

April 26, 2022

Kevin Litterell  
Columbia Machine  
PO Box 8950  
Vancouver, WA 98661

RE: Final Air Discharge Permit for New Plasma Cutting Table

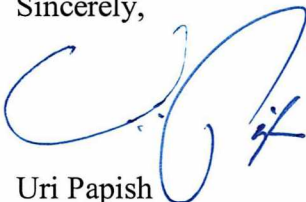
Dear Mr. Kevin Litterell:

A final determination to issue Air Discharge Permit (ADP) 22-3510 has been completed for ADP application CL-3186 pursuant to Section 400-110(4) of the General Regulations for Air Pollution Sources of the Southwest Clean Air Agency (SWCAA). Public notice for ADP application CL-3186 was published in the permit section of SWCAA's website on March 23, 2022. SWCAA did not receive a request for a public comment period in response to the public notice and has concluded that significant public interest does not exist for this determination. Therefore, a public comment period will not be provided for this permitting action. Electronic copies of ADP 22-3510 and the associated Technical Support Document are available for public review in the "Recent Air Discharge Permits" section under the "Air Permits" link on SWCAA's website (<http://www.swcleanair.gov>). Original copies are enclosed for your files.

ADP 22-3510 may be appealed directly to the Pollution Control Hearings Board (PCHB) at P.O. Box 40903, Olympia, Washington 98504-0903 within thirty (30) days of receipt as provided in Revised Code of Washington (RCW) 43.21B.

If you have any questions or comments, or desire additional information, please contact me or Vannessa McClelland at (360) 574-3058, extension 129.

Sincerely,



Uri Papish  
Executive Director

UP:vmn

Enclosure: Technical Support Document and Air Discharge Permit 22-3510





**SWCAA**  
Southwest Clean Air Agency

**AIR DISCHARGE PERMIT  
22-3510**

**Issued: April 26, 2022**

Columbia Machine, Inc.  
107 Grand Boulevard  
Vancouver, WA 98668

SWCAA ID – 321



REVIEWED BY:

*Clinton H. Lamoreaux*

Clinton Lamoreaux, Chief Engineer

APPROVED BY:

*Uri Papish*

Uri Papish, Executive Director

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**1. Equipment/Activity Identification**

<b>ID No.</b>	<b>Equipment/Activity</b>	<b>Control Equipment/Measure</b>
1	K3000 Plasma cutting system	Mist collector with Donaldson filter cartridges

**2. Permit Requirements**

The following tables detail the specific requirements of this Air Discharge Permit (ADP). In addition to the requirements listed below, equipment at this facility may be subject to other federal, state, and local regulations. The requirement number is identified in the left-hand column. The text of the requirement is contained in the middle column. The emission unit, equipment, or activity to which the requirement applies is listed in the right-hand column.

**Emission Limits**

<b>Req. No.</b>	<b>Emission Limits</b>	<b>Equipment/Activity ID No.</b>				
1.	Emissions from the K3000 mist collector and filter must not exceed:  <table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"><u>Pollutant</u></td> <td style="text-align: center;"><u>Emission Limit</u></td> </tr> <tr> <td style="text-align: center;">PM/PM<sub>10</sub>/PM<sub>2.5</sub></td> <td style="text-align: center;">0.75 tpy</td> </tr> </table> Emissions must be calculated consistent with Section 6 of the TSD for this ADP.	<u>Pollutant</u>	<u>Emission Limit</u>	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.75 tpy	1
<u>Pollutant</u>	<u>Emission Limit</u>					
PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.75 tpy					
2.	Visible emissions from the K3000 plasma cutter must not exceed zero percent (0%) opacity for more than three (3) minutes in any 1-hour period, as determined by a Certified Observer in accordance with SWCAA Method 9.	1				

**Operating Limits and Requirements**

<b>Req. No.</b>	<b>Operating Limits and Requirements</b>	<b>Equipment/Activity ID No.</b>
3.	Reasonable precautions must be taken at all times to prevent and minimize fugitive emissions from plant operations.	Facility-wide
4.	Operations that cause or contribute to a nuisance odor must use recognized good practice and procedures to reduce these odors to a reasonable minimum.	Facility-wide
5.	Emission units and activities identified in this ADP must be maintained and operated in total and continuous conformity with the conditions identified in this ADP. SWCAA reserves the right to take any and all appropriate action to maintain the conditions of this ADP, including directing the facility to cease operations until corrective action can be completed.	1

<b>Req. No.</b>	<b>Operating Limits and Requirements</b>	<b>Equipment/ Activity ID No.</b>
6.	Each pollution control device must be operated whenever the processing equipment served by that air pollution control device is in operation. Control devices must be operated and maintained in accordance with the manufacturer's specifications. Furthermore, air pollution control devices must be operated in a manner that minimizes emissions.	Facility-wide
7.	The exhaust stack from the K3000 plasma cutter mist collector must be vertical. Any rain cap which interferes with vertical discharge is prohibited.	1
8.	If stainless steel is cut by the K3000 plasma cutter, a HEPA filter must be added to the mist collector/Donaldson filter system for every instance that stainless steel is cut.	1

