OLYMPIC REGION CLEAN AIR AGENCY

2940 Limited Lane NW - Olympia, Washington 98502 - 360-539-7610 – Fax 360-491-6308

FORM 1- NOTICE OF CONSTRUCTION

TO CONSTRUCT - INSTALL - ESTABLISH OR MODIFY AN AIR CONTAMINANT SOURCE

Form 1 Instructions:

1. Please complete all the fields below. **This NOC application is considered incomplete until signed.**
2. If the application contains any confidential business information, please complete a Request of Confidentiality of Records (www.orcaa.org/forms).
3. Duty to Correction Application: An applicant has the duty to supplement or correct an application. Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application must, upon becoming aware of such failure or incorrect submittal, promptly submit supplementary factors or corrected information.

Business Name: Washington Corrections Center	**For ORCAA use only**
Mailing Address: PoBox 900 Shelton WA 98584	File No: 531 County No: 45 Source No: 7 Application No: 45 NOC 1733
Physical Address of Project or New Source: 2321 west dayton airport road, shelton wa 98584	Date Received: Received NOV 03 2025 ORCAA
Billing Address: PoBox 900 Shelton WA 98584	

Project or Equipment to be installed/established:

Thermal Cutting Table

Commence construction date: 12/24 2024 Is facility currently registered with ORCAA? Yes ☑ No ☐

This project must meet the requirements of the State Environmental Policy Act (SEPA) before ORCAA can issue final approval. Indicate the SEPA compliance option:

- ☐ SEPA was satisfied by ________________ (government agency) on ___/___/___ (date) - Include a copy of the SEPA determination
- ☐ SEPA threshold determination by ________________ (government agency) is pending - Include a copy of the environmental checklist
- ☑ ORCAA is the only government agency requiring a permit - Include ORCAA Environmental Checklist
- ☐ This project is exempt from SEPA per ________________ (WAC citation).

Name of Owner of Business: Washington Corrections Center		Agency Use Only
Title: Plant Manager 3 Jordan Kettel		
Email: Jckettel@doc1.wa.gov	Phone: 360-432-7971	
Authorized Representative for Application (if different than owner):		
Title:		
Email:	Phone:	
I hereby certify that the information contained in this application is, to the best of my knowledge, complete and correct.		
Signature of Owner or Authorized Representative: (sign in Blue Ink)		
[signature]	Date: 10/21/25	

IMPORTANT: Do not send via email or other electronic means. ORCAA must receive Original, hardcopy, signed application and payment prior to processing application.

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FORM 31
Thermal Metal Cutting

GENERAL INFORMATION

Source Name/Address: Washington Corrections Center 2321 west dayton airport road, shelton wa 98584	Contact Person: Jordan Kettel Phone Number: 360-432-7971 Email: Jckettel@doc1.wa.gov

EQUIPMENT INFORMATION

1. Provide as much information as is readily available
2. Use additional pages if necessary.
3. Call ORCAA if you need assistance - (360) 586-1044

CUTTING PROCESS EQUIPMENT

Equipment Type	Number of units		Specifications:			
	Portable	Stationary	Manufacturer/Model #	Fuel type	Plasma Gas	Capacity/Rating (amps)
Oxy-acetylene						
Plasma Arc		1	Hypertherm powermax 65		X	65
Laser						
Other (describe below)		1	samson 510 cutting table			

AIR POLLUTION CONTROL METHOD

Equipment Type
- ☐ Downdraft Table
- ☐ Water Table
  - ___ Submerged cutting
  - ___ Semi-dry
- ☐ Cartridge filter
- ☐ Baghouse
- ☐ Electrostatic Precipitator (ESP)
- ☑ Other (describe below)
- ☐ None

Stack Data:
No stack ____
Stack Height (from ground): 10ft
Stack Inside Diameter: 4'x6'
Bldg. Peak Height: 25'
Bldg. Width: ____
Bldg. Length: 57,350 sq ft

Specifications:
Manufacturer/Model # ____
Control Efficiency (%) ____
ACFM ____
For water table: Maximum height of work above water level ____

OTHER EQUIPMENT

Equipment Type
Hood is connected to ducting which is connected to fan then exhausted out of the building.

Specifications:

I hereby certify that the above information is, to the best of my knowledge, complete and correct.

