



December 5, 2017

Robert D. Patterson, P.E.  
Environment Engineer  
NC Dept. of Environmental Quality  
DEMLR Stormwater Program  
512 N. Salisbury St.  
1612 Mail Service Center  
Raleigh NC 27699-1612

Re: 2017 Annual Report  
Permit No. NCS 000455

Dear Mr. Patterson,

The Town of Oak Island is pleased to submit our 2017 Annual Report for our Stormwater Management Program.

Please contact me at 910-201-8008 if you any questions.

Sincerely,

A handwritten signature in black ink that reads "Gene Kudgus". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Gene Kudgus, P.E.  
Stormwater Administrator  
Town of Oak Island, N.C.

2017 Annual Report  
Stormwater Management Program

Permit No. NCS 000455



Town of Oak Island, N.C.

December 5, 2017

### Public Education and Outreach

- Distributed Stormwater Pollution Prevention materials to County Library in Oak Island, Town Hall and Town Recreation Center.
- Participated in Halloween Festival at Recreation Center. Handed out “Dirt in Drain” Frisbees as well as other educational pamphlets.
- Conducted workshop for builders, landscapers, Town/Community Development Services staff and surveyors regarding erosion and sediment control requirements for single family residential development.
- Completed Community Rating System (CRS) module for Stormwater for community flood insurance credits.
- Purchased Coastal Model Enviroscape for Stormwater educational presentations to schools, environmental groups and the general public.
- Assisted with “Smart Yards” program at Earth Day celebration on April 21, 2017.
- Assisted with Rain Garden demonstration project at Bill Smith Park.
- Maintained Stormwater Pollution Prevention Hotline. Responded to calls from public regarding ditch and culvert issues.

### Public Involvement and Participation

- Public “Marsh Cleanup” conducted March 25, 2017. Sponsored by Oak Island Environmental Advisory Committee.
- The Oak Island Environmental Advisory Committee is an official board appointed by Town Council that serves in an advisory capacity to the Town regarding stormwater issues.
- Made presentation to Rotary Club on Town’s Stormwater Program
- “Smart Yard” information center established at Town Recreation Center
- Volunteers recruited to participate in Town Adopt-a-Highway pick-up along East Oak Island Drive. Participants reported blocked, non-functioning culverts and catch basins.

### Illicit Discharge Detection and Elimination

- Conducted dry weather inspections of stormwater discharge points throughout service area. Met with Water/Sewer Department staff to have them assist in looking for and reporting Stormwater problems while working in their respective areas throughout the Town.
- Maintained and updated Stormwater System maps.
- Continue to maintain Illicit Discharge, Stormwater Pollution hotline.

### Construction Site Run-Off Controls

- Conducted workshops, information meetings with Development Services staff regarding requirements and enforcement for erosion and sedimentation controls at construction sites, especially for single family residences.
- At public meetings, encouraged the public to use stormwater hotline to notify the Town of observed erosion and sedimentation problems.
- Notify Development Services Department (Inspections and Code Enforcement) of any and all observed erosion and sedimentation control violations. Follow-up for resolution and compliance.

### Post Construction Site Run-Off Controls

- Solved major flooding issue in area for Beach Drive, SE 71<sup>st</sup> Street to SE 76<sup>th</sup> Street. Study and analysis performed in drainage area resulting in design and construction of stormwater piping project to alleviate problem.
- Reviewed stormwater plans for four commercial developments and one major subdivision. Wrote and issued stormwater permits for each.
- Since January 1, 2017, have reviewed and issued approvals for 380 stormwater plans for single family residential development. In the six months prior to that, reviewed and approved 150 single family residential stormwater plans.

### Pollution Prevention and Good Housekeeping for Municipal Operations

- Continue with catch basin cleaning.
- Clean and re-establish ditches in problem areas throughout town
- Clean blocked culverts in several areas of town. Work with Town Sewer Department staff and equipment (Vactor truck).
- Repair, replace deteriorated and collapsed culverts working with Town Street Department.
- Continue operation of Town facility for disposal/recycling of used oil and oil filters.
- Maintain Town vehicle washing station. Review procedures, proper use and maintenance of the facility with town staff.
- Conducted inspection of facilities, Street Dept. , Town Maintenance Garage, Sewer Vacuum Stations, Pump Stations and Town Parking Lots. Review operations for good housekeeping practices.

Town of Oak Island  
Stormwater Management Program  
Permit Number: NCS000455  
County: Brunswick  
Report Number: NCS000455\_2017  
Region: Wilmington

MS4 Contact Information  
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