



2020 Air Toxics Reporting Matrix for Air Contaminant Discharge Program - Basic and General Permits

Information to be submitted in 2021

Production Information: Parameters associated with the operation of production equipment or activity. This typically includes total operating hours, fuel type and usage, and units of product output. Also list any control devices used on such equipment and their control efficiency.

Material Balance: Material balance information describes all the material going into and coming out of a process. This approach for estimating emissions requires specific product information regarding the amounts of air toxic contaminants contained in each, typically found in safety data sheets or material safety data sheets. Careful record-keeping is necessary to track the amount or volume of starting material, the quantity of resulting product, and the material that is considered waste and shipped offsite.

Permit Type and Category	Production Information	Material Balance Information
Basic ACDP		
Autobody repair or painting shops AQB - 001	<ul style="list-style-type: none"> Types and quantity of fuel used for generators or operating equipment, if applicable 	<ul style="list-style-type: none"> Types and quantity of each paint and solvent product used SDS sheets for each solvent and product List of any equipment employed onsite that reduces emissions, such as a booth filter Quantity of waste shipped offsite for each product type (i.e., solvent or paint)
Boilers* AQB - 002 *Natural Gas and propane fired boilers with greater than 10 but less than 30 MMBTU per hour heat input; constructed after June 9, 1989	<ul style="list-style-type: none"> Types and quantity of fuel used List of pollution control devices used on fuel combustion equipment (e.g., low NOx burners or flue gas recirculation) 	
Concrete manufacturing including Ready-mix and CTB* AQB - 003 *More than 5,000 but less than 25,000 cubic yards per year	<ul style="list-style-type: none"> Types and quantity of fuel used for generators or operating equipment, if applicable Total cubic yards of aggregate product 	<ul style="list-style-type: none"> Types and quantity of aggregate; chemical, mineral or pozzolan admixtures; or any other specialty aggregate product SDS sheets for each product

2020 Reporting Matrix- Continued

Permit Type and Category	Production Information	Material Balance Information
<p style="text-align: center;">Crematory incinerators* (Basic AQB - 004)</p> <p>*Less than 20 tons per year material input</p>	<ul style="list-style-type: none"> • Types and quantity of fuel used, if applicable • Total tons of material incinerated 	
<p style="text-align: center;">Prepared feeds for animals & fowl and associated grain elevators* AQB – 005</p> <p>*Grain elevators more than 1,000 tons per yr but less than 10,000 tons throughput per year</p>	<ul style="list-style-type: none"> • Types and quantity of fuel used for boilers and dryers, if applicable • Tons of prepared feed processed • List of pollution control devices used (e.g., baghouses, cyclones, etc.), if applicable 	<ul style="list-style-type: none"> • Types and quantity of pesticides used, if applicable
<p style="text-align: center;">Rock, concrete or asphalt crushing* AQB – 006</p> <p>*Portable and stationary equipment greater than 5,000 tons per yr. but less than 25,000 tons per yr. crushed</p>	<ul style="list-style-type: none"> • Types and quantity of fuel used, if applicable • Tons of rock, concrete, or asphalt crushed • List of pollution control devices used on equipment, if applicable 	
<p style="text-align: center;">Surface coating operations* AQB - 007</p> <p>*Actual or expected coating material usage is greater than 250 gallons per month</p>		<ul style="list-style-type: none"> • Types and quantity of paints and solvents used • SDS sheets for each product and solvent • List of any equipment employed onsite that reduces emissions, such as a booth filter • Quantity of waste shipped offsite for each product type (i.e., solvent or paint)
General ACDP		
<p style="text-align: center;">Hard Chrome Electroplaters AQGP – 001</p> <p style="text-align: center;">Decorative chrome electroplaters AQGP - 002</p>	<ul style="list-style-type: none"> • Tank size and gallons of electroplating solution • Annual ampere-hours (plating time) for each tank • Number of racks, barrels or other load types • Average plating current per load type • List of pollution control devices used on plating equipment (e.g., packed-bed scrubber or fiber-bed mist eliminator), including destruction efficiencies for each product 	<ul style="list-style-type: none"> • Types and quantity of solvent bath and spraying or coating material • SDS sheets for each solution or solvent product used • Quantity of waste shipped offsite for each product

