Schwartzwalder Daily Summary Report



			Lead Operator:			Bryant A			
Report Date:		8/13/2025			Assistant Operator(s):				
Effluent Discharged:		0.174 Mgal		MW-18 Level:		Level:	209.4 ft	92.1 ft	
Average Flowrate:		124.7 gpm		Transducer Level:		208.7 ft	87.3 ft		
Effluent to Date: 12.604 Mgal			(Field Reading Value below 150')						
рН				Flowrate					
9.5				250					
9				200					
8.5				150					
7.5				100					
6.5				50					
5.5				0					
0:00 4:48 9:36 14:24 19:12 0:00) 4:4	48 9:36	14:24 19:	:12 0:00	
Compliance Level				Finished Water Quality					
Compliance Level			Paran	neters	Temp	рН	Cond		
) le 20				Val	lues	21°C	7.67	180 µS/cm	
9 40									
Ste	S S S S S S S S S S S S S S S S S S S				Chemical Inventory Chemicals Antiscalant NaOH BaCl				
150						Antiscalant	NaOH	BaCl 10 Cal	
w 80		1			Used maining	12 Gal 192 Gal	14 Gal 129 Gal	19 Gal 39 Gal	
Depth below 150' Steve Level (ff) 0	23-May	12-Jul	31-Aug		Staged	460 Gal	129 Gal	160 Gal	
Transducer Level — MW-18					ays ilable	54 Days	84 Days	10 Days	

Safety Issues/Concerns:

- N/A

Notes:

- Collected and Shipped Outfall 001A Weekly TSS & COD Samples.
- Plant Shut OFF at 14:37. Suspected to be due to Mine Pump VFD Overheating. Dirty Fan Filters may have caused this issue. Filters have been replaced with new ones.
- Plant Started Up with 2 RO's on 8/14/25 @ 09:18.

NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and remained in place over the winter. On 6/6/2025, it was replaced with an absolute transducer with a 600-ft cable at a lower depth. A 77.1-ft difference in readings was observed. While some of offset may be a result from the deeper installation and transducer type, the old data's accuracy is questionable due to damage to the atmospheric vent, which may have allowed moisture intrusion.







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1 message

Chris Prosper <chris.prosper@linkan.com>

Thu, Aug 14, 2025 at 2:04 PM

To: Peter Hays - DNR <peter.hays@state.co.us>

Cc: Adam Billin Adam.Billin@linkan.com, Sam Billin Adam.Billin@linkan.com, Bryant Acevedo Adam.billin@linkan.com, Brandy Wadford Adam.billinkan.com, Brandy Wadford Adam.billinkan.com, Brandy Wadford Adam.billin@linkan.com, Brandy

Hello All,

Please see the attached Summary Report for 8/13/25.

As noted in the report, the plant experienced an unexpected shutdown at 14:37 yesterday. While the exact cause remains unconfirmed, it is suspected that the mine pump VFD overheated. In response, the VFD breaker was reset, the filters for the fans on the VFD panel in the plant were replaced (see attached before-and-after photos), and the plant was restarted today at 09:18.

At approximately 14:30 yesterday, Bryant left the site to deliver the weekly samples. No system alarms were triggered to alert the operations team of the shutdown because the IX feed pressure alarm setpoint was marginally too low (pressure was reading 3.89 psi; the low-low alarm was set to 3.00 psi). To prevent recurrence, the following corrective actions have been implemented:

- Adjusted IX feed pressure alarm setpoints to align more closely with normal operating conditions.
- Reviewed and updated the alarm setpoints to improve operational insight.
- Added weekly inspection of VFD panel filters to the operational calendar to reduce the likelihood of filter-related shutdowns.

Please let me know if there are any questions.

Thank you,

Chris Prosper

Engineer



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3 attachments



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IMG_8289.jpg 4012K

