 18 | 24 | 36 | 48 | All | | | |
| | | Straight Drop Spillway ³ | | | | | | | | | |
| 378 | Pond, Embankment | Net Drop | FT | 3 | 4 | 6 | 8 | All | | | |
| | | Weir Capacity | CFS | 25 | 100 | 200 | 500 | All | | | |
| 350 | Sediment Basin | Box Inlet Drop Spillway ³ | | | | | | | | | |
| | | Net Drop | FT | 3 | 4 | 6 | 8 | All | | | |
| 587 | Structure for Water Control | Weir Capacity | CFS | 25 | 100 | 200 | 500 | All | | | |
| | | Chute Spillway ³ | | | | | | | | | |
| | | Net Drop | FT | 3 | 4 | 6 | 8 | All | | | |
| | | Weir Capacity | CFS | 25 | 100 | 200 | 300 | All | | | |

³ Assign one approval limit based on all factors listed for that type of structure.