

FCO/OGVG Abatement Plan Worksheet

The following worksheet is designed to help you develop a sustainable environmental strategy for your farm. This template is only a guide to help you draft your abatement plan. MOECC may require additional information from that outlined in this document.

Part 1: Background information

Greenhouse Owner Information

Owner Name:	Phone:	Email:
Address:		

Consultant Information (if applicable)

Name:	Phone:	Email:
Address:		

Greenhouse Operation Information

Date:

Greenhouse Operating Name:		
Physical Address:		
Primary Contact:	Phone:	Email:
Greenhouse size:	Age:	Construction type:
Municipal zoning:	Municipality:	
Types of crops grown/Product description:		
Production Method (soil, substrate on ground, troughs, nutrient film, etc.):		
Description of Greenhouses (area that is plastic, glass, temporary, permanent, etc.):		
Predominate Soil Type:		
Total land base available for field application (acres) owned by you:		
Total land base available for field application (acres) rented by you:		

Part 2: Schematic of operation and input/outputs:

Part 3: Description of operation

Water Inputs

What is the maximum amount of water in L per day that you take from:

A. Municipal _____ Lined pond or cistern _____ LADII _____

B. Well _____ Natural Pond/Stream _____ Unlined Pond _____

Do you have a current Permit to Take Water (PTTW)? _____

If yes, what is your permit #: _____

Potential Nutrient Outputs

Do you currently recirculate? yes no

If **yes**, please describe the flow path of applied nutrients and the final destination of any waste:

Please describe the volumes and concentrations that are not utilized over the year (typically).

Do you have a contingency plan if your normal disposal means are not available?

If you do **not** recirculate, does your excess nutrient solution go:

Into the **ground** or **collected** and directed to a pond/ditch (check one)

If into the **ground**, do you have any evidence that this activity is NOT affecting the groundwater?

If your excess nutrient solution is **collected** in a pipe/drainage basin/drainage tiles what is the final destination of this solution? And are you aware of the concentrations?

Stormwater Outputs

How do you currently manage your stormwater?

Describe your stormwater pond (if applicable) i.e. volumes, storm water volumes etc.

Do you put anything else in your stormwater pond?

Are there any other surface water sources that reach your pond (i.e. parking lot runoff, field run-off etc.)?

Other Outputs

Where does your boiler blow down currently go?

Do you have floor drains in the boiler room, fertilizer and chemical mixing rooms etc. that discharge to your pond or to a drainage ditch?

Where does your filter backwash go? Consider all filters (well water, recirculation water, injector filters)

Are there subsurface drainage tiles under your facility? Does any leachate reach these pipes? Where do these tiles discharge?

Do any of your stormwater mains run under the growing floor? Does any leachate reach these pipes?

Where does wastewater from your packing shed go (if applicable)?

Are there any other sources of wastewater?

Septic Output

Do you have a septic bed (weeping tile)?

If yes, does it receive more than 10,000L per day?

If yes, do you have MOECC approval?

Part 4: Chemical Storage

Fertilizer

Where are fertilizers stored?

Is there a contingency plan in the case of a spill?

Pesticides

Does storage facility meet MOECC requirements?

Are all chemicals on-site registered for use on crops grown? (i.e. verify no off-label or de-registered chemical use)

Are all operators properly licenced?

Action Plan

Collect all your action items and list there here with timelines.

Issue 1	
Possible solutions:	
Action item:	
Completion date	

Issue 2	
Possible solutions:	
Action item:	
Completion date	

Action Plan

Issue 3	
Possible solutions:	
Action item:	
Completion date	

Issue 4	
Possible solutions:	
Action item:	
Completion date	

Action Plan

Issue 5	
Possible solutions:	
Action item:	
Completion date	

Issue 6	
Possible solutions:	
Action item:	
Completion date	

(Attach additional sheets if needed)