



Moyata Anotta &lt;anottam@gmail.com&gt;

**NW Metals ACDP Application**

28 messages

**GRAIVER David** <David.Graiver@state.or.us>

Wed, Dec 4, 2019 at 3:09 PM

To: Moyata Anotta &lt;anottam@gmail.com&gt;, "nwmetalsinc@gmail.com" &lt;nwmetalsinc@gmail.com&gt;

Cc: BROWN Courtney &lt;Courtney.BROWN@state.or.us&gt;, HOFFMAN Matt &lt;Matt.Hoffman@state.or.us&gt;, DECONCINI Nina &lt;Nina.DECONCINI@state.or.us&gt;, DIETRICH Steve &lt;Steve.Dietrich@state.or.us&gt;

Mr. Anotta

DEQ received a General ACDP application from NW Metals along with payment of \$1,440. The facility is required to operate under a Simple ACDP. The application forms for a Simple ACDP can be found at <https://www.oregon.gov/deq/aq/aqPermits/Pages/ACDP-Simple.aspx>.

You will need to fill out the following forms: AQ101, AQ102, AQ210, AQ230, AQ402, AQ403, and AQ404. Some explanation is provided below and full instructions are available in the "Application Guidelines Document" in the link I provided above.

- \* AQ101 – This is a basic administrative information sheet and needs to be completely filled out.
- \* AQ102 – Provide a description of your process
- \* AQ210 – Provide information on the engine that powers the shredder
- \* AQ230 – Provide information on the shredder

AQ402 – You can submit the attached PTE excel sheet in lieu of this form. If any of the yellow highlighted cells are incorrect, put in the correct values and provide documentation to support the updated values.

AQ403 – You can submit the attached PTE excel sheet in lieu of this form. If any of the yellow highlighted cells are incorrect, put in the correct values and provide documentation to support the updated values.

AQ404 – Fill this out

Attached is the fee table showing fees due with a new Simple permit application and subtracting the previously submitted payment of \$1,440. The amount still due is \$11,980 to be submitted with the Simple ACDP application.

A completed application must be submitted to DEQ by December 13, 2019.

David Graiver, P.E.\*

[Graiver.David@deq.state.or.us](mailto:Graiver.David@deq.state.or.us)

Oregon Department of Environmental Quality

**Air Quality Division**

**Administrative Information**

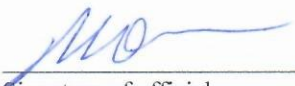
This form is for Simple, Standard, or Construction Air Contaminant Discharge Permit (ACDP) applications for new permits, renewals and modifications. The applicant must submit **TWO** copies of this and all other required permit forms. If fees are required, submit the application along with the fees to:

**Oregon Department of Environmental Quality  
Financial Services - Revenue Section  
700 NE Multnomah Street, Suite 600  
Portland, Oregon 97232 - 4100**

If fees are not required, submit the application to the appropriate Regional Office where the facility is located.

1. **Company:** Enter the legal name of the company as registered with the [State of Oregon Corporations Division](#) and mailing address. Also, enter the number of employees for the corporation.
2. **Facility Location:** Enter the common name of the facility and address if different from the information provided in question one. If the common name is the same, enter "same".
  - Provide the location (i.e., the street address) for the facility. If the facility is not located on a street, provide other directional information such as nearby cross streets (i.e., northwest of Third Avenue at Howard Street). If the facility is located in an industrial park, provide the name and address of the park.
  - Provide the city name, county, and zip code. If the facility is located in an unincorporated area of a county, enter "unincorporated" and identify the nearest incorporated municipality.
  - Provide the number of employees that work at the facility location.
3. **Site Contact Person:** Provide the following information of the individual to contact regarding this permit application.
  - Enter the name of the individual
  - Enter the title of the individual.
  - Enter the area code and telephone number of the individual.
  - Enter the area code and facsimile (FAX) number, if available.
  - Enter the Email address, if available.
4. **Industrial Classification Code:**
  - Enter the appropriate Standard Industrial Classification (SIC) code and North American Industry Classification System (NAICS) code for the facility. There could be more than one primary SIC or NAICS. A secondary SIC or NAICS would be for other supporting activities at the facility, such as a steam process boiler.
  - If this facility is owned and/or operated by a governmental entity, specify the type of entity (e.g., city, county, state, federal, tribal) and the relationship of that entity to the facility (e.g., "owner," "operator," "owner and operator").
5. **Other DEQ permits:** Identify any DEQ solid waste, stormwater, water, and hazardous waste permits issued to the facility (e.g., National Pollution Discharge Elimination System [NPDES] Waste Discharge Permit 100797, etc.).
6. **Permit Action:** Put an X for the appropriate permit action for this application. If this is a renewal of an existing permit and there are no changes to the permit (i.e., changes to equipment or production rates), then the applicant just needs to submit form AQ101. If there are changes to the permit, then the applicant will need to submit any applicable forms to describe the changes. Applications for renewal of a Standard ACDP must include [form AQ403](#). Please refer to the [instructions for AQ403](#).
7. **Signature:** The ACDP application must be signed. The application should be signed by the official responsible for the facility's compliance with air quality regulations and knowledgeable of the contents of this application. The official might be the owner, the plant manager, the head of environmental affairs, etc.

