



# Notice of Construction Application

A notice of construction permit is required before installing a new source of air pollution or modifying an existing source of air pollution. This application applies to facilities in Ecology’s jurisdiction. Submit this application for review of your project. For general information about completing the application, refer to Ecology Forms ECY 070-410a-g, “Instructions for Ecology’s Notice of Construction Application.”

Ecology offers up to two hours of free pre-application assistance. We encourage you to schedule a pre-application meeting with the contact person specified for the location of your proposal, below. If you use up your two hours of free pre-application assistance, we will continue to assist you after you submit Part 1 of the application and the application fee. You may schedule a meeting with us at any point in the process.

Upon completion of the application, please enclose a check for the initial fee and mail to:

**Department of Ecology  
Cashiering Unit  
PO Box 47611  
Olympia, WA 98504-7611**

For Fiscal Office Use Only: 0299-3030404-B00-216--001--000404

**Check the box for the location of your proposal.** For assistance, call the appropriate office listed below:

Check box	Ecology Permitting Office	Contact
<input type="checkbox"/>	<b>Chelan, Douglas, Kittitas, Klickitat, or Okanogan County</b> Ecology Central Regional Office (509) 575-2490	Lynnette Haller (509) 457-7126 <a href="mailto:lynnette.haller@ecy.wa.gov">lynnette.haller@ecy.wa.gov</a>
<input checked="" type="checkbox"/>	<b>Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Stevens, Walla Walla, or Whitman County</b> Ecology Eastern Regional Office (509) 329-3400	Karin Baldwin (509) 329-3452 <a href="mailto:karin.baldwin@ecy.wa.gov">karin.baldwin@ecy.wa.gov</a>
<input type="checkbox"/>	<b>San Juan County</b> Ecology Northwest Regional Office (206) 594-0000	David Adler (425) 649-7267 <a href="mailto:david.adler@ecy.wa.gov">david.adler@ecy.wa.gov</a>
<input type="checkbox"/>	<b>For actions taken at Kraft and Sulfite Paper Mills and Aluminum Smelters Only</b> Ecology Industrial Section (360) 407-6900	James DeMay (360) 407-6868 <a href="mailto:james.demay@ecy.wa.gov">james.demay@ecy.wa.gov</a>
<input type="checkbox"/>	<b>For actions taken on the US Department of Energy Hanford Reservation Only</b> Ecology Nuclear Waste Program (509) 372-7950	Lilyann Murphy (509) 372-7951 <a href="mailto:lilyann.murphy@ecy.wa.gov">lilyann.murphy@ecy.wa.gov</a>

Check the box below for the fee that applies to your application.

**New project or equipment:**

- \$1,904: Basic project** initial fee covers up to 16 hours of review.
- \$12,614: Complex project** initial fee covers up to 106 hours of review.

**Change to an existing permit or equipment:**

- \$357: Administrative or simple change** initial fee covers up to 3 hours of review. Ecology may determine your change is complex during the completeness review of your application. If you project is complex, you must pay the additional xxx before we will continue working on your application
- \$1,190: Complex change** initial fee covers up to 10 hours of review
- \$350flat fee:** Replace or alter control technology equipment under WAC 173-400-114. Ecology will contact you if we determine your change belongs in another fee category. You must pay the fee associated with that category before we will continue working on your application.

**Read each statement below, then check the box next to it to acknowledge that you agree.**

- The initial fee you submitted may not cover the cost of processing your application. Ecology will track the number of hours spent on your project. If the number of hours Ecology spends exceeds the hours included in your initial fee, Ecology will bill you \$119 per hour for the extra time.
- You must include all information requested by this application. Ecology may not process your application if it does not include all the information requested.
- Submittal of this application allows Ecology staff to visit and inspect your facility.

### Part 1: General Information

#### I. Project, Facility, and Company Information

1. Project Name: Storm Seeds, Inc Air Filtration System
2. Facility Name: Storm Seeds, Inc Moses Lake Branch
3. Facility Street Address:  
2741 Road U NE Moses Lake, WA 98837
4. Facility Legal Description: Commercial warehouse for seed storage and cleaning
5. Company Legal Name (if different from Facility Name):  
\_\_\_\_\_
6. Company Mailing Address (street, city, state, zip)  
PO Box 627 Moses Lake, WA 98837

#### II. Contact Information and Certification

1. Facility Contact Name (who will be onsite): Evan Mawe
2. Facility Contact Mailing Address (if different than Company Mailing Address):  
\_\_\_\_\_

