

Appendix 4 – Process and Decision Making Process for Turbo Blowers

1. 2009-03-10- PRC Evaluation/Decision

Letter to John Meunier Inc. (distributor of APG Neuros turbo blowers) from Water/Wastewater Associate Director advising of conditional approval for a six month test period.

2. 2011-06-14 – Procurement

Tender Closes for 2011-T-112 Crystal Beach Wastewater Treatment Plant Upgrades includes three APG Neuros turbo blowers.

3. 2011-10-15 thru 2020-06-03 Blower Performance Issues

Work orders and service reports for turbo blower issues including K-Turbo Blowers at Port Colborne WWTP and APG Neuros Turbo Blowers at Crystal Beach WWTP.

4. 2012-10-16 – Status Update

APG Neuros turbo blowers at Crystal Beach in-service date.

5. 2014-05-06 – Procurement

Tender Closes for 2014-T-114 New Niagara on the Lake Wastewater Treatment Plant includes specification for APG Neuros turbo blowers.

6. 2015-07-23 – Update Communication to Staff

Central Maintenance meeting minutes where W-WW Director (Paul Smeltzer) confirmed he and the W-WW Associate Director of W-WW would be meeting with representatives and removing turbo blowers from APEL.

7. 2015-07-24 – Evaluation/Decision

Email discussing a meeting having taken place between the Director of Water-Wastewater and Mr. Omar Hammoud, CEO of APG Neuros. Email notes the following was discussed at the meeting “advised that we will be removing turbo blowers from our vendors list and will re-evaluate this decision one year from now. Any reconsideration will be based on continuous service of the existing turbo blowers for a one year period.”

8. 2015-08-05 – PRC Evaluation/Decision

Letter from Associate Director Water-Wastewater to John Meunier Inc (distributor of APG Neuros) providing notice of turbo blower category deletion from approved equipment list stating: “could not ignore the facts regarding performance, service and maintenance issues associated with existing units in our system.”

2015-08-05

Versions of APEL have no turbo blower sub-category or turbo blower vendors listed.

9. **2017-11-20 PRC Leadership and membership composition changes**
10. **2018-04-26 – PRC Evaluation/Decision**
PRC Meeting Minutes detailing review and consideration of Sulzer turbo blowers.
11. **2018-05-31- PRC Evaluation/Decision Letter**
Letter from PRC to Landy Lu from Sulzer advising of approval on APEL.
12. **2019-08-26- PRC Evaluation/Decision**
PRC Meeting Minutes detailing review and reconsideration of APG Neuros turbo blowers.
13. **2019-09-20- PRC Evaluation/Decision Letter**
Letter from PRC to Phil Taschereau from APG Neuros advising of approval on APEL.
14. **2019-10-08- Blower Analysis for Port Dalhousie**
Staff email discussion on lifecycle cost analysis of blowers and confirmation of energy saving benefits of turbo blower installation and trial of magnetic bearing turbo blowers.
15. **2020-01-17 – Niagara-on-the Lake WWTP put into service**
12 month trial period for APG Neuros turbo blowers commences per 2015-07-24 decision
16. **2020-08-28 - 2020-T-116 Port Dalhousie Tender Issued**
Approved Manufacturers for each product were listed under each product specification. Sulzer was listed as the only approved product in the blower specifications to facilitate the 12-month pilot study.
17. **2020-10-01 – Enquiry Seeking Clarification of Tender**
Letter from APG Neuros to W-WW PRC seeking clarification on PDWWTP Tender specifications; included only Sulzer (competitor) for turbo blower manufacturers. Seeking to be added as a named supplier on 2020-T-116 (Port Dalhousie) closed on Oct. 14, 2020 (then extended to Nov 5); Section 11370 - Turbo Blowers
18. **2020-10-07 – Response to Enquiry About Tender**
PRC letter to Neuros Inquiry about W-WW APEL listings and confirms:
 - Removal from list pending outcome of NOTL performance trial (12 months, completes Jan. 17, 2021)
 - Region's intention to proceed with a trial with a competitor (project not named in response)
19. **2020-11-05 - 2020-T-116 Port Dalhousie Tender Closes**

20. 2021-01-06 – APG Neuros Presentation to PRC

PRC meeting minutes review presentation and questions/discussion.

21. 2021-01-17 – End of 12 month trial period for NOTL blowers

22. 2021-01-18 – PRC Evaluation/Decision

Minutes from PRC meeting documenting approval of turbo blower sub-category being reinstated on APEL and inclusion of approved APG Neuros turbo blowers.

23. 2021-01-18- PRC Decision Letter

Letter from PRC to Mr. Omar Hammoud, CEO and President of APG Neuros, confirming approval for turbo blowers on APEL.