2020 Reporting Matrix- Continued

Permit Type and Category	Production Information	Material Balance Information
Halogenated solvent degreasers AQGP - 005		<ul style="list-style-type: none"> • Types and quantity of solvents used • SDS sheets for each product • List of control devices used, e.g. carbon adsorber, including capture and destruction efficiencies for each product • Quantity of waste shipped offsite for each product
Dry Cleaners AQGP – 006	Air Toxics reporting is not required for these sources.	Air Toxics reporting is not required for these sources.
Asphalt plants AQGP-07	<ul style="list-style-type: none"> • Types and quantity of fuel used • Quantity of asphalt produced • List of pollution control devices used on equipment (e.g., baghouse, fabric filter, scrubber, etc.) 	<ul style="list-style-type: none"> • Types and quantity of abrasive material and welding rod used* • SDS sheets for abrasive and welding materials *Some welding operations (e.g. for maintenance) qualify as categorically insignificant, check applicability
Rock, concrete or asphalt crushers* AQGP – 008 *Greater than 25,000 tons per yr. crushed	<ul style="list-style-type: none"> • Types and quantity of fuel used • Quantity of crushed rock produced 	<ul style="list-style-type: none"> • Types and quantity of abrasive material and welding rod used* • SDS sheets for abrasive and welding materials *Some welding operations (e.g. for maintenance) qualify as categorically insignificant, check applicability
Ready-mix concrete manufacturers AQGP - 009	<ul style="list-style-type: none"> • Types and quantity of fuel used • Cubic yards of concrete produced • List of pollution control devices used on equipment (e.g., bag filters) 	<ul style="list-style-type: none"> • Type and quantity of aggregate; chemical, mineral or pozzolan admixtures; or any other specialty aggregate product • SDS sheets for all additive materials used

2020 Reporting Matrix- Continued

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<p>Sawmills, planing mills, millwork, plywood manufacturing and veneer drying operations* AQGP – 010</p> <p>*Greater than 25,000 bd. ft. finished product per 8 hour shift</p>	<ul style="list-style-type: none"> • Types and quantity of fuel used, including hogged fuel • Quantity of wood dried in kilns, by species • Material throughput of veneer dryers, plywood presses, and other activities • BDT of dry and green chips, shavings, hogged, sawdust and/or sanderdust in cyclones and target boxes • List of pollution control devices used on equipment 	<ul style="list-style-type: none"> • Types and quantity of coating material, adhesives and solvents used • SDS sheets for each product used • List of control devices used during the application process, including capture and destruction efficiencies • Quantity of waste shipped offsite for each product
<p>Boilers* AQGP – 011</p> <p>*Oil fired greater than 10 MMBTU per hour; Natural gas fired greater than 30 MMBTU per hour heat input</p>	<ul style="list-style-type: none"> • Types and quantity of fuel used • List of pollution control devices used on fuel combustion equipment (e.g., low NOx burners or flue gas recirculation) 	
<p>Crematories AQGP - 012</p>	<ul style="list-style-type: none"> • Type and quantity of fuel used, if applicable • Tons of material incinerated • Hours of operation of incineration equipment 	
<p>Grain elevators* AQGP – 013</p> <p>*Greater than 10,000 tons per year</p>	<ul style="list-style-type: none"> • Tons of material received and shipped, by transport type • Tons of material processed for each type of equipment listed (e.g., cleaning or drying) 	<ul style="list-style-type: none"> • Types and quantity of products (e.g., pesticides, fungicide, herbicide, dust suppressant, etc.) used • SDS sheets for all chemical products used • Quantity of waste shipped offsite for each product
<p>Prepared feed, flour, and cereal operations AQGP - 014</p>	<ul style="list-style-type: none"> • Types and quantity of fuel used • Total amount of material processed, by equipment type • List of pollution control devices used (e.g., baghouse or cyclone) 	<ul style="list-style-type: none"> • Types and quantity of products (e.g., pesticides, fungicide, herbicide, dust suppressant, etc.) used • SDS sheets for all chemical products used • Quantity of waste shipped offsite for each product
<p>Seed cleaning operations* AQGP – 015</p> <p>*Greater than 5,000 tons per year</p>	<ul style="list-style-type: none"> • Types and quantity of fuel used for heaters, generators, etc. • Tons of material received and shipped, by transport type • Tons of material cleaned and/ or screened 	<ul style="list-style-type: none"> • Types and quantity of products (e.g., pesticides, fungicide, herbicide, dust suppressant, etc.) used • SDS sheets for all chemical products used • Quantity of waste shipped offsite for each product