3. Facility Contact Phone Number: (509) 512-9556
4. Facility Contact E-mail: e.mawe@stormseeds.com
5. Billing Contact Name (who should receive billing information):  
Evan Mawe
6. Billing Contact Mailing Address (if different Company Mailing Address):  
PO Box 627 Moses Lake, WA 98837
7. Billing contact Phone Number: (509) 512-9556
8. Billing Contact E-mail: e.mawe@stormseeds.com
9. Consultant Name (optional – if 3<sup>rd</sup> party hired to complete application elements):  
\_\_\_\_\_
10. Consultant Organization/Company: \_\_\_\_\_
11. Consultant Mailing Address (street, city, state, zip): \_\_\_\_\_
12. Consultant Phone Number: \_\_\_\_\_
13. Consultant E-mail: \_\_\_\_\_
14. Responsible Official Name and Title (who is responsible for project policy or decision making):  
Evan Mawe General Manage
15. Responsible Official Phone: (509) 512-9556
16. Responsible Official E-mail: e.mawe@stormseeds.com
17. Responsible Official Certification and Signature:

I certify that the information on this application is accurate and complete.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_



8/23/2024

## Part 2: Technical Information

The Technical Information may be sent with this application form to the Cashiering Unit, or may be sent directly to the Ecology regional office with jurisdiction along with a copy of this application form.

For all sections, check the box next to each item as you complete it.

### III. Project Description

- Written narrative describing your proposed project.
- Projected construction start and completion dates.
- Operating schedule and production rates.
- List of all major process equipment and manufacturer and maximum rated capacity.
- Process flow diagram with all emission points identified.
- Plan view site map.
- Manufacturer specification sheets for major process equipment components
- Manufacturer specification sheets for pollution control equipment.
- Fuel specifications, including type, consumption (per hour and per year) and percent sulfur.

### IV. State Environmental Policy Act (SEPA) Compliance

Check the appropriate box below.

- SEPA review is complete. Include a copy of the final SEPA checklist and SEPA determination (e.g., DNS, MDNS, and EIS) with your application.
- SEPA review has not been conducted:
  - If review will be conducted by another agency, list the agency. You must provide a copy of the final SEPA checklist and SEPA determination before Ecology will issue your permit.  
Agency reviewing SEPA: \_\_\_\_\_
  - If the review will be conducted by Ecology, fill out a SEPA checklist and submit it with your application. You can find a SEPA checklist online at <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-document-templates>

### V. Emissions Estimations of Criteria Pollutants

Does your project generate criteria air pollutant emissions?  Yes  No

If yes, please provide the following information regarding your criteria emissions in the application.

- The names of the criteria air pollutants emitted (i.e., NO<sub>x</sub>, SO<sub>2</sub>, CO, PM<sub>2.5</sub>, PM<sub>10</sub>, TSP, VOC, and Pb)
- Potential emissions of criteria air pollutants in tons per hour, tons per day, and tons per year (include calculations)
- If there will be any fugitive criteria pollutant emissions, clearly identify the pollutant and quantity

### VI. Emissions Estimations of Toxic Air Pollutants

Does your project generate toxic air pollutant emissions?  Yes  No

If yes, please provide the following information regarding your toxic air pollutant emissions in your application.

- The names of the toxic air pollutants emitted (specified in [WAC 173-460-150<sup>1</sup>](#))
- Potential emissions of toxic air pollutants in pounds per hour, pounds per day, and pounds per year (include calculations)
- If there will be any fugitive toxic air pollutant emissions, clearly identify the pollutant and quantity

**VII. Emission Standard Compliance**

- Provide a list of all applicable new source performance standards, national emission standards for hazardous air pollutants, national emission standards for hazardous air pollutants for source categories, and emission standards adopted under Chapter 70A.15 RCW.

Does your project comply with all applicable standards identified?  Yes  No

**VIII. Best Available Control Technology**

- Provide a complete evaluation of Best Available Control Technology (BACT) for your proposal.