DEQ USE ONLY	
Permit Number:	Type of Application:
Application No:	RNW ___ MOD ___ NEW ___
Date Received :	
Regional Office:	Check No.                      Amount \$

<b>1. Company</b>			<b>2. Facility Location</b>		
Legal Name: NW METALS INC			Name: NW METALS INC		
Mailing Address: 7600 NE KILLINGSWORTH ST			Street Address: 7600 NE KILLINGSWORTH ST		
City: PORTLAND	State: OR	Zip Code: 97218	City: PORTLAND	County: Multnomah	Zip Code: 97218
Number of employees (Corporate):			Number of employees (Facility):		
<b>3. Industrial Classification Code(s)</b>			<b>4. Other DEQ Permits</b>		
Primary SIC and NAICS: 5015					
Secondary SIC and NAICS: 5093					
<b>5. Permit Action:</b>					
<input type="checkbox"/> Short Term Activity ACDP <input checked="" type="checkbox"/> New Simple ACDP <input type="checkbox"/> New Construction ACDP <input type="checkbox"/> New Standard ACDP <input type="checkbox"/> New Standard ACDP (PSD/NSR) <input type="checkbox"/> Renewal of an existing permit without changes (include form AQ403 for Standard ACDPs) <input type="checkbox"/> Renewal of an existing permit with changes (include any other necessary forms and form AQ403 for Standard ACDPs) <input type="checkbox"/> Modification of existing permit					
<b>6. Signature</b>					
I hereby apply for permission to discharge air contaminants in the State of Oregon, as stated or described in this application, and certify that the information contained in this application and the schedules and exhibits appended hereto, are true and correct to the best of my knowledge and belief.					
MOYATA ANOTTA			SECRETARY 503-367-6955		
Name of official (Printed or Typed)			Title of official and phone number		
			02/11/2020		
Signature of official			Date		

**Fee Information**  
 (Make check payable to DEQ)

Note: The initial application fees and annual fees specified below (OAR 340-216-8020, Table 2, Parts 1, 2 and 3) are only required for initial permit applications. These fees are not required for an application to renew or modify an existing permit. The appropriate specific activity fee(s) specified below (OAR 340-216-8020, Table 2, and Part 4) applies to permit modifications or may be in addition to initial permit application fees.

OAR 340-216-8020, Table 2, Part 1 – Initial Permitting Application Fees:		
Short Term Activity ACDP	<input type="checkbox"/>	\$3,600.00
Simple ACDP	<input checked="" type="checkbox"/>	\$7,200.00
Construction ACDP	<input type="checkbox"/>	\$11,520.00
Standard ACDP (PSD/NSR)	<input type="checkbox"/>	\$14,400.00
Standard ACDP (Major NSR or Type A State NSR)	<input type="checkbox"/>	\$50,400.00
OAR 340-216-8020, Table 2, Part 2 – Annual Fees:		
Simple ACDP – Low fee class	<input type="checkbox"/>	\$2,304.00
Simple ACDP – High fee class	<input checked="" type="checkbox"/>	\$4,608.00
Standard ACDP	<input type="checkbox"/>	\$9,216.00
OAR 340-216-8020, Table 2, Part 3 – Cleaner Air Oregon Annual Fees:		
Simple ACDP - Low fee class	<input type="checkbox"/>	\$806.00
Simple ACDP - High fee class	<input checked="" type="checkbox"/>	\$1,612.00
Standard ACDP	<input type="checkbox"/>	\$3,225.00
OAR 340-216-8020, Table 2, Part 4 – Specific Activity Fees:		
Non-Technical Permit Modification	<input type="checkbox"/>	\$432.00
Basic Technical Permit Modification	<input type="checkbox"/>	\$432.00
Simple Technical Permit Modification	<input type="checkbox"/>	\$1,440.00
Moderate Technical Permit Modification	<input type="checkbox"/>	\$7,200.00
Complex Technical Permit Modification	<input type="checkbox"/>	\$14,440.00
Major NSR or type A State NSR Permit Modification	<input type="checkbox"/>	\$50,400.00
Modeling review (outside Major NSR or type A State NSR)	<input type="checkbox"/>	\$7,200.00
Public Hearing at Source's Request	<input type="checkbox"/>	\$2,880.00
State MACT determination	<input type="checkbox"/>	\$7,200.00
Compliance Order Monitoring	<input type="checkbox"/>	\$144.00/month
<b>Total Fees:</b>		<b>\$ 13,420.00</b>

~~1,440.00~~  
11,980.00 due

**1. Company Information:**

Legal Name: NW METALS INC	Other company name (if different than legal name):
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**2. Site Contact Person:**

(A person who deals with DEQ staff about equipment problems.)

