YAKIMA REGIONAL CLEAN AIR AGENCY

186 Iron Horse Court, Suite 101. Yakima, WA. 98901
Phone: (509) 834-2050 Fax: (509) 834-2060
Website: http://www.yakimacleanair.org

Filing Fee: $400.00*

***Pursuant to WAC 173-400-111(1) (e)-an application is not complete until the permit application filling fee required by YRCAA has been paid.**

OFFICAL USE ONLY

YRCAA NSR No: NSRP-10-MMA-25 Date Fee Paid: 7400.00

Received by: HW - hand delivered Filing Fee: **$400.00**

☐ YRCAA is the lead agency for the SEPA process. Processing Fee $400.00

Review of the application will not begin, until the application filling fee is paid. A surcharge fee for the time required for preparing and processing the application for approval will be invoiced after the permit to operate is issued.

New Source Review (NSR) Application General

Stationary/Permanent Source

INSTALLATION OR ESTABLISHMENT OF NEW AIR CONTAMINANT SOURCES

NSR Application is Required for Construction, Installation or Establishment of an Air Pollution Source
Or
Replacement or Substantial Alteration of Emission Control Technology on an Air Pollution Source or Equipment

I. General Information:

BUSINESS NAME Moxee Manufacturing & Assembly

NATURE OF BUSINESS Precision Metal Fabrication

MAILING ADDRESS P.O. Box 1247 Moxee, WA 98936 (62337)

FACILITY ADDRESS (if different): 7537 Postma Rd. Moxee, WA 98936

PHONE and FAX NUMBERS (509) 453-1663 Email: debbie@moxeemfg.com

TYPE OF PROCESS, EQUIPMENT, OR APPARATUS Amada ENSIS 12000 Fiber Laser with Amada/Camfil Dust Collector.

LIST OF AIR CONTAMINANT(S) WHICH WILL BE PRODUCED AND/OR CONTROLLED Metal fume from the Laser cutting of mild steel, aluminum and stainless steel.

ESTIMATED STARTING DATE: July 24, 2025

ESTIMATED COMPLETION DATE: August 28, 2025

RECEIVED
JUL 21 2025
By Hector V

Compliance with SEPA (State Environmental Policy Act) - Check One of the Options Below:

- ☐ A DNS or EIS has been Issued by Another Agency for this Project and a Copy is Attached.
- ☐ If no DNS or EIS Exists for this Project, a Completed Checklist for this Project and the SEPA Processing Fee are Attached. *YRCAA SEPA checklist is available by phone, or by our website.*
- ☐ The city/county has established an exemption for this project.
- ☒ I certify that the SEPA has been satisfied or this project is exempt:

7-21-25 *Date* by City of Moxee *Government Agency*

Previous NSR/Air Permits Number issued by YRCAA for the Facility, if any NSRP #11-FFI-16, NSRP #11-FFI-07, NSRP #18-FFI-13, NSRP-03-FFI-17 Facility, NSRP-04-FFI-18 NSRP-07-FWO-18, NSRP-08-FWO-19, NSRP-05-FOW-22

Describe Input to Output Process (Attach drawings, schematics, prints, or block diagrams) This process involves laser cutting of sheet metal into specific shaped parts in flat form. The process is performed in one location in the facility specifically to accommodate the equipment and associated emissions.

ESTIMATED COSTS: OF BASIC SOURCE EQUIPMENT $ 959,433.34

OF CONTAMINANT CONTROL APPARATUS $ Included in cost of source equipment.