2020 Reporting Matrix- Continued

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<p style="text-align: center;">Coffee roasters* AQGP – 016</p> <p>*Greater than 30 tons per year</p>	<ul style="list-style-type: none"> • Type and quantity of fuel used • Tons of coffee beans destoned and/or roasted • List of pollution control devices used on combustion equipment (e.g., afterburner or catalytic converter) 	
<p style="text-align: center;">Bulk gasoline plants AQGP - 017</p>	<ul style="list-style-type: none"> • Types and quantity of fuel run through loading racks • Types and quantity of fuel additives used, if applicable • Storage tank throughput • List of pollution control devices used on equipment 	
<p style="text-align: center;">Electric power generators AQGP - 018</p>	<ul style="list-style-type: none"> • Types and quantity of fuel used per engine/generator set • Hours of operation • List of pollution control devices 	
<p style="text-align: center;">Clay ceramics* AQGP – 019</p> <p>*Greater than 50 tons per year</p>	<ul style="list-style-type: none"> • Types and quantity of fuel used • Tons product fired and/ or formed • List of pollution control devices used on combustion equipment 	<ul style="list-style-type: none"> • SDS sheets associated with each pre made glaze product; and/or material composition for products made onsite • List of control devices used on coating or glazing equipment (e.g., wet control system or baghouse) • Quantity of waste shipped offsite for each product type
<p style="text-align: center;">Hospital sterilizers AQGP - 020</p>	<ul style="list-style-type: none"> • Hours of sterilization operation and/ or number of sterilization cycles • List of pollution control devices used on equipment 	<ul style="list-style-type: none"> • Tons of ethylene oxide used annually
<p style="text-align: center;">Stage I gasoline dispensing AQGP – 022</p> <p style="text-align: center;">Stage II gasoline dispensing AQGP - 023</p>	<p style="text-align: center;">Air Toxics reporting is not required for these sources.</p>	<p style="text-align: center;">Air Toxics reporting is not required for these sources.</p>

2020 Reporting Matrix- Continued

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Wood preserving operations AQGP - 024	<ul style="list-style-type: none"> • Types and quantity of fuel used • Quantity of wood dried in kilns, by species • BDT of dry and green chips, shavings, hogged, sawdust and/or sanderdust in cyclones and target boxes • List of pollution control devices used on combustion equipment 	<ul style="list-style-type: none"> • Types and quantity of coatings, solvents, adhesives, and wood preservatives used • SDS sheets for each product • Quantity of waste shipped offsite for each product • List of pollution control devices used for coating and/or preserving operations
Metal fabrication and finishing: Large Operations AQGP - 025 Small Operations AQGP - 029	<ul style="list-style-type: none"> • Types and quantity of fuel used • Types and quantity of metal processed • Types and quantity of welding rod and wire used • Types and quantity of abrasive material used 	<ul style="list-style-type: none"> • Types and quantity of metal coating materials, solvents and paints • SDS sheets for each product • Control pollution devices or methods used during fabrication, grinding, coating, or painting operations (e.g. filters, water curtain, fume or dust suppressants, etc.) • Quantity of waste shipped offsite for each product
Plating and polishing operations AQGP - 026	<ul style="list-style-type: none"> • Tank size and gallons of electroplating solution • Annual ampere-hours (plating time) for each tank <i>Additional information will be provided for estimating ampere-hours for sources without tank monitors</i> • Number of racks, barrels or other load types • Average plating current per load type • List of pollution control devices used on plating equipment (e.g., packed-bed scrubber or fiber-bed mist eliminator), including destruction efficiencies for each product • Types and quantity of abrasive material used 	<ul style="list-style-type: none"> • Types and quantity of metal coating materials, solvents, • Control devices or methods used during plating process (e.g. capture devices, scrubbers, wetting agents/ fume suppressants, etc.) • SDS sheets for each product • Control devices or methods used during the dry mechanical polishing process • Quantity of waste shipped offsite for each product
Surface coaters AQGP - 027		<ul style="list-style-type: none"> • Types and gallons of coatings and solvents used • Quantity of methyl chloride used • SDS sheets for each product

2020 Reporting Matrix- Continued

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		<ul style="list-style-type: none"> • Control devices including capture and destruction efficiencies used during the application process • Quantity of waste shipped offsite for each product
Paint stripping operations AQGP - 028		<ul style="list-style-type: none"> • Types and gallons of solvents used • SDS sheets for each product • Control devices including capture and destruction efficiencies used during the stripping process • Quantity of solvent waste shipped offsite
Paint and allied product manufacturing AQGP – 030		<ul style="list-style-type: none"> • Types and gallons of solvents used • SDS sheets for each product • Control devices and capture efficiencies used during the grinding and milling process • Quantity of waste products shipped offsite

Additional information can be found on the Air Toxics Reporting Frequently Asked Questions page, <https://www.oregon.gov/deq/daq/air-toxics/Pages/Air-Toxics-Inventory-FAQ.aspx>