Name: MOYATA ANOTTA	Telephone number: 503-367-6955	Fax: 971-229-0369
Title: SECRETARY	Email address: ANOTTAM@GMAIL.COM	
Mailing address: 7600 NE KILLINGSWORTH ST	City, State, Zip Code PORTLAND OR 97218	

**3. Facility Contact Person:**

(If other than the site contact person, a person involved with all environmental issues at the facility although they may be housed at a different site.)

Name:	Telephone number:	Fax:
Title:	Email address:	
Mailing address:	City, State, Zip Code	

**4. Mailing Contact Person:**

(If other than the site contact person, a person to whom the company would like all agency communications directed.)

Name:	Telephone number:	Fax:
Title:	Email address:	
Mailing address:	City, State, Zip Code	

**5. Invoice Contact Person:**

(If other than the site contact person, a contact to which invoices and communications related to resolving invoice questions can be directed.)

Name:	Telephone number:	Fax:
Title:	Email address:	
Mailing address:	City, State, Zip Code	



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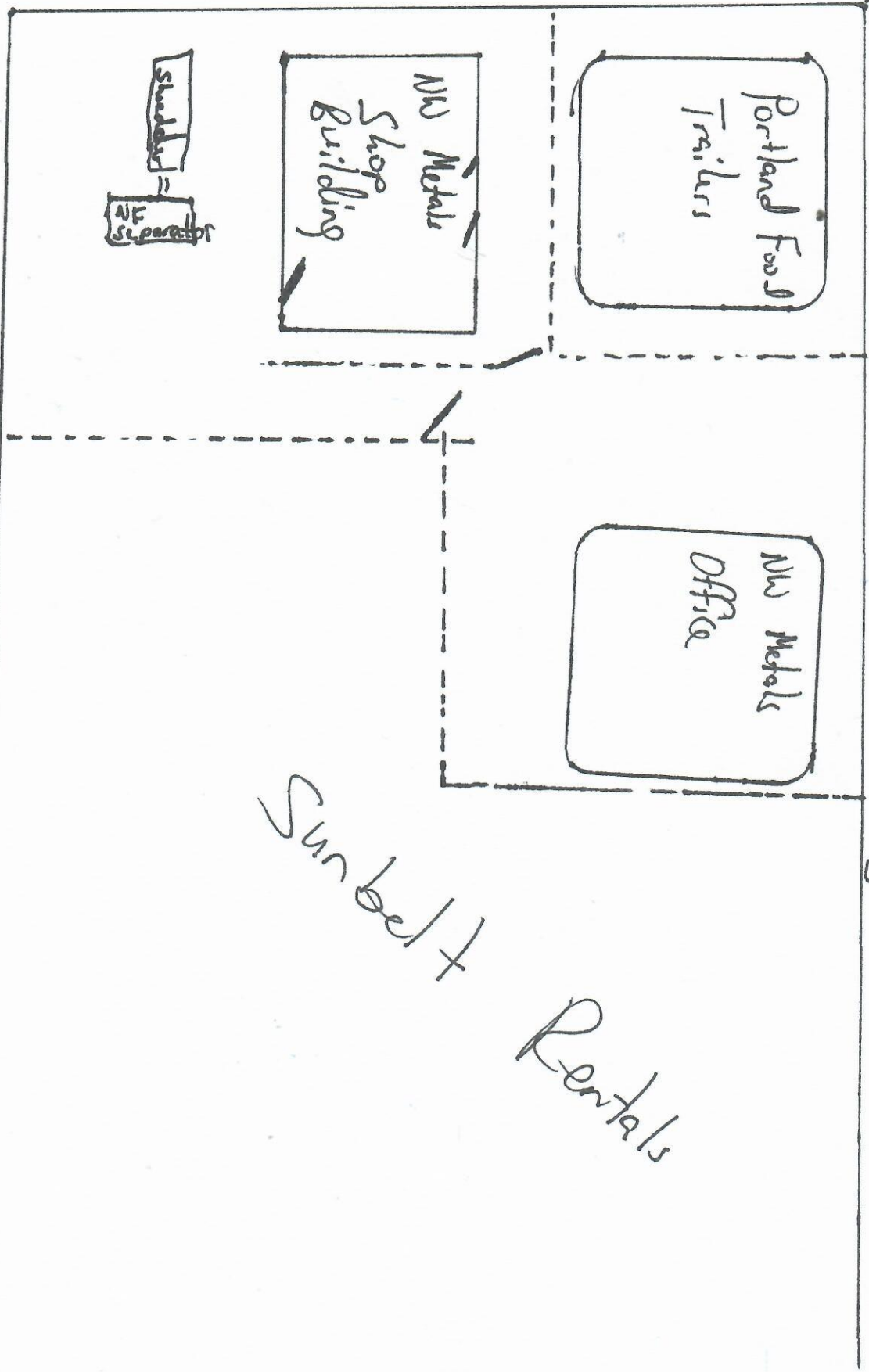
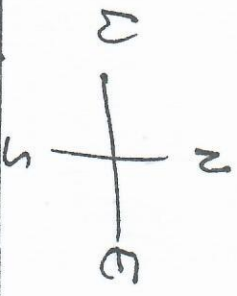
## Facility Description