Process: Production Output per Year (tons, pounds, etc) Mild Steel - 347,900 lbs/yr, Stainless - 2,583 lbs/yr,

Maximum Output per Hour (tons, pounds, etc) _____

Percentage of Production (%)

Dec - Feb 10% Mar – May 10%

Jun - Aug 10% Sep – Nov 10%

Operating Schedule: Hrs/Day 24 Days/Wk 7 Wks/Yr 52

II. Emissions Estimations and Calculations:

1. Criteria Pollutants (gr/dscf, tons/yr, lbs/hr., ppm, etc.)

Particulate (PM_{10},$PM_{2.5}$) _____

Volatile Organic Compounds _____

Nitrogen Oxides _____

Sulfur Oxides _____

Carbon Monoxide _____

Lead _____

2. Toxic Air Pollutants (Name) Quantity (in gr/dscf, tons/yr, lbs/hr. ppm, etc.)

_____	_____

3. Fugitive Pollutants (Source) — Quantity (in gr/dscf, tons/yr, lbs/hr. ppm, etc.)

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

4. Air Pollution Modeling

Results _____

Computer Printout Attached? ☐Yes ☐No

III. Emission Data:

1. Stack

Height (Feet)_____ Inside Diameter (feet)_____

Gas Exit Temp (degrees F)_____ Gas Exit Velocity (ft/min)_____

Flow Rate (cfm)_____

Shared Stack? If a shared stack, identify process (es) or point(s) which share the stack.

Distance from Stack to Property Line _____

2. Discharge Point or points (if no stack or other than stack)

Height (feet)_____ Inside Diameter (feet)_____

Gas Exit Temp (degrees F)_____ Gas Exit Velocity (ft/min)_____

Flow Rate (cfm) _____

Shared discharge point? If a shared discharge point, identify process (es) or point(s) which share the discharge point. _____

_____

Distance from discharge point to Property Line _____

3. Fuel

Type Electric and Laser Gases % Sulfur_____

% Ash_____ Unit of Measure (gal./cu.ft./etc.)_____

BTU per Unit of Measure_____Consumption Units per Year_____

Maximum Consumption Units per Hour _____

4. Building Dimensions

Height (feet) 18 Length (feet) 380 Width (feet) 150

IV. Air Pollution Control Equipment:

Baghouse

Type Dust Collector - Camfil FARR Model #, Serial # GSXP8-3000

Efficiency 99.97% @ .3 microns $PM_{2.5}$: _____ and PM_{10}: 99.97%

Bag Height (feet)_____ Bag Diameter (feet) _____

Filter Area (feet squared) 145.5 Blower Flow Rate (cfm)_____

Filter Media High Capacity HEPA, eXtreme Media .001 gr/dscf 2.3 mg/m3 Dimensions (feet)_____

Discharge Area Dimensions (feet)_____

Cleaning Mechanism (shake) (air psi) Air Psi

Other Data _____

Scrubber

Type_____ Model #, Serial #_____

Efficiency_____

Gas Differential Pressure (psi)_____ Liquor Differential Pressure (psi)_____

Liquor Flow (gpm)_____ Discharge Area Dimensions ($feet^2$)_____

Gas Flow (cfm)_____ Other Data_____

Cyclone

Type_____ Model #, Serial #_____

Efficiency _____ $PM_{2.5}$: _____ and PM_{10}: _____

Gas Flow (cfm)_____ Discharge Area Dimensions ($feet^2$) _____

Other Data _____

Precipitator

Type_____ Model #, Serial #_____

Efficiency_____

Gas Flow (cfm)_____ Gas Velocity (ft/sec)_____

Residence Time _____ Gas Differential Pressure (psi)_____

Precipitation Rate (ft/sec)_____ Discharge Area Dimensions ($feet^2$)_____

Other Data _____

Ad/Absorp

Type_____ Model #, Serial #_____

Efficiency_____

Gas Flow_____ Gas Velocity (ft/sec)_____

Gas Temp (degree F)_____ Bed Volume (ft^3)_____

Bed Dimensions (feet)_____ Capacity (hours)_____

Contaminant (lb/day)_____ Regeneration time (hours)_____

Other Type _____ Model #, Serial #_____

Efficiency _____

Gas Flow (cfm)_____ Discharge Area Dimensions (feet)_____

Other Data _____

V. Additional Information:

1. Attach Related Information on Chemicals or Materials that will be emitted. (MSDS Sheets, Company Information, etc.)

   Note: Indicate how much quantity are used per MSDSs

   ☐ Yes ☐ No, if not why? _____

   _____

2. Fugitive Dust Control Plan (Attach if Necessary)
3. Attach Operation and Maintenance Manual of Pollution Control Equipment.

