

WASTEWATER TREATMENT PLANT SCORING SHEET

Facility Name _____ SPDES # _____ Chief Operator _____

Facility phone number () _____ Date Completed _____ Regional Reviewer _____ Circle units/items that apply

| Design Flow - 3 points per MGD or part (Minimum 1 point - Maximum 50 points) 3 points x _____ MGD = _____ Flow Points | | | |
|--|--------|--|--------|
| Unit or Item | Points | Unit or Item | Points |
| Preliminary Treatment (Maximum 8 points) | | Phosphorus Removal (required by permit), 4K | 8 |
| Bar Screens and/or Comminutor, 1A | 2 | Chemical Addition for neutralization, 4L | 3 |
| Manual Grit Removal, 1B | 2 | Advanced Treatment Subtotal₄ | |
| Mechanical or Aerated Grit Removal, 1C | 3 | Disinfection (Maximum 8 points) | |
| Pre-aeration, 1D | 2 | Chlorination: | |
| Raw sewage or Effluent pumping, 1E | 3 | Gas Chlorination, 5A | 5 |
| Flow equalization basin, 1F | 3 | Other Chlorination, 5B | 2 |
| (Preliminary Score) Subtotal₁ | | Dechlorination, 5C | 3 |
| Primary Treatment (Maximum 5 points) | | Ultraviolet, 5D | 5 |
| Primary Treatment Including: Primary Clarifiers, Imhoff tanks, Spirogesters, Clarigesters, Fixed Screens, and Hydroscreens, 2A | 5 | Ozonization, 5E | 5 |
| | | Bromine Chloride, 5F | 5 |
| Primary Treatment Subtotal₂ | | Disinfection Subtotal₅ | |
| Secondary Treatment (Maximum 25 points) | | Solids Handling / Disposal (Maximum 25 points) | |
| Lagoon (unaerated), 3B | 3 | Gravity Thickener, 6A | 5 |
| Intermittent sand filters without recirculation, 3C | 3 | Dissolved air floatation thickener, 6B | 8 |
| Intermittent sand filters with recirculation, 3D | 5 | Centrifugation, (includes all modifications) 6C | 8 |
| Aerated Lagoon, 3E | 7 | Aerobic Digestion, 6D | 5 |
| Trickling Filter / Biological Filter without recirculation, 3F | 9 | Single Stage Anaerobic Digestion (unheated), 6E | 5 |
| Trickling Filter / Biological Filter with recirculation, 3G | 11 | Single Stage Anaerobic Digestion (heated), 6F | 8 |
| Rotating Biological Contactors, 3H | 11 | Two Stage Anaerobic Digestion, 6G | 10 |
| Activated Sludge (includes all process modifications), 3I | 20 | Sludge Drying Beds, except vacuum assisted drying bed, 6H | 3 |
| Chemical Coagulation with rapid mix, flocculation, clarification, 3J | 20 | Belt Filter Press, 6I | 8 |
| Secondary Treatment Subtotal₃ | | Plate & Frame Press, 6O | 8 |
| Advanced Waste Treatment / Tertiary Treatment (Maximum 20 points) | | Vacuum Filters, 6P | 8 |
| Polishing pond, 4A | 2 | All other dewatering units, 6J | 5 |
| Microscreens, 4B | 3 | Land Application, 6K | 5 |
| Intermittent sand filter, 4C | 3 | Composting: | |
| Rapid sand filter, 4D | 5 | In vessel, 6L | 10 |
| Activated carbon columns or beds, 4E | 5 | Static Pile, 6M | 5 |
| Reverse osmosis, electrodialysis, ion exchange, 4F | 5 | Solids Reduction (incineration, wet oxidation), 6N | 15 |
| Nitrification required by permit (Ammonia, TKN, or UOD limit): | | Solids Handling/Disposal Subtotal₆ | |
| by Activated Sludge, 4G | 8 | Miscellaneous | |
| Nitrification by other process, 4H | 5 | Nutrient addition (nitrogen and/or phosphorus), 7A | 3 |
| Denitrification required by permit (Nitrate or Total Nitrogen limit): | | Carbon Regeneration (onsite), 7B | 10 |
| Nitrification by Activated Sludge and Denitrification, 4I | 13 | Miscellaneous Subtotal₇ | |
| Nitrification by other process and Denitrification, 4J | 10 | Total Score (add subtotals 1 thru 7 plus Flow Points) | |

Total Operating and Approved Operating Experience Required Based on Education and Plant Score

| Grade | Types of Experience | Facility Type | B.S. Degree* | Approved A.A.S.** | A.A.S.*** | High School |
|-------|-------------------------------|---|-----------------|-------------------|----------------|-----------------|
| 4A | Operating Experience | May be acquired at any WWTP. | | 1½ Years | 3 years | 6 Years |
| | Approved Operating Experience | Must be acquired at an activated sludge WWTP with a point score of 76 or greater. | 2 Years | 2 Years | 2 Years | 2 Years |
| | | Total **** | 2 Years | 3½ Years | 5 Years | 8 Years |
| 4 | Operating Experience | May be acquired at any WWTP. | | 1½ Years | 3 Years | 6 Years |
| | Approved Operating Experience | Must be acquired at a WWTP with a point score of 76 or greater. | 2 Years | 2 Years | 2 Years | 2 Years |
| | | Total **** | 2 Years | 3½ Years | 5 Years | 8 Years |
| 3A | Operating Experience | May be acquired at any WWTP. | | | 1½ Years | 3 Years |
| | Approved Operating Experience | Must be acquired at an activated sludge WWTP with a point score of 56 or greater. | 1½ Years | 1½ Years | 1½ Years | 1½ Years |
| | | Total **** | 1½ Years | 1½ Years | 3 Years | 4½ Years |
| 3 | Operating Experience | May be acquired at any WWTP. | | | 1½ Years | 3 Years |
| | Approved Operating Experience | Must be acquired at a WWTP with a point score of 56 or greater. | 1½ Years | 1½ Years | 1½ Years | 1½ Years |
| | | Total **** | 1½ Years | 1½ Years | 3 Years | 4½ Years |
| 2A | Approved Operating Experience | Must be acquired at an activated sludge WWTP with a point score of 31 or greater. | 1 Year | 1 Year | 1 Year | 1 Year |
| 2 | Approved Operating Experience | Must be acquired at a WWTP with a point score of 31 or greater. | 1 Year | 1 Year | 1 Year | 1 Year |
| 1A | Approved Operating Experience | Must be acquired at an activated sludge WWTP. | 6 Months | 6 Months | 6 Months | 6 Months |
| 1 | Approved Operating Experience | May be acquired at any WWTP. | 6 Months | 6 Months | 6 Months | 6 Months |

- * B.S. Degree must include 30 credit hours of math and/or science, B.A. Degree with 30 credit hours of math and/or science is considered equivalent to a B.S. Degree
- ** See *Detailed Certification Requirements- Education* for “Approved A.A.S. Degrees”
- *** A.A. Degree with 30 credit hours of math or science is considered equivalent to an A.A.S. Degree.
- **** Applicant must meet the combined experience requirements listed as Operating Experience plus Approved Operating Experience.