### Instructions

1. Provide a text description of the facility processes. In describing the facility and in preparing the permit application, the applicant should always remember that the permit should be written to cover the facility as it will operate for the future permit term. A permit term is five or ten years depending on the type of permit issued. Providing information on future operations now may prevent the need for the additional cost of permit modifications in the future. The applicant should provide the information requested below.
  - A description of the current processes that emit air pollutants;
  - The fuels used and products produced in these processes;
  - If this application is for a permit modification, a discussion of the proposed modification;
  - If this application is for a renewed ACDP, a description of any anticipated modifications to the facility's existing processes during the pending permit term that the ACDP will need to address; and
  - If this application is for an initial or renewed ACDP, a description of any anticipated construction at the facility during the pending permit term that the ACDP will need to address.
2. Attach a plot plan showing the location of all stacks and vents through which regulated pollutants are released to the atmosphere.
3. Attach a process flow diagram which shows the air pollutant emitting processes at the facility. The applicant should ask the DEQ permit writer about the level of detail that is required. The diagram should illustrate the following:
  - All regulated air pollutant-emitting devices and processes at the facility, labeled with the same identification numbers that the applicant assigned them in Form Series AQ200.
  - Flow routes of contaminated air from processes to emission control equipment and emission points.
  - All air pollution control devices at the facility, labeled with the same identification numbers that the applicant assigned them in Form Series AQ300.
  - The location of all stacks and vents through which regulated pollutants are released to the atmosphere.
  - Any materials handling activities that emit regulated pollutants (e.g., loading crushed rock, storage piles, etc.) not addressed in a Device/Process Form (series AQ200).
  - Any fuel storage and piping systems on the facility property.
4. Attach a city map or drawing showing the facility location, property lines and its relation to nearby (i.e., within 1 mile) sensitive receptors such as residential areas, hospitals, schools, etc. If the facility is located in a rural area, the applicant should note distances on approaching roads and also mark the location of landmarks.