   ☒ Yes ☐ No, if not, why? _____
4. Attach Vendor Information or Manufacturer's Instructions on Pollution Control Equipment.

   ☒ Yes ☐ No, if not, why? _____

APPLICANT: I hereby certify that the information contained in this application, including supplemental forms and data, when required, is, to the best of my knowledge, complete and correct. I also agree to all fees for processing this permit and grant permission for YRCAA staff to enter the premises for inspection.

Signature _____ Date 7/17/25

Title CEO Date _____

Name and Title of Individual Filling out Form:

Name (print) Deborah Dougherty

Signature Deborah Dougherty

Name and Title of Contact Person, if Different than Above:

Name _____

Title _____

Name and Title of the Responsible Official for the permit, if Different than Above:

Name _____

Title CEO

Yakima Regional Clean Air Agency
INSTRUCTIONS FOR PERMIT APPLICATION

Use this sheet as a checklist to determine when your application is substantially complete.

☛ Each PERMIT APPLICATION for the construction, installation or establishment of a new air contaminant source, or modification of existing air pollution source or control equipment or permit, needs to be accompanied by the following information to be considered complete:

Included	N/A	
☒	☐	Process flow sheets and equipment layout diagrams.
☒	☐	Control equipment manufacturer, model number, size, serial numbers (for each piece of control equipment).
☒	☐	Quantify average and maximum hourly throughput values, average yearly totals, and maximum concentrations for each pollutant.
☒	☐	Applicant's calculation of the kinds and amounts of emissions for each emission point, materials handling operation or fugitive category (both controlled and uncontrolled).
☒	☐	Plot plan including identification of proposed emission points to the atmosphere, distance to property boundaries, height of buildings and stack height above ground level.
☒	☐	Identification of raw materials and/or product specifications (physical and chemical properties) and typical ranges of operating conditions as related to each emission point (toxic air contaminants require a separate summary); Material Safety Data Sheets (MSDS) should be included in the PERMIT APPLICATION for all compounds used.
☒	☐	Identification of the methods/equipment proposed for prevention/control of emissions to the atmosphere.
☒	☐	Information sufficient to demonstrate the ability of the emission controls proposed as being consistent with those provided in the applicable regulations (BACT/NSPS/RACT/NESHAPS/LAER analysis). See attached worksheet for typical layout of BACT analysis information.
☐	☒	The kinds and amounts of emission offset credits proposed for assignment when operations are within a non-attainment boundary (see WAC 173-400-120 and 131).
☐	☒	Estimates of the proposed project ambient impact under average and least favorable conditions where pertinent to PSD (WAC 173-400-720) or Toxic Air Pollutants (WAC 173-460) requirements.
☐	☒	Additional information, evidence, or documentation as required by the Board of Directors, or the Control Officer, to show that the proposed project will meet federal, state and local air pollution control regulations.
☐	☒	For applications that include equipment that has previously been approved, authorized or registered, a lapse is considered to have occurred if the registration fees are delinquent for more than one calendar year or the source has not operated within five years prior to the receipt of any required PERMIT APPLICATION (WAC 173-400-110).
☐	☒	Applications that include previously approved or authorized equipment require that additional information regarding previous owners or approvals be provided so that YRCAA records can be updated. Equipment registered and/or approved for a given company cannot be authorized without a legal name change, purchase of company or equipment, or a legal contract or subcontract to do business with or for the approved source. Responsibility for operation of authorized equipment rests with the registered source.
☒	☐	All applications need to be accompanied with a completed SEPA checklist or SEPA determination. YRCAA may process the SEPA determination, if no other agency has done it. In this case a SEPA checklist with the proper fees must be submitted with the NSR application.

