

Stormwater Pollution Prevention Plan

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Name (Operator and/or Responsible Authority)

Date

Project Name and location information:	Fort Myers Brewing Company 12811 Commerce Lakes Drive #28 Fort Myers, FL 33913
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A site map must be developed and must contain, at a minimum, the following information:

1. Drainage patterns,
2. Approximate slopes after major grading activities,
3. Areas of soil disturbance,
4. Outline all areas that are not to be disturbed,
5. Location of all major structural and non-structural controls,
6. The location of expected stabilization practices,
7. Wetlands and surface waters, and
8. Locations where stormwater may discharge to a surface water or MS4.

Site Description

Describe the nature of the construction activity:	Construction of a 7,500+/- square foot 1-story commercial building and the supporting infrastructure.
Describe the intended sequence of major soil disturbing activities:	• Site preparation and stabilized construction entrance. • Install sediment and erosion control around wetlands/ROW/project boundary and as needed to prevent soil from leaving the site. • Install storm water retention basin and stockpile excavated material • Clear, grub, and grade all areas not designated buffers or conservation easements. • Install water distribution and wastewater collection systems. • Install storm sewer system. • Construct parking. • Install concrete slabs. • Frame structures. • Finish building; • Clean out sediment accumulated in retention basin • Final grade and install permanent grasses and planting. All disturbed areas to be reseeded or sodded • Remove erosion control when stabilization has been established to prevent soil from leaving the site. To be completed by Contractors/ Subcontractor(s); 1,2,3
Total area of the site:	20.64 Acres
Total area of the site to be disturbed:	11.30 Acres
Existing data describing the soil or quality of any stormwater discharge from the site:	Existing soil type is silty sand with a seasonal high water table varying from 0 to 1 feet below existing grade. Existing grade is naturally flat.
Estimate the drainage area size for each discharge point:	1. SubBasin 1- 6.49 acres 2. SubBasin 2- 2.67 acres

	3. SubBasin 2- 2.14 acres
Latitude and longitude of each discharge point and identify the receiving water or MS4 for each discharge point:	1. LAT: N 26° 33' 41.56" LON:W 81° 44'24.77"

Give a detailed description of all controls, Best Management Practices (BMPs) and measures that will be implemented at the construction site for each activity identified in the intended sequence of major soil disturbing activities section. Provide time frames in which the controls will be implemented. NOTE: All controls shall be consistent with performance standards for erosion and sediment control and stormwater treatment set forth in s. 62-40.432, F.A.C., the applicable Stormwater or Environmental Resource Permitting requirements of the Department or a Water Management District, and the guidelines contained in the Florida Development Manual: A Guide to Sound Land and Water Management (DEP, 1988) and any subsequent amendments.

- Prior to any soil disruption, a silt fence (trenched 4 inches deep and backfilled on the uphill side) shall be place around the project boundary. A double row of silt fence with field fencing shall be placed around wetland areas and buffers.
- During the clearing, grubbing, and site grading stages, areas that will not be worked for more than seven days, shall be seeded and mulched immediately. On all exposed slopes that are greater than or equal to 5%, an erosion blanket shall be used until these areas achieve final stabilization. A rock construction entrance composed of 6 inches of FDOT No. 1 Coarse Aggregate and have a length of at least 50 feet, shall be constructed to minimize sediment tracking both on and off the site. There will be only one construction entrance at this site.
- Following the clearing, grubbing, and site grading stages, once all proposed inlets have been installed, such inlets shall be protected and maintained as specified in the plan set. All drop inlets shall be protected by either a fabric inlet filter or a prefabricated filter bag. All proposed curb inlets shall be protected by gravel filled sand bags or filter sock.
- All BMPs shall be installed and maintained as specified on the "typical" sheet.

To be completed by Contractors/ Subcontractor(s); TBD

Describe all temporary and permanent stabilization practices. Stabilization practices include temporary seeding, mulching, permanent seeding, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, vegetative preservations, etc.

- Temporary seeding shall take place in any disturbed areas that are inactive more than 7 days. Prior to seeding, 1 fertilizer shall be applied to each acre to be stabilized as specified by the manufacturer. Rye (grain) seed shall be used as the temporary seed and applied at a rate of 120 pounds per acre. After seeding, each area shall be mulched with 4,000 pounds of straw per acre. The straw mulch is to be tacked into place by a disk with blades set nearly straight. Areas of the site which are to be paved will be temporarily stabilized with primed limerock base.
- Sod shall be used to stabilize the sides of the retention basin.
- Filter fabric shall be placed under the rock entrance/exit, swale outfalls and the retention pond outfall.