Plot Plan

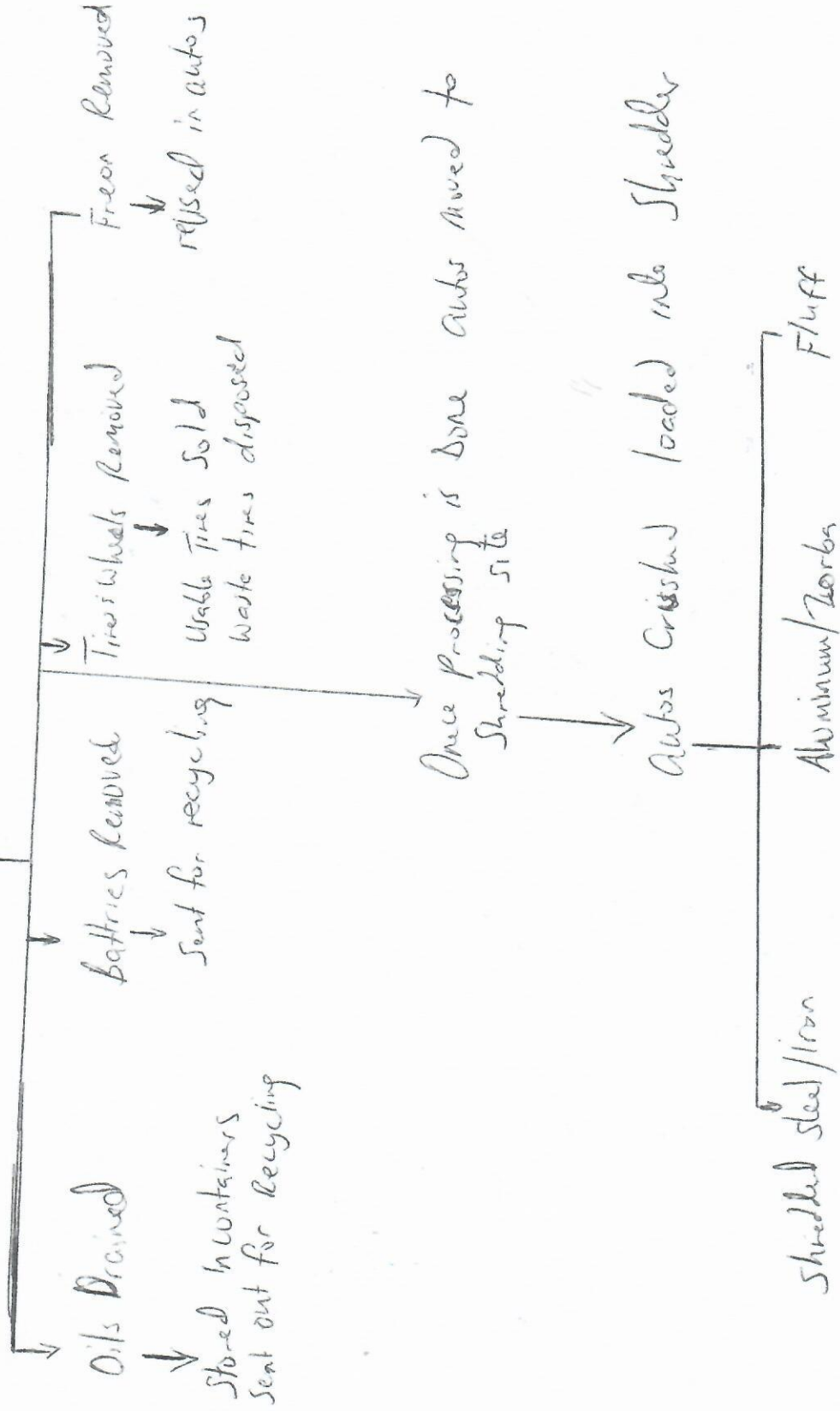
Killingsworth St



Sunbelt

Rentals

# Scrap/Auto Purchase







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**Facility Description**

Form AQ102  
Answer Sheet

Facility Name: NW METALS INC Permit Number: \_\_\_\_\_

1. Description of facility and processes:

NW METALS INC IS AN AUTO DISMANTLER. VEHICLES ARE BOUGHT FROM AUCTIONS AS WELL AS INDIVIDUAL SELLERS WHICH ARE BROUGHT IN BY TOW TRUCKS. UPON VEHICLES ARRIVAL AT FACILITY ALL OILS ARE DRAINED , FREON RECOVERED, BATTERIES REMOVED, WHEELS AND TIRES REMOVED. ONCE THE PROCESS OF REMOVAL OF OILS AND OTHER ITEMS IS COMPLETED THE VEHICLES ARE TRANSFERED TO THE CRASHING SITE WHERE THEY ARE CRASHED AND FEED INTO THE ARJES SHREDDER TO BE SHREDDED. FINAL PRODUCTS OF THE SHREDDING PROCESS ARE IRON/STEEL, ALUMINUM/ZORBA AND FLUFF.

2. Attach plot plan.
3. Attach process flow diagram.
4. Attach a city map or drawing showing the facility location.



1. Assign an identification number to this device. Use this ID number to reference this device elsewhere in the application materials (e.g., on the process flow diagram, on the emissions data forms, etc.). The ID number may be anything the owner/operator wishes.
  2. Indicate whether this engine is *existing* (i.e., currently in place) or *future* (i.e., the engine is to be added in the future during the permit term).
  3. Enter the date that construction/installation of this device *commenced*. This refers to the date on which a financial commitment was made to undertake the construction.
  4. Enter the date on which this device was or will be fully installed or construction completed.
  5. Enter the name of the manufacturer of the device.
  6. Enter the date the engine was manufactured.
  7. Enter the manufacturer's rated design capacity in horse power or Btu per hour for turbines.
  8. Indicate (yes or no) whether there is an add-on control device. If yes, then complete the appropriate series AQ300 form and include the control device identification number on this form.
  9. Describe the device. Identify its use/purpose (e.g., manufacturing, pumping, power generation, etc.).
  10. Indicate the projected maximum number of hours per day that the engine will operate.
  11. Indicate the projected maximum number of hours per year that the engine will operate.
  12. Provide the following information for each fuel used in the device.
    - a. Identify the type and grade of fuel.
    - b. Enter the maximum hourly fuel usage. This number should represent the design capacity of the device. Specify the appropriate unit of measure (e.g., gallons per hour, cubic feet per hour, etc.).
    - c. Enter the projected maximum annual fuel usage expected to be achieved in any one year of the pending permit term; specify the appropriate annual unit of measure (e.g., gallons per year; thousand cubic feet per year).
  13. Provide the height of the stack associated with this device in feet.
  14. Provide the exit diameter of the stack associated with this device in feet.
  15. Provide the flow rate of the stack in dry standard cubic feet per minute (dscf/min).
  16. Answer each of the following questions about monitoring equipment on the device.
    - a. Indicate (yes or no) whether the device has a fuel flow monitor. If yes, specify whether the monitor has a continuous recorder.
    - b. Indicate (yes or no) whether the device has an engine load monitor. If yes, specify whether the monitor has a continuous recorder.
    - c. Indicate (yes or no) whether the device has any other emission parameter monitor. If yes, specify the type of monitor and indicate whether it has a continuous recorder.
-