☛ The application transmittal shall conform to YRCAA review requirements wherever possible as detailed in the General Regulations for Air Pollution Sources (WAC 173-400).

☛ Each drawing, document, or other form of transmittal considered by the applicant to be proprietary and confidential must be suitably identified as confidential in red ink, and signed and dated by the applicant or its agent. Be aware that YRCAA follows the requirements in 40 CFR 2 for determination of confidentiality. YRCAA may not process company sensitive information as confidential.

☛ Orders of Approval (to construct, modify, or install) are issued for specific equipment or processes described in the application. Changes to the processes or control equipment are not allowed without new source review (Permit Application and Permit) if these changes result in an emission of a different type or an increase in emissions (WAC 173-400-110). Process equipment changes that result in decreased emissions require notification to YRCAA.

☛ The SIC code is identified as the four digit major group classification in the 1987 Standard Industrial Code Classification Manual listing of SIC codes can be obtained for free from the internet.

☛ Mail or deliver in person the completed application package to:

Yakima Regional Clean Air Agency
186 Iron Horse Court, Suite 101
Yakima, WA 98901-2303

☛ **Application fees must accompany application for the application to be considered complete. An invoice will be sent out for the Engineering review after final decision on the application. Make checks payable to "Yakima Regional Clean Air Agency" or "YRCAA".**

☛ **The PERMIT APPLICATION package submitted must be complete. All applications are screened for completeness before processing. Applicants submitting incomplete application packages will be notified of their incomplete status and may result in a delay in processing the application.**