To be completed by Contractors/ Subcontractor(s); TBD

Describe all structural controls to be implemented to divert stormwater flow from exposed soils and structural practices to store flows, retain sediment on-site or in any

other way limit stormwater runoff. These controls include silt fences, earth dikes, diversions, swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, coagulating agents and temporary or permanent sediment basins.
• A silt fence (installed as indicated under the BMPs heading) shall be installed around the entire perimeter. A double row of silt fence reinforced with field fence (installed as indicated under the BMPs heading) shall be placed around the vegetative buffers and wetlands. • All lakes shown in the site plan are to be dug and used as temporary sediment basin (prior to being connected to a discharge structure) if needed. • Inlets/outlets shall be protected as described in the BMPs heading. • Rock outlet protection lined with filter fabric shall be installed at all outfall points. To be completed by Contractors/ Subcontractor(s); TBD
Describe all sediment basins to be implemented for areas that will disturb 10 or more acres at one time. The sediment basins (or an equivalent alternative) should be able to provide 3,600 cubic feet of storage for each acre drained. Temporary sediment basins (or an equivalent alternative) are recommended for drainage areas under 10 acres.
• Not applicable, the retention basin (prior to being connected to a discharge structure) may be used as temporary sediment basin if needed. To be completed by Contractors/ Subcontractor(s); TBD
Describe all permanent stormwater management controls such as, but not limited to, detention or retention systems or vegetated swales that will be installed during the construction process.
• A stormwater retention basin shall be constructed per ERP Application No. 210812-7125 • A dry detention system shall be constructed per ERP Application No. 210812-7125 To be completed by Contractors/ Subcontractor(s); TBD

Describe in detail controls for the following potential pollutants

Waste disposal, this may include construction debris, chemicals, litter, and sanitary wastes:	All waste materials will be collected and stored. Removal will be by a licensed solid waste management company in Lee County. The dumpsters will meet all state and local solid waste management regulations. All trash and construction debris from the site will be deposited in the dumpsters. The dumpster will be emptied a minimum of once a week or more often if necessary, and the trash will be hauled to the licensed solid waste disposal facility. No construction waste materials will be buried onsite. The dumpster will be location as shown in the plan. All personnel will be instructed regarding the correct procedure for waste disposal. Notices stating these practices will be posted in the office trailer and Project Superintendent will be responsible for seeing that these procedures are followed. In addition, Material Safety Data Sheets will be on site for all items used. All hazardous waste materials will be disposed of in the manner specified by local or State regulations or by the manufacturer. Site personnel will be instructed in these practices and the Project Superintendent will be responsible for seeing that these practices are followed. All sanitary waste will be collected from the portable units by a licensed sanitary waste management contractor in accordance with local regulation. To be completed by Contractors/ Subcontractor(s); TBD
Offsite vehicle tracking from construction entrances/exits:	A stabilized construction entrance has been provided to help reduce vehicle tracking of sediments. The paved street adjacent to the site entrance will be swept as needed, at a minimum weekly, to remove any excess mud, dirt or rock tracked from the site. Dump trucks hauling material from the construction site will be covered with a tarpaulin. To be completed by Contractors/ Subcontractor(s); TBD

The proper application rates of all fertilizers, herbicides and pesticides used at the construction site:	Florida-friendly fertilizers and pesticides will be used at a minimum in accordance with the manufacturer's suggested application rates. The fertilizers and pesticides will be stored in a covered shed, as indicated in the plan set. To be completed by Contractors/ Subcontractor(s); TBD
The storage, application, generation and migration of all toxic substances:	A double walled fuel tank will be placed on a drip plan to contain and prevent any drips or leaks from being discharged in stormwater runoff. All paints and other chemicals will be stored in a locked covered shed, as show indicated in the plan. A spill prevention plan is also in place to minimize the number of spills that may occur. To be completed by Contractors/ Subcontractor(s); TBD
Other:	All sanitary waste will be collected from the portable units by a licensed sanitary waste management contractor in accordance with local regulations and will be placed away from surface waters, wetlands, and stormwater systems. No vehicle maintenance is to occur on-site. A washdown area shall be designated and will not be located in any areas that will allow for the discharge of polluted runoff. A small vegetated berm shall be placed around the washdown area. To be completed by Contractors/ Subcontractor(s); TBD

Provide a detailed description of the maintenance plan for all structural and non-structural controls to assure that they remain in good and effective operating condition.

