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Puget Sound Clean Air Agency

Puget Sound Clean Air Agency

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

Notice of Construction No. **11987**
Original Order of Approval No. **9636**
Registration No. **20100**
Date NOV 06 2020

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

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

INSTALLATION ADDRESS

Western Pneumatic Tube Co
835 6th St S
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

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.

Order of Approval for NC No. 11987

NOV 06 2020

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.

Maggie Corbin for
Reviewing Engineer

John Dawson PE
John Dawson
Engineering Manager

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Notice of Construction No. **12153**

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

Registration No. **20100**

Date SEP 17 2021

One Campbellmatic baghouse rated at 2,400 cfm and one DC Mill baghouse rated at 1,500 cfm used to control particulate matter emissions from metal tube cutting operations, including stainless steel. Both baghouses were permitted to operate under Order of Approval No. 8549. This Order of Approval is issued for alteration of the DC Mill baghouse to upgrade filters with a charcoal MERV 15 filter system.

OWNER	INSTALLATION ADDRESS
Western Pneumatic Tube Co **835 6th St S** **Kirkland, WA 98033**	**Western Pneumatic Tube Co** **835 6th St S** **Kirkland, WA 98033**

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2. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.
3. There shall be no visible emissions or fallout from the baghouses.
4. The owner or operator shall install and maintain gauges to measure the pressure drop across the exhaust filters of the baghouses. The owner or operator shall incorporate the normal operating pressure drop into the Operation and Maintenance Plan and clearly mark those ranges on or near the pressure drop gauges.

Air Flow Systems Baghouse

5. The Air Flow Systems baghouse shall be inspected at least once per month. Inspections shall include a check of the exhaust for visible emissions and fallout, and a check of the pressure drop across the filters.
6. If visible emissions, fallout, or abnormal pressure drop are observed from the Air Flow Systems baghouse, the owner or operator shall investigate the cause and take sufficient corrective action to eliminate the visible emissions, fallout, or abnormal pressure drop readings within 24 hours or cease operations vented to the baghouse until the corrective action is completed.

DC Mill Baghouse

7. The exhaust stack from the DC Mill baghouse has to be vertical without a rain cap that would obstruct the exhaust flow.
8. The DC Mill baghouse shall be equipped with a carbon filter that meets a control efficiency of 99.9 percent or meet American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Standard 52.2. Minimum Efficiency Reporting Value (MERV) 15. Filtration efficiency information or MERV information shall be maintained to demonstrate compliance with the control efficiency requirement.
9. Particulate matter from the DC Mill baghouse shall not exceed 0.005 gr./dscf as measured by the average of three test runs (of at least 60 minutes each) using U.S. EPA Method 5 as modified by Puget Sound

SEP 17 2021

Clean Air Agency Board Resolution 540 dated August 11, 1983.

10. The DC Mill baghouse shall be inspected during each week of use while cutting operations are being performed. If visible emissions, fallout, or pressure drop outside the acceptable pressure drop range are observed, or if odors associated with the operation are detected outside of the building, operations shall be discontinued until appropriate corrective actions have been taken.

General

11. The owner or operator shall keep records of the inspections and actions required by Condition Nos. 5 and 10. The records shall at least include the following, but not limited to:
    a. The date of the observation;
    b. The name or initials of the person who conducted the observation;
    c. The results of the inspections including whether visible emissions or fallout were observed and, for the DC Mill baghouse, whether odors associated with the operation were detected outside of the building;
    d. The pressure drop across each baghouse during the inspection; and
    e. Corrective action conducted, if any, and the date and time it was conducted.
12. Records to be maintained by this Order of Approval shall be kept onsite for at least two years from the date of generation, and made available to Puget Sound Clean Air Agency personnel upon request.
13. This Order cancels and supersedes Order of Approval No. 8549, issued September 28, 2001, upon installation of the upgraded filter system in the DC Mill baghouse.

