

Ionía County
PERMIT APPLICATION
for Part 91
SOIL EROSION AND
SEDIMENTATION CONTROL

OFFICE USE ONLY

Permit Number
Date Issued
Expiration Date

1. APPLICANT (Please check if applicant is the landowner or designated agent*)

Name	Landowner	Designated Agent
Address		
City	State	Zip Code
Area Code/Telephone Number		

2. LOCATION

Section	Town	Range	Township	City/Village	County
Subdivision			Lot No.	Tax ID Number	Street Address

3. PROPOSED EARTH CHANGE

Project Type:	Residential Industrial	Multi-family Land Balancing	Commercial
Describe Project			Size of Earth Change (acres or square feet)
Name of and Distance to Nearest Lake, Stream, or Drain		Date Project to Start	Date Project to be Completed

4. SOIL EROSION AND SEDIMENTATION CONTROL PLAN (Refer to Rule 323.1703)

Note: Two (2) complete sets of plans must be attached.	Estimated Cost of Erosion and Sediment Control
	Plan Preparer's Name and Telephone Number Area Code ()

5. PARTIES RESPONSIBLE FOR EARTH CHANGE

Name of Landowner (if not provided in Box No. 1 above)	Address		
City	State	Zip	Area Code/Telephone Number
Name of Individual "On Site" Responsible for Earth Change		Company Name	
Address	City	State	Zip Code
Area Code/Telephone Number			

6. PERFORMANCE DEPOSIT (If required by the permitting agency)

Amount Required \$ _____	Cash	Certified Check	Irrevocable Letter of Credit	Surety Bond
Name of Surety Company				
Address	City	State	Zip Code	Area Code/Telephone No.

I (we) affirm that the above information is accurate and that I (we) will conduct the above described earth change in accordance with Part 91, Soil Erosion and Sedimentation Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, applicable local ordinances, and the documents accompanying this application.

Landowner's Signature	Print Name	Date
Designated Agent's Signature*	Print Name	Date

* Designated agent must have a written statement from landowner authorizing him/her to secure a permit in the landowner's name

GENERAL CONDITIONS

In accordance with Rule 1709 promulgated under the authority of Part 91, Soil Erosion and Sedimentation Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and in addition to the information on the attached plan(s) and special conditions, the following general conditions apply to the earth change authorized by this permit:

- Design, construct, and complete the earth change in a manner that limits the exposed area of disturbed land for the shortest period of time.
- Remove sediment caused by accelerated soil erosion from runoff water before it leaves the site of the earth change.
- Temporary or permanent control measures shall be designed and installed to convey water around, through, or from the earth change at a non-erosive velocity.
- Install temporary soil erosion and sedimentation control measures before or upon commencement of the earth change activity and maintain the measures on a daily basis. Remove temporary soil erosion and sedimentation control measures after permanent soil erosion measures are in place and the area is stabilized. ("Stabilized" means the establishment of vegetation or the proper placement, grading, or covering of soil to ensure its resistance to soil erosion, sliding, or other earth movement.)
- Complete permanent soil erosion control measures for the earth change within five calendar days after final grading or upon completion of the final earth change. If it is not possible to permanently stabilize the earth change, then maintain temporary soil erosion and sedimentation control measures until permanent soil erosion control measures are in place and the area is stabilized.

SPECIFIC CONDITIONS

Letter of Authorization

To Secure a Soil Erosion and Sedimentation Control Permit

I, the landowner, of property, parcel # _____,

address _____,

authorize _____
(Print Designated Agent's Name)

to secure a Soil Erosion and Sedimentation Control permit for the earth change on my property.