**IX. Ambient Air Impacts Analyses**

Please provide the following:

- Ambient air impacts analyses for Criteria Air Pollutants (including fugitive emissions)
- Ambient air impacts analyses for Toxic Air Pollutants (including fugitive emissions)
- Discharge point data for each point included in air impacts analyses (include only if modeling is required)
  - Exhaust height
  - Exhaust inside dimensions (ex. diameter or length and width)
  - Exhaust gas velocity or volumetric flow rate
  - Exhaust gas exit temperature
  - The volumetric flow rate
  - Description of the discharges (i.e., vertically or horizontally) and whether there are any obstructions (ex., raincap)
  - Identification of the emission unit(s) discharging from the point
  - The distance from the stack to the nearest property line
  - Emission unit building height, width, and length
  - Height of tallest building on-site or in the vicinity and the nearest distance of that building to the exhaust
  - Whether the facility is in an urban or rural location

Does your project cause or contribute to a violation of any ambient air quality standard or acceptable source impact level?  Yes  No

To request ADA accommodation, call Ecology at (360) 407-6800, 711 (relay service), or (877) 833-6341 (TTY)

<sup>1</sup> <http://apps.leg.wa.gov/WAC/default.aspx?cite=173-460-150>

### III. Project Description

#### Narrative Describing Proposal:

Storm Seeds, Inc has constructed a 13,200 square foot warehouse for the purpose of seed storage, cleaning, and distribution. There is a small portion of the warehouse designated for offices and administration purposes. The parcel is 40 acres and is vacant of development. The current zoning is agriculture. Access is planned from Grant County Rd U NE. A well has been drilled for water usage and a septic system is in place for wastewater.

Via the seed cleaning process, we will be installing an Air Screen Machine and color sorter used for cleaning pea (*Pisum sativum*) and bean (*Phaseolus vulgaris*) seed. This line will be aided by an air filtration system where the dust/dirt particles will be sent to a baghouse/dust collector on the outside of the building.

#### Projected Construction Start and Completion Date:

We plan to start the construction of the seed assemble line in October 2024 and be finished by the end of the month.

#### Operating Schedule and Production Rates:

Once the line is completed the schedule will be as follows:

**2024-2025:** Cleaning Pea Seed from November 4 - 15.

Total Pea Seed Cleaned Annually: Between 200,000-400,000lbs.

Cleaning Bean Seed from November 25 – January 31<sup>st</sup>, 2025.

-Total Bean Seed Cleaned Annually: Between 400,000 – 700,000lbs.

**2025-2030:** Cleaning Pea Seed for the months of August and September

Cleaning Bean Seed from October through December

-Total Bean Seed Cleaned Annually: Between 400,000 – 900,000lbs.

Cleaning Rates will be as follows:

- Peas and beans will be cleaned at a speed between 4,000-6,000lbs/hr. with an operating time of 30-35 hours per week between the dates listed above.

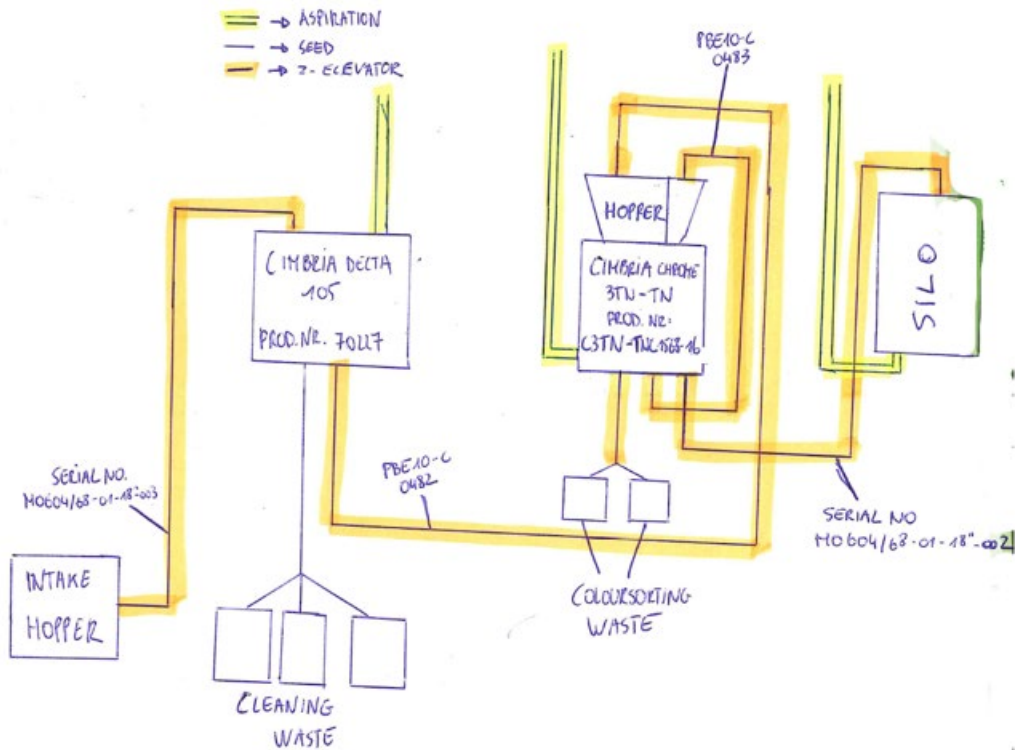
After the year 2030 we will likely increase production, expand our warehouse and change our operating schedule.

