VA Puget Sound Health Care System **20 May 2024**

Surgical Vacuum

SOURCE EVALUATION DATA

LOCATION OF VACUUM PUMP: **ENERGY PLANT**			AREA SERVED: **FACILITY/BLDG. 100**	
UNIT MANUFACTURER: **ROGERS/KRVP SERIES**			TECH SUPPORT PHONE: **503-639-6151**	
UNIT MODEL NUMBER: **KRVP-30-VAC**			SERIAL NUMBER: **23H6528852**	
PUMP MANUFACTURER: **ROGERS**			CFM: **274**	VOLTAGE: **460**
VACUUM PUMP DATA	MODEL # **KRVP-30**	SERIAL # **H652885223**	2023 HOURS: **N/A**	2024 HOURS: **3.9**
THE VACUUM MAIN LINE PRESSURE IS**: 20.7"HG**			GAUGE RANGE IS: **0-30HG**	
THE LEAD PUMP IS ON AT **19.8" HG** AND OFF AT **24" HG**			LAG IS ON AT **17" HG** AND OFF AT **22" HG**	

Yes	No	N/A		
☐	☐	☒	1.	Is the data on this sheet for the following source(s): LEAD & LAG?
☒	☐	☐	2.	Is the entire area Facility served by this source?
☒	☐	☐	3.	Is the room adequately vented to prevent accumulation of heat per manufacturers' recommendation?
☒	☐	☐	4.	Are there two or more pumps?
☒	☐	☐	5.	Does each pump have a check valve to prevent backflow through off-cycle units?
☒	☐	☐	6.	Does each pump have isolation valves on intake piping?
☒	☐	☐	7.	Does each pump have isolation valves (or equivalent) on exhaust piping? NOTE: If the answer is no, a tube cap can be used when pumps are removed from service.
☒	☐	☐	8.	Is there sufficient flexible couplings installed in the piping to and from the equipment?
☒	☐	☐	9.	Is there a receiver?

Yes	No		
☒	☐	a)	Does the receiver have an ASME data plate?
☒	☐	b)	Does the receiver have sufficient manual drain?
☒	☐	c)	Is the receiver valved to allow draining or servicing without interrupting the Vacuum system?

Yes	No	N/A	
☒	☐	☐	10. Is system capable of automatically activating additional units to maintain vacuum?
			Yes **No**
			☒ ☐ a) Is there a local audible / visual signal when lag pump is in operation?
			☒ ☐ b) Does the signal latch, requiring manual reset?
			☒ ☐ c) Is it wired to master alarm panels?
☒	☐	☐	11. Is there automatic pump alternation to provide for even wear?
☒	☐	☐	12. Are there dedicated disconnect switches, motor starting devices, and overload protection for each pump?
☒	☐	☐	13. Is power supplied by the equipment branch of the essential electrical system?
			14. Vacuum Exhaust:
			Yes **No**
			☒ ☐ a) Is the exhaust outdoors and at least 10 ft. from any door, window, air intake, or other opening in the building?
			☒ ☐ b) Is the exhaust discharge turned down and screened or otherwise protected from vermin, debris, or precipitation?
			☒ ☐ c) Is there a trapped drip leg with valved drain on the exhaust line to discharge condensate or oil?
			☒ ☐ d) Is the exhaust piping considered to be of proper size to minimize back pressure?
			Exhaust Location: **Above mechanical room**
☒	☐	☐	15. Is Vacuum distribution piping hard-drawn copper or stainless steel pipe?
☒	☐	☐	16. Is the source piping appropriately labeled for Vacuum?
			Yes **No**
			☒ ☐ Is the label background color white?
☒	☐	☐	17. Is the source valve in the immediate vicinity of the source equipment?
			Yes **No**
			☒ ☐ Is the source valve labeled?
☒	☐	☐	18. Is there a line vacuum low switch wired to the master alarm panels?
			Yes **No**
			☒ ☐ a) Is the switch located on the patient side of the main valve, or source valve if there is no main valve?
			☒ ☐ b) Is the switch connected with a demand check fitting?
			☒ ☐ c) Is the demand check fitting gas specific?
			☒ ☐ d) Is there a gauge installed next to the switch after source/mainline shutoff valve?
			Location of switch: **Just upstream of Main Valve**

COMMENTS: