



Condition Rating	Definition
1	Very Good, well maintained, expected to remain reliable for more than 90% of the expected life.
2	Good, some degradation but performance and reliability are not significantly affected. Performance and reliability expected to remain satisfactory for 50-90% of the expected life.
3	Fair, performance and reliability are still acceptable, but some rehabilitation or replacement will be needed in the 50% +/- of the expected life.
4	Poor, performance and/or reliability has significantly decreased, maintenance rehabilitation or replacement needed to restore performance or reliability to acceptable levels. Failure (no longer functions) is likely in 10-50% of the expected life if not rehabilitated or replaced.
5	Very poor, performance and/or reliability has significantly decreased, and failure is probable within 10% of the expected life if rehabilitation or replacement is not performed.

Consequence of Failure Rating	Definition
1	Not Managed. Failure would not affect the pump station operation.
2	Not Critical. Could marginally reduce the pump station capacity or performance.
3	Important (critical but redundant). The pump station performance is significantly impacted without a currently installed redundant component.
4	Critical. The pump station performance is significantly impacted upon failure.
5	Highly Critical. Failure will cause an immediate loss of hydraulic throughput.

Kitsap County Facilities Plan
 Pump Station Condition Assessment



Pump Station:	2				
Basin:	Central Kitsap				
Assessment By:	Peter Cunningham, Tom Hubert				
Access provided by:	Jim Foley				
Date of Visit:	9/15/2020				
Condition	1 good	5 bad	Criticality	1 not critical	5 critical

General Site Conditions/Access	
Access	Available access from Best Western parking lot
Parking	Abundant parking due to hotel parking adjacent to pump station; Approx. 2 commercial vehicles and 5
Notes	

Site Security and Safety					
Facility Fenced	Yes	No	Privacy Fence	Yes	No
Fence Material/type	Chain link		Fence Height	6'	
Notes					

Wet Well		Age	40 years		
Pump Station Configuration	Submersible		Dry Pit		
Condition (1-5)	2		Criticality (1-5)	4	
Wet Well Material	Concrete		Dimensions	6' inside diameter	
Coating Material	N/A		Access Hatch Fall Protection	Yes	No
Hatch Lock	Yes	No	Intrusion Alarm	Yes	No

Dry Well		Age	40 years		
Condition (1-5)	2		Criticality (1-5)	4	
Dry Well Material	Steel		Dimensions	8' pump can diameter	
Coating Material	Versapox epoxy resin		Access Hatch Fall Protection	Yes	No
Hatch Lock	Yes	No	Intrusion Alarm	Yes	No

HVAC (Dry Well)		Age			
Condition (1-5)	2		Criticality (1-5)	4	
Continuous Supply	Yes	No	Supply Fan	Yes	No
Exhaust Fan	Yes	No	Heat	Yes	No
Notes					

Control Building	N/A				
Building	Shed	Roof	Age		
Condition (1-5)			Criticality (1-5)		
Description					
Material			Dimensions		
Intrusion Alarm					
Notes					

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Condition	1	good	5	bad	Criticality
					1 not critical
					5 critical

HVAC (Control Building)	N/A		Age		
Condition (1-5)			Criticality (1-5)		
Continuous Supply	Yes	No	Supply Fan	Yes	No
Exhaust Fan	Yes	No	Heat	Yes	No
Notes					

Piping, Valves, and Gauges			Age	40 years	
Vault Condition (1-5)	2		Vault Criticality (1-5)	3	
Material			Dimensions		
Coating Material			Access Hatch Fall Protection	Yes	No
Hatch Lock	Yes	No	Intrusion Alarm	Yes	No
Isolation Valve Condition (1-5)	3		Isolation Valve Criticality (1-5)	3	
Isolation Valve Type	Gate	Plug			
Piping Condition (1-5)	3		Piping Criticality (1-5)	2	
Check Valve Condition (1-5)	4		Check Valve Criticality (1-5)	2	
Air/Vac Valve Condition (1-5)	N/A		Air/Vac Valve Criticality (1-5)	N/A	
Pressure Gauge Condition (1-5)	N/A		Pressure Gauge Criticality (1-5)	N/A	
Flow Meter Condition (1-5)	N/A		Flow Meter Criticality (1-5)	N/A	
Notes					

Pumps						
Make/Model	Smith & Loveless; 4B4A, 4C4A, 4D4A pumps		Quantity	2	Age	40 years
Design Point	630	gpm	138	tdh	Capacity Checked	Yes
Condition (1-5)	4		Criticality (1-5)	4		No
Notes						

Miscellaneous					
Washdown Water	Yes	No	Backflow Assembly	Yes	No
Bypass Piping Condition (1-5)	N/A		Bypass Piping Criticality (1-5)	N/A	
Bypass Piping Condition (1-5)	N/A		Bypass Piping Criticality (1-5)	N/A	
SCADA	Yes	No			

- Bubblers
- Not a lot of problems but "it has its moments"
- It's old
- Dry can, Smith and Loveless
- Might be due for replacement due to age

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Category	Condition	CoF	Condition*CoF
Overall	3.2	2.0	11.9
Civil	2.0	2.0	4.0
Structural	2.0	5.0	10.0
Pumping Systems	3.5	5.0	17.5
Motors	3.0	3.0	9.0
Piping Systems	3.0	5.0	15.0
Valve Systems or Assemblies	3.0	2.0	6.0
Support Systems	3.5	1.0	3.5
Instrumentation	3.5	5	17.5
Electrical and Power Distribution	5	5	25.0

Notes: A lower score indicates better condition or lower criticality