Date: _____

Landowner's Name: _____

Company Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone Numbers: Home: _____ Cell: _____ Work: _____

E-mail: _____

(Landowners Signature/ Date)

(Print Name)

Designated Agent's Name: _____

Company Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone Numbers: Home: _____ Cell: _____ Work: _____

E-mail: _____

(Designated Agent's Signature/ Date)

(Print Name)

Site Plan Checklist

Rule 1703 Requirement	Included in Plan?	Comments
Map w/ Scale (1" = 200' or less)	☐ Yes ☐ No	
Nearest Road Intersection Labeled	☐ Yes ☐ No	
Legal Description of Property	☐ Yes ☐ No	
Location & Size of Proposed Earth Change	☐ Yes ☐ No	
Proximity of Proposed Earth Change to Lakes/Streams/Ponds/Drains	☐ Yes ☐ No	
Location & Size of Temporary Soil Stockpiles	☐ Yes ☐ No	
Predominant Geographic and Vegetation Features	☐ Yes ☐ No	
Location & Size of All Tree Lines/Forested Area	☐ Yes ☐ No	
Location & Size of All Existing Buildings/Structures	☐ Yes ☐ No	
Slope Description/Contour Intervals	☐ Yes ☐ No	
Soil Survey/Written Description of Soil Type	☐ Yes ☐ No	
Description & Location of the Physical Limits of Each Proposed Earth Change	☐ Yes ☐ No	
Description & Location of All Existing & Proposed On-Site Drainage & Dewatering Facilities	☐ Yes ☐ No	
Description & Location for Installing and Removing All TEMPORARY SESC Measurements	☐ Yes ☐ No	
Description & Location for All PERMANENT SESC Measurements	☐ Yes ☐ No	
Maintenance Program for all Permanent SESC Measures (Including Designated Responsible Person)	☐ Yes ☐ No	
Timing & Sequence of Construction/Proposed Earth Changes	☐ Yes ☐ No	

*** If No is checked above, the plan must be revised to include the missing element prior to submittal/approval.

Additional Earth Change Information

- | | | |
|--|--|--|
| Has earth-moving activity started? | ☐ Yes ☐ No | |
| Is the earth-moving activity over 1-acre? | ☐ Yes ☐ No | |
| Is the earth-moving activity over 5-acres? | ☐ Yes ☐ No | — If Yes, Licensed SWO must be on-site |
| Will the work be occurring in a wetland? | ☐ Yes ☐ No | — If Yes, contact MDEQ |
| Will de-watering occur? | ☐ Yes ☐ No | |
| Will work be occurring in a waterway/floodplain? | ☐ Yes ☐ No | — If Yes, contact MDEQ |
| Will a designated county drain be affected? | ☐ Yes ☐ No | — If Yes, contact Drain Office |
| Will fill be brought on-site? | ☐ Yes ☐ No | — Amount in Cubic Yards _____ |
| Will material be removed from site? | ☐ Yes ☐ No | — Amount in Cubic Yards _____ |

Site Plan:

Soil Erosion Control Plan

Legend

(Use key below to place needed objects on the plan, use a scale or ruler to draw home location and locate any other trees or buildings on the property. Label Roads. Show only the area that will be disturbed and the access drive.)

Property Line - - - - -

Existing Drainage - - - - -

Temp. Diversion ----TD---->

Finished Drainage →

Limits of Grading -----

Silt Fence \$ \$ \$

Show stone access drive,
tree preservation and
temporary soil stockpile.

Owner:

Phone #:

Scale: 1 inch = Feet

Legal Description:

Acceptable Control Measures

- Catch Basin Filter – Geotextile filter fabric placed inside a catch basin (storm drain) to filter suspended sediment from water. Must have regular maintenance after storm or snow melt events.
- Check Dam (Temporary) – A line of 4-8" stone piled a maximum of 2ft. high that slows the flow of water in ditches, swales, or natural drainage areas. Should be built so the center of the wall is lower than outside edges and spaced so the downslope is level with the bottom of the upslope.
- Detention/Retention Basin – Drainage basins or ponds designed to hold and filter water draining from developed site to prevent flooding and filter suspended sediment. (Required for most major projects.)
- Erosion Control Blanket – A blanket composed of biodegradable mesh material, interlaced with straw mulch, and sometimes containing grass seed that is staked in and trenched in at the top and flat against the ground. Used to control erosion on steep downslopes.
- Rip-Rap – Rocky type material (6-8" stone) placed on the edges of culverts or drainage outlets in a half-circle around the outlet to slow water.
- Silt Fencing – (Temporary) Wooden fence posts, support system, and a geotextile filter fabric used to keep suspended soil particles from leaving the site. Must be trenched to a depth of 6".
- Vegetative Buffer – A strip or area of vegetation used to filter sediment and pollutants from runoff with a minimum width of 25'.