Signature ____

Date 10/22/25

Workflow for WCC Thermal Cutting Table

Work order or Project
received

Materials
purchased or
chosen from
stocked materials

Parameters for parts to be cut / design phase on computer

Stock then loaded on cutting table and positioned to maximize use of material

The computer then runs the program and cuts out design that had been loaded into the system

The finished material is the removed form the cutting table and finished and used

Workflow for WCC Thermal Cutting Table


Location of cutting table in G bldg

FORM 6
BACT ANALYSIS TABLE

CONTROL OPTION	UNCONTROLLED EMISSION RATE[1] (lbs/hr)	CONTROL EFFICIENCY (% removal)	ANNUAL EMISSION REDUCTIONS[2] (tons)	ANNUALIZED COST RANGE[3] (range $)	RANGE OF COST EFFECTIVENESS ($/ton)	ENERGY, ENVIRONMENTAL ECONOMIC IMPACTS[4] (y/n,)
1. Securing the machine when not in use		100				
2. limited use, only when needed						
3.						
4.						
5.						

[1] Attach emissions calculations to support uncontrolled emissions rates.
[2] Expected annual emissions reductions should be based on expected operations considering startups, shutdowns, maintenance downtime and effectiveness of the control option under each scenario. All calculations and assumptions should be documented.
[3] Attach economic analysis calculations.
[4] Attach explanation and quantification of any claimed environmental or energy impacts.

INSTRUCTIONS
FORM 5: EMISSIONS OF HAZARDOUS AIR POLLUTANTS

Emissions estimates should be based on the maximum potential to emit. **"Potential to emit"** means the maximum capacity to emit air contaminants under physical and operational design limitations.

Emission rates or factors used in calculating annual potential emissions may be based on mass balance calculations, source test results, vendor guaranteed emission rates or concentrations, EPA approved emission factors from the EPA publication Compilation of Air Pollutant Emission Factors, Volume I: Stationary Point and Area Source (AP-42), or other basis as approved by ORCAA. All data, assumptions, and calculations used in calculating potential emissions must be documented and included with the NOC application as an attachment. The following detailed instructions apply:

1. Please attach Material Safety Data Sheets (MSDS) for all materials used which directly or indirectly cause emissions of hazardous air pollutants such as resins, paints, solvents, cleaners, and fuels.

2. For emission rates based on source test information, please provide a one page summary of the source test results which includes the name of the testing firm, the test date, and reference to the methods used.

3. For emission estimates based on vendor guarantees, please provide a signed and dated copy of the guarantee from the vendor.

4. For calculated emissions rates, please provide details of all assumptions, operational data, calculations, and other pertinent information used in calculating the annual emissions.

FORM 5
EMISSIONS OF HAZARDOUS AIR POLLUTANTS

Facility:______________________________ Emission Unit ID#:_____________ Page ___ of___

Pollutant Name	CAS #	Maximum Emission Rate (lbs/hr)	Annual Emission Rate (tons/yr)
Facility Total			

FORM 4
FACILITY EMISSIONS SUMMARY

Facility: WA CORRECTIONS CENTER Page of

Instructions: on back.

Emission Unit ID#	TSP	PM-10	SOx	NOx	VOC	CO
					.105	
Facility Total						

INSTRUCTIONS
FORM 4: FACILITY EMISSIONS SUMMARY

Provide estimates of emissions of all criteria pollutants in tons per year. Emissions estimates should be based on the maximum potential to emit. **"Potential to emit"** means the maximum capacity to emit air contaminants under physical and operational design limitations.

Emission rates or factors used in calculating annual potential emissions may be based on source test results, vendor guaranteed emission rates or concentrations, EPA approved emission factors from the EPA publication Compilation of Air Pollutant Emission Factors, Volume I: Stationary Point and Area Source (AP-42), or other basis as approved by ORCAA. All data, assumptions, and calculations used in calculating potential emissions must be documented and included with the NOC application as an attachment. The following detailed instructions apply:

1. For emission rates based on source test information, please provide a one page summary of the source test results which includes the name of the testing firm, the test date, and reference to the methods used.

2. For emission estimates based on vendor guarantees, please provide a signed and dated copy of the guarantee from the vendor.

3. For calculated emissions rates, please provide details of all assumptions, operational data, calculations, and other pertinent information used in calculating the annual emissions.