Facility Name: NW METALS INC Permit Number:  

**Engine Information**

1.	Device ID Number	7600
2.	Existing or future?	Existing
3.	Date construction/installation commenced	5/2017
4.	Date construction/installation completed	11/2019
5.	Manufacturer	ARJES
6.	Date manufactured	1/2019
7.	Maximum rating (MMbtu/hr for turbines, Hp for others)	700
8.	Control device(s) (yes/no)	No
	If yes, enter the identification number(s)	
9.	Description of device:	

**Operating Schedule**

10.	Projected maximum hours/day	12
11.	Projected maximum hours/year	3500

**Fuel Information**

12.	Fuel usage:	a. Type	b. Hourly usage	c. Annual usage
	Primary	DIESEL	50L	180000L
	Back-up			
	Other			

**Stack Information**

13.	Exit height (ft)	12FT
14.	Exit diameter (ft)	3FT
15.	Design flowrate (dscf/min)	6.67 DSCF/MIN

**Monitoring Information**

16.	Monitoring equipment		
	fuel flow (y/n)	No	recorder? (y/n) No
	engine load (y/n)	No	recorder? (y/n) No
	other (specify)		recorder? (y/n)



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MISCELLANEOUS PROCESS OR DEVICE

**Instructions (Use this form for any process or device that is not covered by a specific process or device form in series AQ200.)**

1. Assign an identification number to this process or device. Use this ID number to reference this process elsewhere in the application materials (e.g., on the process flow diagram, on the emissions data forms, etc.). The ID number may be anything the owner/operator wishes.
2. Provide a brief, descriptive name for the process.
3. Indicate whether this process is existing (i.e., currently in place) or future (i.e., the process is to be added in the future during the permit term).
4. Enter the date that construction/installation of this process *commenced* or will *commence*. This refers to the date on which a financial commitment was made to undertake the construction.
5. Enter the date on which this process was fully installed or construction was completed, or on which date it is anticipated that construction will be completed.
6. Describe the process. Include a process flow diagram. If a process flow diagram is not available, sketch one on a sheet of blank paper and attach it to this form. Describe any pollutant-emitting materials handling activities associated with this process. Such activities would include: storage of raw materials or waste products in storage piles and the disturbance of those piles when materials are added to or removed from them; and the off-loading of raw material from or loading of product onto rail cars or trucks.
7. Indicate whether this process operates year-round or seasonally. If the operation is year-round, indicate whether the process experiences any seasonal variation (e.g., busiest during summer). If it is a seasonal operation, specify the months of operation.
8. Indicate whether this is a batch or continuous process?
9. Enter the maximum hours of operation per day.
10. Enter the maximum projected hours of operation per year.
11. Provide the following information for *each* raw material used in this process and/or the products made in the process. The owner/operator should NOT address fuel usage here. If this process burns fuel, then it should be addressed on another appropriate form to describe the fuel-burning activity.

For each type of raw material used, enter the maximum amount of the raw material used in the process at the rated short-term design capacity. Provide the units for the short-term capacity (e.g., pounds per hour, pounds per day, gallons per hour, etc.) If this is a batch operation, specify the amount of material used per batch and the number of batches per hour or day. Enter the maximum projected annual amount of raw material used in the process (e.g., tons per year or alternate unit of measure).

For each product produced, enter the maximum production rate at the rated short-term design capacity. Provide the units for the short-term capacity (e.g., widgets per hour, pounds per hour, pounds per day, gallons per hour, etc.) If this is a batch operation, specify the amount of product produced per batch and the number of batches per hour or day. Enter the maximum projected annual amount of product produced in the process. Specify the appropriate units of production.

12. Indicate (yes or no) whether any control device(s) is used with this process. If yes, provide the identification number(s) of the control device(s) as established on an appropriate AQ300 form.



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MISCELLANEOUS PROCESS OR DEVICE

FORM AQ230  
ANSWER SHEET

Facility Name:  Permit Number:

**Process Information**

1. ID Number	7600
2. Descriptive name	AUTO SHREDDER
3. Existing or future?	Existing
4. Date commenced	5/2017
5. Date installed/completed	11/2019
6. Description of process:	AUTO SHREDDING

**Operating Schedule**

7. Seasonal or year-round?	Year-round
8. Batch or continuous operation?	Continuous
9. Projected maximum hours/day	12
10. Projected maximum hours/year	3600

11. Process/device capacity: Raw materials	Short term capacity		Annual usage	
	Amount	Units	Amount	Units
VEHICLES/SCRAP METALS	10	TON/HR	36000	TON/YR

Products				
SHREDDED MATERIAL	10	TON/HR	36000	TON/YR

12. Control devices(s) (yes/no)   
 If yes, provide the ID number and complete and attached the applicable series AQ300 form(s).