Acceptable Stabilization Methods

Temporary:

- Mulch – Typically in the form of straw, spread heavily over a disturbed area to protect exposed soil from weather elements. Soil must not be visible through the mulch.
 - Used – In flat areas with a low amount of water runoff and/or with adequate protection from high winds.
- Erosion Blankets – Consist of straw, coconut fiber or excelsior fiber packed in web netting (sometimes with seed for more permanent stabilization). Laid at right angles, staked in place, and toed in at the top of the slope with a 6" overlap of all edges.
 - Used – In moderate/steep slopes on sites with soil that is susceptible to erosion.
- Hydro-Seed – Grass seed to stabilize the soil. (Use with mulch for a better barrier between the weather elements and the soil.)
 - Used – on flat areas with low volume of runoff.
- Tarps – Plastic sheets
 - Used – to cover stockpiles or small disturbances. (Not for large disturbances.)

Permanent:

- Established Vegetative Cover – Any form of vegetation that provides a root base in the soil and a barrier between the soil and the weather. (I.e. Sod, grass, native trees, shrubs, and ground cover)
- Woodchips – A thick layer of wood chips or other "permanent" mulch (only in non-sloped areas)
- Stone – A thick layer of stone (i.e. gravel drives, stone gardens, and pavers – use geotextile fabric underneath stone in swales and drives) (not for steep slopes)
- Pavement – Roads or driveways.

SOIL EROSION AND SEDIMENTATION CONTROL PLAN FOR NON-COMMERCIAL APPLICATIONS

Temporary Measures and Installation

SESC Measure	Installation Details	SESC Measure	Installation Details
Silt fence trenched in place a minimum of 6 inches.	SEE DETAIL FOR BURIED DEPTH 6 INCH MINIMUM UNDER-GROUND DETAIL	Flat Vegetative Buffer (No equipment, materials, vehicles, etc. are to be placed within the 20 foot, flat vegetative buffer.)	Construction Site Flat Vegetative Buffer (no incline) 20 feet Watercourse or Adjacent Property
Catch basin protection using a Dandy Bag Silt Sack, a Dandy Curb Sack, or a Grate Guard	...for basins in the middle of the roadway ...for basins in the curb of the roadway.		

SAMPLE SESC PLAN AND SITE PLAN

Temporary Measures

- ☑ Install a temporary gravel construction drive to control off-site tracking onto adjoining roadways. (Required in all subdivisions)
- ☑ Utilize street sweeping and/or scraping on an as needed basis for all adjacent roadways and driveways. (Required for sites on paved roads & daily for sites within subdivisions.)
- ☑ Protect existing street storm inlets or yard basins with Dandy Bags and SedCages. (Silt fencing material under grates is **NOT** acceptable.)
- ☑ Protect existing drains, ditches, watercourses, and adjacent properties with: (Select one or one will be chosen for you.)
 - ☐ Silt fencing (trenched in place properly, 6 inches) **OR**
 - ☐ Wattles (straw, compost, or wood chip filled anchored in place) **OR**
 - ☐ A 20 foot, flat vegetative buffer between your spoils piles and the water course. (Vegetative buffer is grass, weeds, winter wheat, etc.) **No equipment, materials, vehicles, etc. are to traverse or be placed within the 20 foot, flat vegetative buffer at any time.**

Permanent Measures

- ☑ Restore all disturbed ground with pavement, hydro-seed, seed and mulch, or sod/landscaping. **THIS MUST BE DONE WITHIN 5 DAYS OF FINAL GRADING TO COMPLY WITH THE PERMIT.**

Maintenance Plan for SESC Measures

SESC measures will be inspected once a week or after any rain event. All measures will be repaired and restored IMMEDIATELY if damaged.