

ATTACHMENT A

PUMP STATION SUBSTANTIAL COMPLETION CHECKLIST*

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

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

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

ELECTRICAL / INSTRUMENTATION	
Item	Description
E1	Generator
	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	Switchgear
	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

MECHANICAL	
Item	Description
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