Volvo Penta TAD1643VE

Tier IV

Engine Capacity:	700 hp
Engine Capacity:	515 kW
Maximum Fuel Capacity	50 L/hr
Maximum Fuel Capacity	13.21 gal/hr
Diesel Fuel Heat Content	0.139 MMBtu/gal
Heat Input Capacity	1.84 MMBtu/hr
Sulfur Content of Fuel	0.0015 %

Pollutant	Emission Factor	Emission Factor Units	Emission Factor Source	PTE (lbs/hr)	PTE (tons/yr)
PM	2.00E-02	g/kW-hr	Reference 1	0.02	0.10
PM <sub>10</sub>	2.00E-02	g/kW-hr	Reference 1	0.02	0.10
PM <sub>2.5</sub>	2.00E-02	g/kW-hr	Reference 1	0.02	0.10
SO <sub>x</sub>	1.21E-05	lb/hp-hr	Reference 2	8.49E-03	0.04
NO <sub>x</sub>	0.40	g/kW-hr	Reference 1	0.45	1.99
CO	3.50	g/kW-hr	Reference 1	3.97	17.41
VOC	0.19	g/kW-hr	Reference 1	0.22	0.94
Hazardous Air Pollutants					
Acetaldehyde	2.52E-05	lb/MMBtu	Reference 3	4.63E-05	2.03E-04
Acrolein	7.88E-06	lb/MMBtu	Reference 3	1.45E-05	6.34E-05
Benzene	7.76E-04	lb/MMBtu	Reference 3	1.42E-03	6.24E-03
Formaldehyde	7.89E-05	lb/MMBtu	Reference 3	1.45E-04	6.34E-04
Naphthalene	1.30E-04	lb/MMBtu	Reference 4	2.39E-04	1.05E-03
Polycyclic Aromatic Hydrocarbons	8.20E-05	lb/MMBtu	Reference 4	1.51E-04	6.59E-04
Toluene	2.81E-04	lb/MMBtu	Reference 3	5.16E-04	2.26E-03
Xylene	1.93E-04	lb/MMBtu	Reference 3	3.54E-04	1.55E-03
Total HAPs				2.89E-03	1.27E-02
Greenhouse Gases					
CO <sub>2</sub>	73.96	kg/MMBtu	Reference 5	299	1,311
CH <sub>4</sub>	3.00E-03	kg/MMBtu	Reference 6	1.21E-02	5.32E-02
N <sub>2</sub> O	6.00E-04	kg/MMBtu	Reference 6	2.43E-03	1.06E-02
GHGs (mass basis)				299	1,311
GHGs (CO <sub>2</sub> e basis) <sup>[1]</sup>				300	1,316

<sup>[1]</sup>40 CFR 98, Table A-1 (10/2009)

Reference 1: Tier 4 Emission Standards (40 CFR 1039.101)

Reference 2: AP-42 Table 3.4-1 (10/96)

Reference 3: AP-42 Table 3.4-3 (10/96)

Reference 4: AP-42 Table 3.4-4 (10/96)

Reference 5: 40 CFR 98, Table C-1 (11/2013)

Reference 6: 40 CFR 98, Table C-2 (11/2013)

Emissions at 8760 hours of operation per year

Pollutant	Projected Emissions (tpy)		
	Engine	Crusher	Total
PM	0.10	0.40	0.50
PM <sub>10</sub>	0.10	0.40	0.50
PM <sub>2.5</sub>	0.10	0.40	0.50
SO <sub>x</sub>	0.04		3.72E-02
NO <sub>x</sub>	1.99		1.99
CO	17.41		17.41
VOC	0.94	12.16	13.10
HAP	1.27E-02	2.02E-03	1.47E-02

Greenfield MA - wTe Recycling Blend						Mean
	Sims[1]	Omni[2]	MN[3]	SS[4]	SS[5]	
PM (lb/hr)						
VOC (lb/hr)						
HAP (lb/hr)						
Rate	60.704	165	195.5			
PM (lb/ton)	2.01E-02	3.16E-03	3.93E-03			9.06E-03
VOC (lb/ton)	9.59E-02	1.32E-01	1.39E-01	2.02E-01	5.74E-01	2.78E-01
HAP (lb/ton)						