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.

for Maggie Corbin
Reviewing Engineer

John Dawson PE
John Dawson
Engineering Manager

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

Notice of Construction No.	**12201**
Original Order of Approval No.	**12103**
Registration No.	**20100**
Date	**JAN 0 7 2022**

One sub-slab depressurization system serving as an interim remedial action to mitigate indoor vapor intrusion of chlorinated compounds in soil and groundwater. This project includes five shallow vapor wells equipped with two granulated activated carbon adsorption vessels (200 lb of carbon each) in series that will be used to treat the contaminated vapors before being released into the atmosphere.

OWNER

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Kirkland, WA 98033

INSTALLATION ADDRESS

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2. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.

3. The owner or operator shall vent all vapors from the sub-slab depressurization (SSD) system to a minimum of two (2) 200-pound granulated activated carbon canisters arranged in series prior to discharge to the atmosphere.

4. The owner or operator shall ensure that the maximum SSD influent flow rate to the abatement system shall not exceed 85 standard cubic feet per minute (scfm).

5. At all times during operation of the SSD system, the abatement system shall meet one of the following VOC requirements, as applicable:

   a. $\geq$97% control efficiency if inlet VOC $\geq$ 200 ppmv, measured as hexane or its equivalent; or

   b. $\geq$90% control efficiency if inlet VOC < 200 ppmv, measured as hexane or its equivalent; or

   c. $\leq$10 ppmv at the outlet of the control device, measured as hexane or its equivalent.

6. Emissions of trichloroethylene (CAS #79-01-6) shall be limited to no greater than 0.425 pounds during any calendar quarter. Within 30 days of the end of each calendar quarter, the owner or operator shall calculate and record emissions of trichloroethylene in pounds during the quarter using the maximum influent flowrate and the concentration of trichloroethylene measured in accordance with Condition 7 during that quarter. If measurements are taken more than once in the calendar quarter, emissions shall be based on the maximum concentration measured.

7. At least once per calendar quarter, the owner or operator shall measure the flow rate, trichloroethylene and VOC concentrations at the inlet to the lead carbon vessel, the outlet of the lead carbon vessel and the

outlet of the final carbon vessel. The owner or operator shall use a handheld instrument capable of detecting concentrations at the levels expected, EPA Reference Method 8260B, EPA Method 8021, EPA Method TO-15 or other equivalent method approved by the agency.

8. Within 30 days of completing the measurements required in Condition 7, the owner or operator shall calculate and record the VOC control efficiency based on the inlet and exhaust concentrations if the VOC concentration at the outlet of the control device exceeds 10 ppmv, measured as hexane or its equivalent.

9. The owner or operator shall immediately change out the first carbon bed with unspent carbon upon breakthrough, defined as the detection at its outlet of the higher of the following:

   a. 10% of the inlet stream total VOC concentration to the carbon vessel.

   b. 10 ppmv (measured as hexane or its equivalent).

10. Spent carbon removed from the system shall be stored in closed containers prior to removal from the site.

11. The owner or operator shall maintain records of the following information:

    a. The flowrate and concentration measured at the inlet gas stream, outlet gas stream of the lead carbon vessel, and outlet gas stream of the final carbon vessel, as required by Condition 7.

    b. The control efficiency calculation results, as required by Condition 8 (if applicable).

    c. When changing out the carbon bed in the activated carbon vessels, the date change out occurred and identification of the carbon vessel(s) changed (first or second in series).

    d. Quarterly emissions of trichloroethylene.

12. The owner or operator shall report any non-compliance with any condition of this Order of Approval to the Agency no later than 30 days from the date in which it is first discovered. In the submittal, the owner or operator shall detail the corrective action taken and include data showing the exceedance and the date and time of the occurrence.

13. Records required to be maintained by this Order of Approval shall be kept for at least two years from the date of generation and be made available to Puget Sound Clean Air Agency personnel upon request.

14. Upon issuance, this Order cancels and supersedes Order of Approval No. 12103 issued on May 12, 2021.

Order of Approval for NC No. 12201

JAN 07 2022

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.

for Maggie Corbin
Reviewing Engineer

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