#### List of all Major Processing Equipment and Manufacturer and Maximum Rated Capacity:

Delta Super 105 Fine Cleaner max capacity 6,000lbs/hr.

Cimbria Color Sorter Model SEA.TN 3 max capacity of 5,000lbs/hr.

**Process Flow Diagram with all Emissions Points Identified:**



All Aspiration (emission) points will join into one large vent to be run to the bag filter outside the building.

**Plan View Site Map:**

See Attachments:

Site Plan

Warehouse Layout

**Manufacturer Specs Sheets for Major Process Equipment Components:**

See Attachments:

Cimbria Delta 105

Cimbria SEA.TN 3 Color Sorter

**Manufacturer Spec Sheets for Pollution Control Equipment:**

See Attachments:

Filcon Filter Spec Sheet

**Fuel Specs, Including Type, Consumption (per hour and per year) and percent sulfur.**

All equipment will be running off 480v or 220v electricity supplied by Grant County PUD.

## IV State Environmental Policy Act

See attached SEPA Form

### V. Emissions Estimations of Criteria Pollutants

Does your Project Generate Criteria Air Pollutant Emissions:

Yes, our project will be generating pollutant emissions in the form of PM10 from the growing fields. I.e.... dirt, soil, rocks, vegetation.

Total **Pea Seed** Cleaned Annually: Between 200,000-400,000lbs

Total **Bean Seed** Cleaned Annually: Between 400,000lbs. – 900,000lbs.

Storm Seeds, Inc Controlled Potential Emission Statistics							
Emission Product	Weight (lbs/year)	Weight tons/year			*2,000lbs/ton		
Pea Seed (max)	400,000	200					
Bean Seed (max)	900,000	450					
Total Seed Production	1,300,000	650					
Emission Source	Quantity	PM lbs/year	PM10 lbs/year	PM2.5 lbs/year	PM Emmisions tons/year	PM10 Emmisions tons/year	PM2.5 Emmisions tons/year
Grain Receiving - Hopper Truck	1	0.035	0.0078	0.0013	0.01	0	0
Grain Cleaning - with Cyclone	1	0.075	0.019	0.0032	0.02	0.01	0
Grain handling	10	0.061	0.034	0.0058	0.2	0.11	0
Storage Bin w/ vent	1	0.025	0.0063	0.0011	0.01	0	0
<b>Totals</b>					<b>0.24</b>	<b>0.12</b>	<b>0</b>

If there are any fugitive criteria pollutant emissions, clearly identify the pollutant and quantity.

See previous answer with calculations.

### VI. Emissions Estimations of Toxic Air Pollutants

Does your Project Generate Toxic Air Pollutants:

No, our project will not be generating any toxic air pollutants.

### VII. Emission Standard Compliance

Does your Project Comply with all Applicable Standards Identified:

Yes, our project complies with all the emission standards in Chapter 70A.15 of the Revised Code of Washington.

### VIII. Best Available Control Technology

Provide a complete evaluation of Best Available Control Technology (BACT) for your proposal:

We will be using a Filcon RB Filter baghouse with a maximum grain loading rate of 0.005 grains per dry standard per cubic foot (gr/dscf). The facility will be handling 650 tons, and the designed capacity



of the aspiration system is 10,594 cubic feet per minute (cfm)\*. The typical handling rate of the system is 2 tons/hour.

The controlled emissions from the system would be calculated as follows:

$$0.005 \text{ gr/acf} \times 1\text{lb./}7,000 \text{ grains} \times 10,594 \text{ acf/min} \times 60 \text{ min/hr} \times (650 \text{ tons/year}) / (2 \text{ tons/hour}) \\ = 147.56\text{lbs or } .0738 \text{ tons of PM.}$$

\*11,000 cfm is calculated via the previous usage of 300 cubic meters/minute ran in Belgium.

$$300\text{cmm} \times 35.314 = 10,594\text{cfm}$$

$$1 \text{ cubic meter} = 35.3147 \text{ cubic foot}$$

## **IX. Ambient Air Impacts Analysis**

Does your project cause or contribute to a violation of any ambient air quality standard or acceptable source impact level?

No, our project does not contribute to a violation of any ambient air quality standard or acceptable source impact level.