	10 ton/hr	
Max Capacity		
PTE based on stack tests		
PM	0.09 lb/hr	0.40 ton/yr
VOC	2.78 lb/hr	12.16 ton/yr
HAP <sup>[6]</sup>		
Cr	8.88E-06 lb/hr	3.89E-05 ton/yr
Pb	4.18E-04 lb/hr	1.83E-03 ton/yr
Mn	7.89E-06 lb/hr	3.45E-05 ton/yr
Ni	2.63E-05 lb/hr	1.15E-04 ton/yr
Total	4.61E-04 lb/hr	2.02E-03 ton/yr

<sup>[1]</sup>SMM New England Corporation Johnston, RI April 26, 2018. VOC results as propane

<sup>[2]</sup>OmniSource Jackson MI; April 2010. VOC results as propane

<sup>[3]</sup>MN NorMet2017. <https://www.pca.state.mn.us/air/northern-metals-shredder-building-test-results>

<sup>[4]</sup>Schnitzer Steel Oakland, October 12, 2017, VOC results as methane

<sup>[5]</sup>Schnitzer Steel Oakland, January 21, 2018, VOC results as methane

<sup>[6]</sup>EPA Speciate Data Browser 5.0 for Car Shredder (Profile 1710930)







**ACDP PERMIT PROGRAM  
CATEGORICALLY INSIGNIFICANT ACTIVITIES**

**FORM AQ404  
ANSWER SHEET**

Yes	No	Type of activity
	✓	Temporary construction activities
	✓	Warehouse activities
	✓	Accidental fires
	✓	Air vents from air compressors
	✓	Air purification systems
	✓	Continuous emissions monitoring vent lines
	✓	Demineralized water tanks
	✓	Pre-treatment of municipal water, including use of deionized water purification systems
	✓	Electrical charging stations
	✓	Fire brigade training
	✓	Instrument air dryers and distribution
	✓	Process raw water filtration systems
	✓	Pharmaceutical packaging
	✓	Fire suppression
	✓	Blueprint making
✓		Routine maintenance, repair, and replacement such as anticipated activities most often associated with and performed during regularly scheduled equipment outages to maintain a plant and its equipment in good operating condition, including but not limited to steam cleaning, abrasive use, and woodworking
✓		Electric motors
✓		Storage tanks, reservoirs, transfer and lubricating equipment used for ASTM grade distillate or residual fuels, lubricants, and hydraulic fluids
	✓	On-site storage tanks not subject to any New Source Performance Standard (NSPS), including underground storage tanks (UST), storing gasoline or diesel used exclusively for fueling of the facility's fleet of vehicles
	✓	Natural gas, propane, and liquefied petroleum gas (LPG) storage tanks and transfer equipment
	✓	Pressurized tanks containing gaseous compounds
	✓	Vacuum sheet stacker vents
	✓	Emissions from wastewater discharges to publicly owned treatment works (POTW) provided the source is authorized to discharge to the POTW, not including on-site wastewater treatment and/or holding facilities
	✓	Log ponds
	✓	Storm water settling basins
	✓	Fire suppression and training
✓		Paved roads and paved parking lots within an urban growth boundary
	✓	Hazardous air pollutant emissions in fugitive dust from paved and unpaved roads except for those sources that have processes or activities that contribute to the deposition and entrainment of hazardous air pollutants from surface soils
	✓	Health, safety, and emergency response activities



State of Oregon  
Department of  
Environmental  
Quality

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CATEGORICALLY INSIGNIFICANT ACTIVITIES**

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Yes	No	Type of activity
	✓	Emergency generators and pumps used only during loss of primary equipment or utility service due to circumstances beyond the reasonable control of the owner or operator, or to address a power emergency, provided that the aggregate horsepower rating of all stationary emergency generator and pump engines is not more than 3,000 horsepower. If the aggregate horsepower rating of all stationary emergency generator and pump engines is more than 3,000 horsepower, then no emergency generators and pumps at the source may be considered categorically insignificant
✓		Non-contact steam vents and leaks and safety and relief valves for boiler steam distribution systems
✓		Non-contact steam condensate flash tanks
✓		Non-contact steam vents on condensate receivers, deaerators and similar equipment
✓		Boiler blow down tanks
✓		Industrial cooling towers that do not use chromium-based water treatment chemicals
✓		Ash piles maintained in a wetted condition and associated handling systems and activities
✓		Uncontrolled oil/water separators in effluent treatment systems, excluding systems with a throughput of more than 400,000 gallons per year of effluent located at the following sources: A. Petroleum refineries; B. Sources that perform petroleum refining and re-refining of lubricating oils and greases including asphalt production by distillation and the reprocessing of oils and/or solvents for fuels; or C. Bulk gasoline plants, bulk gasoline terminals, and pipeline facilities
✓		Combustion source flame safety purging on startup
✓		Broke beaters, pulp and repulping tanks, stock chests and pulp handling equipment, excluding thickening equipment and repulpers
✓		Stock cleaning and pressurized pulp washing, excluding open stock washing systems
✓		White water storage tanks