### Monitoring and Recordkeeping Requirements

<b>Req. No.</b>	<b>Monitoring and Recordkeeping Requirements</b>	<b>Equipment/ Activity ID No.</b>
9.	With the exception of data logged by a computerized data acquisition system, each record required by this ADP must include the date and the name of the person making the record entry, at minimum. If a control device or process is not operating, a record must be made to that effect.	Facility-wide
10.	All records required by this ADP must be kept for a minimum period of no less than three (3) years and must be maintained in a form readily available for inspection by SWCAA representatives.	Facility-wide
11.	Excess emissions and upset conditions must be recorded for each occurrence.	1
12.	Operational data for the K3000 mist collector must be recorded as follows: (a) Hours of operation Monthly (b) Cartridge replacement For each occurrence (c) Dates stainless steel is cut and HEPA filter is added For each occurrence (c) Maintenance and repair activities For each occurrence	1

### Emission Monitoring and Testing Requirements

None.

### Reporting Requirements

<b>Req. No.</b>	<b>Reporting Requirements</b>	<b>Equipment/ Activity ID No.</b>
13.	Upset conditions must be reported to SWCAA as soon as possible after discovery. Outside of normal business hours, upset conditions may be reported by email, fax, or leaving a telephone message with SWCAA.	Facility-wide

<b>Req. No.</b>	<b>Reporting Requirements</b>	<b>Equipment/ Activity ID No.</b>
14.	Excess emissions must be reported to SWCAA as follows: (a) As soon as possible, but no later than twelve (12) hours after discovery for emissions that represent a potential threat to human health or safety; (b) As soon as possible, but no later than forty-eight (48) hours after discovery for emissions which the Permittee wishes to claim as unavoidable pursuant to SWCAA 400-107(1); and (c) No later than thirty (30) calendar days after the end of the month of discovery for all other excess emissions.	Facility-wide
15.	Deviations from permit conditions must be reported no later than 30 days after the end of the month during which the deviation is discovered.	Facility-wide
16.	All air quality related complaints received by the Permittee must be reported to SWCAA within three (3) calendar days of receipt. Complaint reports must include the date and time of the complaint, the name and contact information (if available) for the complainant, the nature of the complaint, and any actions taken by the Permittee to address the complaint.	Facility-wide
17.	The following operations of the K3000 plasma cutter must be reported annually to SWCAA in written form by March 15 <sup>th</sup> of the previous year: (a) Annual hours of operation, and (b) Summary of emissions.	1

### 3. General Provisions

<b>Req. No.</b>	<b>General Provisions</b>
A.	For the purpose of ensuring compliance with this ADP, duly authorized representatives of SWCAA must be permitted access to the Permittee's premises and the facilities being constructed, owned, operated and/or maintained by the Permittee for the purpose of inspecting said facilities. These inspections are required to determine the status of compliance with this ADP and applicable regulations and to perform or require such tests as may be deemed necessary.
B.	The provisions, terms, and conditions of this ADP bind the Permittee, its officers, directors, agents, servants, employees, successors and assigns, and all persons, firms, and corporations acting under or for the Permittee.
C.	The requirements of this ADP survive any transfer of ownership of the source or any portion thereof.
D.	This ADP must be posted conspicuously at or be readily available near the source.
E.	Approval and associated ADP requirements for any new or modified equipment will be invalid, in whole or in part, if installation or modification of the affected equipment has not commenced within eighteen (18) months from date of issuance, is discontinued for a period of eighteen (18) months or more, or is not completed within a reasonable time.

<b>Req. No.</b>	<b>General Provisions</b>
F.	This ADP does not supersede requirements of other Agencies with jurisdiction and further, this ADP does not relieve the Permittee of any requirements of any other governmental Agency. In addition to this ADP, the Permittee may be required to obtain permits or approvals from other agencies with jurisdiction.
G.	Compliance with the terms of this ADP does not relieve the Permittee from the responsibility of compliance with SWCAA General Regulations for Air Pollution Sources, previously issued Regulatory Orders, RCW 70A.15, Title 173 WAC or any other applicable emission control requirements, nor from the resulting liabilities and/or legal remedies for failure to comply.
H.	If any provision of this ADP is held to be invalid, all unaffected provisions of the ADP will remain in effect and be enforceable.
I.	No change in this ADP will be made or be effective, except as may be specifically set forth by written order of SWCAA upon written application by the Permittee for the relief sought.
J.	SWCAA may, in accordance with RCW 70A.15, impose such conditions as are reasonably necessary to assure the maintenance of compliance with the terms of this ADP, the Washington Clean Air Act, and the applicable rules and regulations adopted under the Washington Clean Air Act.

