

## ATTACHMENT A

### PUMP STATION SUBSTANTIAL COMPLETION CHECKLIST\*

\*This list is provided as a general guideline and is not all inclusive.

| <b>GENERAL</b> |                                                  |
|----------------|--------------------------------------------------|
| <b>Item</b>    | <b>Description</b>                               |
| <b>G1</b>      | <b>Documentation</b>                             |
|                | Operation and Maintenance Manuals                |
|                | Record Drawings - Draft                          |
|                | Service and Maintenance Agreements               |
|                | Manufacturers Certificate of Proper Installation |
|                | Factory Test Reports                             |
|                |                                                  |
| <b>G2</b>      | <b>Training</b>                                  |
|                | Operator Training                                |
|                | Specialty Training                               |

| <b>CIVIL / STRUCTURAL</b> |                                        |
|---------------------------|----------------------------------------|
| <b>Item</b>               | <b>Description</b>                     |
| <b>C1</b>                 | <b>Interior</b>                        |
|                           | Water intrusion / infiltration / leaks |
|                           | Wall penetration - Sealing             |
|                           | Concrete finish work                   |
|                           | Caulking joints                        |
|                           | Steel work                             |
|                           | Coating                                |
|                           |                                        |
| <b>C2</b>                 | <b>Exterior</b>                        |
|                           | Paneling / siding                      |
|                           | Landscaping                            |
|                           | Stormwater / drainage                  |
|                           | Paving                                 |
|                           | Painting                               |
|                           | Coating                                |
|                           | Roof                                   |
|                           | Concrete work                          |

| <b>ELECTRICAL / INSTRUMENTATION</b> |                                    |
|-------------------------------------|------------------------------------|
| <b>Item</b>                         | <b>Description</b>                 |
| <b>E1</b>                           | <b>Generator</b>                   |
|                                     | Fuel system & Piping               |
|                                     | Fasteners                          |
|                                     | Bolts and Nuts on Exhaust Guards   |
|                                     | Metal conduit fittings for feeders |
|                                     | Conduit to Pull/Junction boxes     |
|                                     | Day tank system operation          |
|                                     | Exhaust insulation blanket         |

|    |                                                  |
|----|--------------------------------------------------|
|    | Wall Thimble                                     |
|    | Alarms                                           |
| E2 | <b>Switchgear</b>                                |
|    | Operation                                        |
|    | Programming                                      |
| E3 | Transformer                                      |
| E4 | Power Monitoring System                          |
| E5 | Lighting and light switches                      |
| E6 | Clear plastic covers on E-stop push buttons      |
| E7 | Outlets and Outlet covers                        |
| E8 | Operator Interface Terminal (OIT)                |
|    | Operation and Function                           |
|    | Programming                                      |
|    | Placement                                        |
| E9 | Supervisory Control and Data Acquisition (SCADA) |
|    | Operation and Function                           |
|    | Programming                                      |
|    | Placement                                        |

| <b>MECHANICAL</b> |                                                 |
|-------------------|-------------------------------------------------|
| <b>Item</b>       | <b>Description</b>                              |
| M1                | Pumps                                           |
|                   | Operation                                       |
|                   | Vibration                                       |
|                   | Shaft Guards                                    |
|                   | Paint                                           |
| M2                | Heating, Ventilation, & Air Conditioning (HVAC) |
|                   | Panels & Alarms                                 |
|                   | Operation                                       |
|                   | Condensate Line                                 |
|                   | Ductwork                                        |
| M3                | Variable Frequency Drives (VFDs)                |
|                   | Programming                                     |
|                   | Operation                                       |
| M4                | Piping and Fittings                             |
|                   | Paint                                           |
|                   | Joints                                          |
|                   | Supports                                        |
| M5                | Valves                                          |
|                   | Paint                                           |
|                   | Placement                                       |
|                   | Installation                                    |
|                   | Operation                                       |
| M6                | Odor Control System                             |
|                   | Water line insulation/heat trace                |

|     |                                |
|-----|--------------------------------|
|     | H2S monitor operation          |
|     | Level transducer.              |
|     | Programming                    |
|     | Operation                      |
|     | Fan & fan housing              |
| M7  | Salinity Meter                 |
|     | Operation                      |
|     | Placement                      |
| M8  | Grinder                        |
|     | Operation                      |
|     | Placement                      |
|     | Power Supply                   |
|     | Connections                    |
| M9  | Monorail Operation             |
| M10 | Labels for piping and ductwork |
| M11 | Water heater                   |
| M12 | Door locks                     |
| M13 | Plumbing                       |
| M14 | Spare Parts received           |
| M15 | Louvers                        |

| SAFETY |                                                                         |
|--------|-------------------------------------------------------------------------|
| Item   | Description                                                             |
| S1     | Confined Space signage for vaults, wet well, and other hatches          |
| S2     | Arc Flash Labels                                                        |
| S3     | OSHA signs for batteries and NFPA labels for diesel fuel system         |
| S4     | Inspection tags                                                         |
|        | Fire extinguisher                                                       |
|        | Emergency Shower & Eye Wash station                                     |
|        | Hoist                                                                   |
|        | Cranes / Monorail                                                       |
|        | Emergency Lighting                                                      |
| S5     | Guardrail - to be used around floor opening when hatches are open       |
| S6     | Monorail load rating signage                                            |
| S7     | Deck grating secured                                                    |
| S8     | Electrical grade matting in the front of high voltage electrical panels |
| S9     | Emergency Shower & Eye Wash station                                     |
| S10    | Calibration of all meters                                               |
| S11    | Cleaning and debris removal                                             |