

MEMORANDUM

TO: Asset Management Team **FROM:** Lead Operations Technician **DATE:** October 26, 2023 **SUBJECT:** Summary of Recent Maintenance Logs for Northwood Pump Station

This is a quick summary of notable items from the Northwood station logs over the past six months to support your FMEA review.

Motor Overheating Alarms: We've had two instances of high-temperature alarms on the main pump motor during peak demand hours (July and August). In both cases, the alarm cleared after reducing flow for about 15 minutes. No damage was found, but it suggests the motor is running at its absolute limit.

Check Valve 'Sticking': On three separate occasions during routine system startups, the downstream check valve was slow to open, causing a momentary pressure surge. We had to manually cycle it to get it to function properly. It hasn't failed completely, but it's not operating smoothly.

Strainer Clogging: Debris levels from the reservoir were higher than usual this spring, leading to more frequent cleaning cycles for the main intake strainer. Clogging frequency has returned to normal since June.

Overall, the station is running reliably, but these are the items my team has noted as unusual. Let me know if you need more detail.