

**SANITARY DISTRICT NO. 5 OF MARIN COUNTY  
2001 Paradise Drive  
Tiburon, California 94920  
AGENDA**

**Capital Improvement Program Committee Meeting  
Thursday, September 8, 2022, 10:00 A.M.**

**CORONA VIRUS (COVID-19) ADVISORY NOTICE**

Consistent with Assembly Bill 361 revising Government Code section 54953, and Resolution No. 2021-07 of this Board enacted in accordance therewith, the Meeting will not be physically open to the public and all Board Members and Staff will be teleconferencing into the meeting.

**How to Submit Public Comments:**

Comments submitted prior to the commencement of the meeting will be presented to the Committee and included in the public record for the meeting.

**Public Comments are to be submitted via email to [rdohrmann@sani5.org](mailto:rdohrmann@sani5.org).**

In addition, members of the public who are calling-in will have the opportunity to provide public comments by following the steps below:

**How to Participate in the Meeting:**

**Join Zoom Meeting by clicking on the following link:**

**<https://us02web.zoom.us/j/6230620778>**

**Meeting ID: 623 062 0778**

**or join by phone:**

**Call in number: (669) 900-9128**

**Participant Code: 623 062 0778**

**I. Roll Call**

**II. Public Comments**

**II. New Business**

1. Review and discuss service bulletin for MP Blower VFD's and quote for replacements- long lead times- unbudgeted.
2. Review and discuss RFP for MP CIP Program Review and Staff Occupancy evaluation and recommendations.
3. Review and discussion of 2022 sewer rehab project.

**IV. Adjournment**

*This Committee may be attended by Board Members who do not serve on this committee. In the event that a quorum of the entire Board is present, this Committee shall act as a Committee of the Whole. In either case, any item acted upon by the Committee or the Committee of the Whole will require consideration and action by the full Board of Directors as a prerequisite to its legal enactment. **Accessible public meetings:** Any member of the public who needs accommodations should email the Office Manager, at [rdohrmann@sani5.org](mailto:rdohrmann@sani5.org), who will use her best efforts to provide as much accessibility as possible while also maintaining public safety.*



# SERVICE BULLETIN

NOTICE: The Type of Change and Recommended Compliance specified, reflects APG-Neuros's best judgment regarding the Service Bulletin. All questions should be directed to your Regional Manager or our spare parts team Specifications subject to change without notice.

**NUMBER:** 6.5/110  
**ISSUED:** June 2022  
**REVISED:**  
**PRODUCT:** ALL  
**MODEL(S):** NX Series Turbo Blowers  
**SUBJECT:** Replacement of VFD

**Type of Change:** Product Reliability

**Recommended Compliance:** Within six (6) months

**Purpose:** To preventatively replace VFD's manufactured in or have been in operation since or before December 2014

## GENERAL INFORMATION:

Incidents have occurred in the field where VFDs introduced before December 31, 2014, have failed. Further investigation into these incidents has led us to conclude that those VFDs have exceeded their expected operating hours.

APG-Neuros has introduced a new generation VFD that suits our customers' requirements and operating conditions. It includes hardware and VFD programming parameter modifications with complete installation instructions. Its key features are:

- Updated hardware having an STO cable from the control card to the power stage
- Updated operating controls from V/Hz to SCL control which results in better speed control

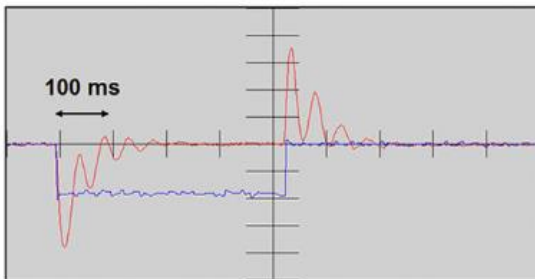


Fig 1 – V/Hz control

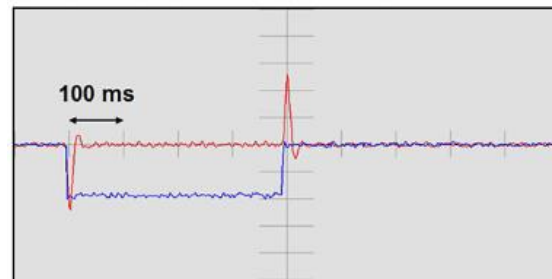


Fig 2 – SCL control

- Increased over-voltage level of 840 VDC
- A 3C3 coating on all printed circuit boards to protect from moisture, chemicals, and extreme temperature. Added protection against H<sub>2</sub>S gasses
- Dielectric grease at all connectors



# SERVICE BULLETIN

**NOTICE:** The Type of Change and Recommended Compliance specified, reflects APG-Neuros's best judgment regarding the Service Bulletin. All questions should be directed to your Regional Manager or our spare parts team Specifications subject to change without notice.

## ACTION REQUIRED:

To preventatively replace existing VFDs in operation prior to December 31, 2014 with a new generation VFD model from APG-Neuros.

For further information about the service bulletin, please email us at [servicebulletins@apg-neuros.com](mailto:servicebulletins@apg-neuros.com)

To request a quote or to place an order, please email us at [spareparts@apg-neuros.com](mailto:spareparts@apg-neuros.com)

## Storage Instructions:

If replacement VFDs are stored beyond one year, it is mandatory to follow the manufacture's recommendations prior to start-up.

Storage period < 1 year			
• Start-up without special measures			
Storage period 1...2 years			
• Operate frequency inverter one hour without modulation			
Storage period 2...3 years			
• Remove all cables from the power circuit; especially of braking resistor or module			
• Open control release			
• Connect variable transformer to inverter input			
• Increase variable transformer slowly to indicated input voltage (>1 min) and remain at least on the specified time.			
	Voltage class	Input voltage	Residence time
	400V	0...280V	15rpm
		280...400V	15rpm
		400...500V	1h
Storage period > 3 years			
• Input voltages as before, however double the times per year. Eventually change capacitors.			

Figure 3 Storage instructions



**Quotation**

Log Number AM-2022-0842-0  
Created Date 8/18/2022  
Last Modified Date 8/18/2022, 9:21 AM

**Delivery address:**

SANITARY DISTRICT NO.5 OF MARIN COUNTY  
Casey Cottrell  
2001 Paradise Drive  
Tiburon, CA 94920  
United States  
(415) 435-1501  
rcottrell@sani5.org

**Invoice address:**

SANITARY DISTRICT NO.5 OF MARIN COUNTY

**Project Description**

**Project Name:** SANITARY DISTRICT NO.5 OF MARIN COUNTY  
**Project Number:**  
**Models:** 12-0031  
1 x P12-NX030-0005; 1 x P12-NX030-0006; 1 x P12-NX030-0007

Item	Quantity	Product Description	Discount	Product Code	Details	Sales Price	Total Price
1	3.00	3C3 Coated VFD for NX30	10.00%	ELE00311-0005.0	Lead Time: 26-30 weeks 10% Discount as per service bulletin **Cannot be combined with other discounts	USD 6,775.18	USD 18,292.99
2	1.00	Shipping Estimate**		SRV00011-0011.0	**To be adjusted on final invoice	USD 1,200.00	USD 1,200.00

Subtotal USD 21,525.54  
Total Price USD 19,492.99  
Grand Total USD 19,492.99

Price does not include applicable taxes

Quote Prepared By  
Naomi Fleming  
Aftermarket Specialist

Expiration Date  
9/19/2022

- Payment method: CK, Wire transfer, Credit card
- Payment: Net 30 Days
- Shipping: PPA

**Thank you for choosing APG-Neuros!**