



Puget Sound Clean Air Agency

Notice of Construction No. **11987**
Original Order of Approval No. **9636**
Registration No. **20100**
Date

HEREBY ISSUES AN ORDER OF APPROVAL
TO CONSTRUCT, INSTALL, OR ESTABLISH

DRAFT

One UltraKool Model 408-48-37 vapor degreaser with a 155 ft² (14.4 m²) surface area using a stabilized n-propyl bromide solvent.

OWNER

INSTALLATION ADDRESS

Western Pneumatic Tube Co
835 6th St S
Kirkland, WA 98033

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Kirkland, WA 98033

THIS ORDER IS ISSUED SUBJECT TO THE FOLLOWING RESTRICTIONS AND CONDITIONS

1. Approval is hereby granted as provided in Article 6 of Regulation I of the Puget Sound Clean Air Agency to the applicant to install or establish the equipment, device or process described hereon at the INSTALLATION ADDRESS in accordance with the plans and specifications on file in the Engineering Division of the Puget Sound Clean Air Agency.
2. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.
3. Emissions of Volatile Organic Compounds (VOCs) as defined in 40 CFR Part 51.100 emitted from the vapor degreaser shall not exceed 70 tons in any consecutive 12-month period. In order to demonstrate compliance with this limit, the owner or operator shall:
 - a. Maintain a log of solvent additions and deletions from the vapor degreaser; and
 - b. Within 30 days of the month, calculate and record emissions of VOCs based on solvent additions and deletions and the VOC contents of the solvent based on manufacturer's supplied data such as a safety data sheet, product data sheet or technical data sheet. Emissions from solvent removed from the degreaser in solid waste may also be subtracted from usage if the solvent composition has been determined through waste analysis based on at least three representative samples obtained in the previous 12-month period; and
 - c. If VOC emissions from the degreaser exceed 65 tons of VOC during the previous 12-month period, notify the Agency, in writing, within 45 days of the end of that month.
4. The owner or operator shall calculate and record actual VOC emissions from activities at the facility for the previous calendar year no later than June 30 of each year. If VOC emissions at the facility exceed 90 tons, the owner or operator shall notify the Agency, in writing, no later than July 15 of that year.
5. The owner or operator may use EnSolv-5408, Tech Kleen AZ, or another stabilized n-propyl bromide solvent that contains the same constituents as these two solvents in the degreaser. An alternative solvent requires approval by the Agency in accordance with Regulation I, Article 6.

DESIGN AND OPERATING REQUIREMENTS

6. The refrigerated freeboard chiller shall be operated whenever the vapor degreaser is in use.
7. The chilled air blanket temperature measured at the center of the air blanket shall be maintained at 46 degrees F or less except when the coils are being thawed. When coils are thawed, the degreaser may only

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be in idle mode with the cover in place.

8. The freeboard ratio shall be maintained at 1.0 or greater.
9. The vapor degreaser shall be equipped with a cover that is free of cracks, holes, and other defects and that completely covers the cleaning machine opening when in place. The cover shall be closed at all times except when processing work in the degreaser, or during maintenance. The cover shall be closed to the maximum extent possible when parts are being degreased and during maintenance.
10. The degreaser shall be equipped with an automated parts handling system that moves parts at a speed of 10 feet per minute or less.
11. Parts shall be oriented such that solvent drains freely, and parts shall not be removed from the degreaser until dripping stops.
12. The degreaser shall be equipped with a high vapor cutoff thermostat with manual reset.
13. Waste solvent, still bottoms, and sump bottoms shall be collected and stored in closed containers. These containers may contain a pressure relief device, but shall not allow liquid to drain from the container.
14. At least once each calendar month, the owner or operator shall conduct the following inspections and log the inspection results:
 - a. Check the chilled air blanket temperature using a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode, but not when coils are being thawed;
 - b. Check the degreaser for leaks;
 - c. Check if the cover is operating properly, completely covers the degreaser, is free of cracks, holes, and other defects;
 - d. Check whether the high vapor cutoff thermostat is operating properly;
 - e. Check whether the vapor-up thermostat is operating properly; and
 - f. Check the hoist speed by measuring the time it takes for the hoist to travel a measured distance. The speed is equal to the distance in meters divided by the time in minutes (meters per minute).

Adjustments or repairs shall be made within 15 days of detection of any problems or parameters outside of the limits specified by this Order of Approval. Western Pneumatic shall keep a log of all such adjustments and repairs.

15. All records required per this Order of Approval shall be kept on-site for at least two years and shall be made available to Agency personnel upon request.
16. This Order of Approval No. 11987 issued to add a VOC limit to degreaser operations cancels and supersedes Order of Approval No. 9636 dated August 9, 2007, upon issuance.

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APPEAL RIGHTS

Pursuant to Puget Sound Clean Air Agency's Regulation I, Section 3.17 and RCW 43.21B.310, this Order may be appealed to the Pollution Control Hearings Board (PCHB). To appeal to the PCHB, a written notice of appeal must be filed with the PCHB and a copy served upon Puget Sound Clean Air Agency within 30 days of the date the applicant receives this Order.

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Maggie Corbin
Reviewing Engineer

John Dawson
Engineering Manager