Yakima Regional Clean Air Agency

PERMIT APPLICATION / NEW SOURCE REVIEW

BACT ANALYSIS WORKSHEET

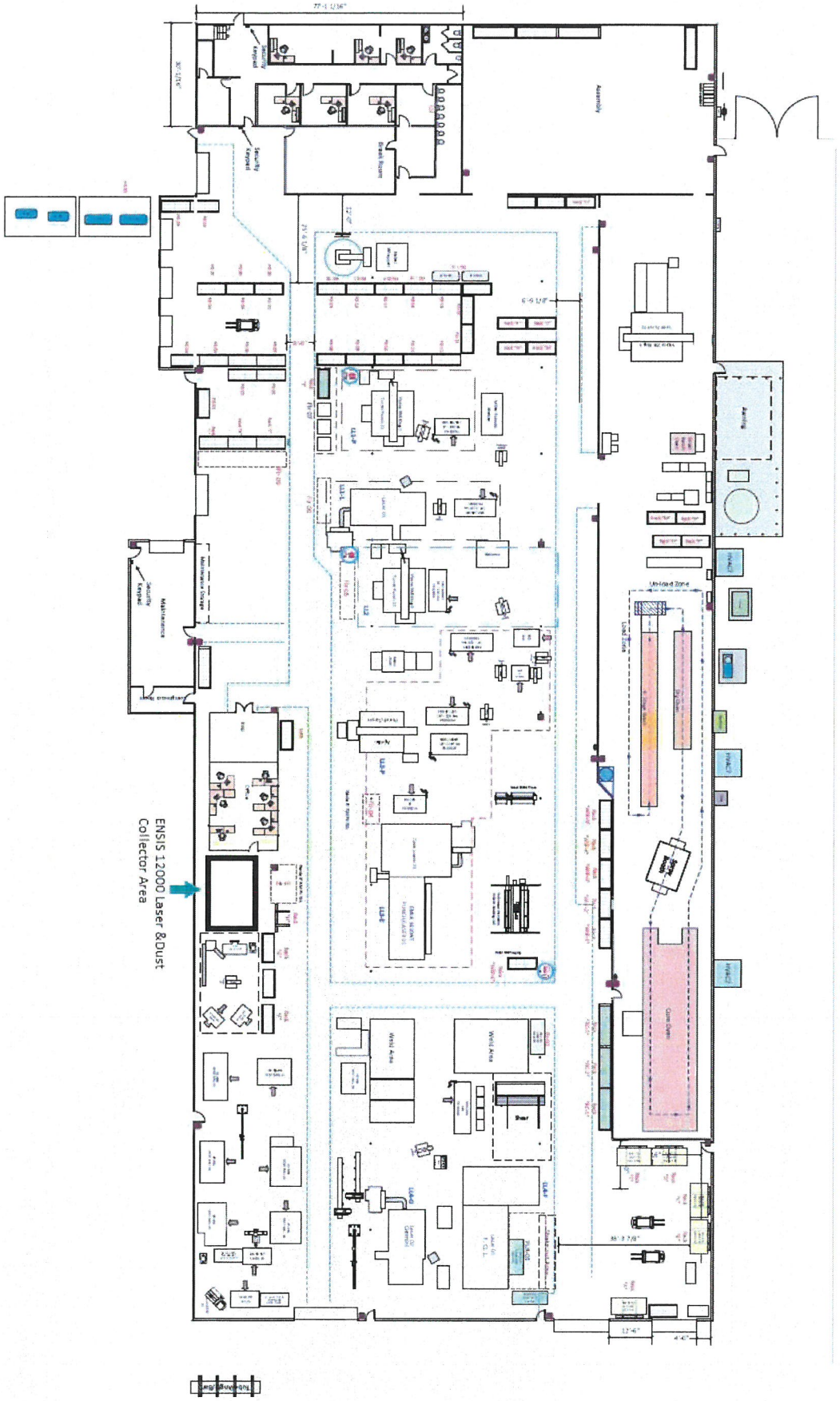
Facility Name: _____ **Date:** _____

CONTROL ALTERNATIVE	EMISSIONS [lbs/hr] & [tons/yr]	EMISSIONS REDUCTION (a) [tons/yr]	INSTALLED CAPITAL COST (b) [$]	TOTAL ANNUALIZED COST (c,g) [$]	AVERAGE COST EFFECTIVENESS OVER BASELINE (d) [$/ton]	INCREMENTAL COST EFFECTIVENESS (e) [$/ton]	ENERGY INCREASE OVER BASELINE (f) [mmBtu/yr]	TOXICS IMPACT [Yes/No]	ADVERSE ENVIRONMENTAL IMPACT [Yes/No]
1)									
2)									
3)									
4)									
5) Uncontrolled Baseline (worst case - no controls)									

(a) Emissions reduction over baseline control level.
(b) Installed capital cost relative to baseline.
(c) Total annualized cost (capital, direct, and indirect) of purchasing, installing, and operating the proposed control alternative. A capital recovery factor approach using a real interest rate (i.e., absent inflation) is used to express capital costs in present-day annual costs.
(d) Average cost effectiveness over baseline is equal to total annualized cost for the control option divided by the emissions reductions resulting from the uncontrolled baseline.
(e) The optional incremental cost effectiveness criterion is the same as the average cost effectiveness criteria except that the control alternative is considered relative to the next most stringent alternative rather than the baseline control alternative.
(f) Energy impacts are the difference in total project energy requirements with the control alternative uncontrolled baseline expressed in equivalent millions of Btus per year.
(g) Assumptions made on catalyst life may have a substantial affect upon cost effectiveness.

Notes:

The number of alternatives to be evaluated will vary depending on application.
Values for each variable should be provided as they are applicable. Use N/A if not applicable.
Emission rates are the expected or predicted emission rates.
Calculations should provide for a range of alternatives.
Emissions reduction should use estimated efficiency if actual efficiency is unknown - should so state.
Attach worksheets as necessary to substantiate above values.


ENSIS 12000 Laser &Dust
Collector Area