- All control measures will be inspected at least once each week and following any storm event of 0.50 inches or greater.
- All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of report.
- Silt fence will be inspected for depth of sediment, tears, to see if the fabric is securely attached to the fence posts, and to see that the fence posts are firmly in the ground.
- Built up sediment will be removed from silt fence when it has reached one-half the height of the fence.
- The perimeter berm will be inspected and any breaches promptly repaired.
- Temporary and permanent grassing and planting will be inspected for bare spots, washouts, and healthy growth.
- Bare areas of the site that have been previously seeded will be reseeded as per the manufacturers' instructions.
- Maintenance shall be performed on the construction entrance when any void spaces become full of sediment.

To be completed by Contractors/ Subcontractor(s); TBD

Inspections: Describe the inspection and inspection documentation procedures, as required by Part V.D.4. of the permit. Inspections must occur at least once a week and within 24 hours of the end of a storm event that is 0.50 inches or greater (see attached form).

- The Project Superintendent will select qualified personnel who will be responsible for inspections, maintenance and repair activities, and filling out the inspection and maintenance report.
- A maintenance inspection report will be made after each inspection. A copy of the report form to be completed by the inspector is attached.
- Personnel selected for inspection and maintenance responsibilities will receive training from the Project Superintendent. They will be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used onsite in good working order.
- Where sites have been stabilized, these inspections shall be conducted at least once every month until the Notice of Termination is filled.

To be completed by Contractors/ Subcontractor(s); TBD

Identify and describe all sources of non-stormwater discharges as allowed in Part IV.A.3. of the permit. Flows from fire fighting activities do not have to be listed or described.

It is expected that the following non-storm water discharges will occur from the site during the construction period:

- Water from waterline flushing
- Pavement wash waters (where no spills or leaks of toxic or hazardous materials have occurred).
- Uncontaminated groundwater (from dewatering excavation if necessary).

All non-storm water discharges will be directed to the detention lakes prior to discharge. Turbid water from the stormwater pond shall not be pumped directly into receiving waters. Any pumped water shall be treated to prevent the discharge of polluted stormwater. Treatment can include but is not limited to settling ponds, silt fences, and the proper use of flocculating agents.

To be completed by Contractors/ Subcontractor(s); TBD

This SWPPP must clearly identify, for each measure identified within the SWPPP, the contractor(s) or subcontractor(s) that will implement each measure. All contractor(s) and subcontractor(s) identified in the SWPPP must sign the following certification:

“I certify under penalty of law that I understand, and shall comply with, the terms and conditions of the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities and this Stormwater Pollution Prevention Plan prepared thereunder.”

Name	Title	Company Name, Address and Phone Number	Date
TBD	TBD	TBD	TBD
TBD	TBD	TBD	TBD
TBD	TBD	TBD	TBD
TBD	TBD	TBD	TBD
TBD	TBD	TBD	TBD

Stormwater Pollution Prevention Plan Inspection Report Form

Inspections must occur at least once a week and within 24 hours of the end of a storm event that is 0.50 inches or greater.

Project Name: **Fort Myers Brewing Company**

FDEP NPDES Stormwater Identification Number:

Location	Rain data	Type of control (see below)	Date installed / modified	Current Condition (see below)	Corrective Action / Other Remarks

Condition Code:

G = Good

M = Marginal, needs maintenance or replacement soon

P = Poor, needs immediate maintenance or replacement

C = Needs to be cleaned O = Other

Control Type Codes

1. Silt Fence	10. Storm drain inlet protection	19. Reinforced soil retaining system	28. Tree protection
2. Earth dikes	11. Vegetative buffer strip	20. Gabion	29. Detention pond
3. Structural diversion	12. Vegetative preservation area	21. Sediment Basin	30. Retention pond
4. Swale	13. Retention Pond	22. Temporary seed / sod	31. Waste disposal / housekeeping
5. Sediment Trap	14. Construction entrance stabilization	23. Permanent seed / sod	32. Dam
6. Check dam	15. Perimeter ditch	24. Mulch	33. Sand Bag
7. Subsurface drain	16. Curb and gutter	25. Hay Bales	34. Other
8. Pipe slope drain	17. Paved road surface	26. Geotextile	
9. Level spreaders	18. Rock outlet protection	27. Rip-rap	

Inspector Information:

Name

Qualification

Date

The above signature also shall certify that this facility is in compliance with the Stormwater Pollution Prevention Plan and the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities if there are not any incidents of non-compliance identified above.

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"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Name (Responsible Authority)

Date