




Controlled

Standard Operating Procedure – ESCCA- 0018 Name : Commercial Swimming Pool Draining Policy	Corresponding Requirements: ISO Standard: 8.1
Prepared By: William Roy-Environmental Compliance Manager	Revision #: 1 Revision Date: 09/06/2017
Approved By: Beth Eckert-Environmental Management Director Signature: 	Effective Date: 05/04/2016

**Commercial Swimming Pool Draining Policy
Standard Operating Procedure**

1.0 Purpose

- 1.1 The purpose is to minimize the impact of commercial pool drainage to sanitary sewer collection system by regulating the discharge rate and water quality.
- 1.2 Deviation from this procedure could result:
 - 1.2.1 In violations of the Cape Fear Public Utility Authority’s NPDES Permits, the Collection System Permit, and the Federal Clean Water Act.
 - 1.2.2 In an upset to, or pass through violations at, the Northside and Southside Wastewater Treatment Plants.
 - 1.2.3 In sanitary sewer overflows.

2.0 Associated Equipment

2.1 N/A

3.0 Associated Reference Material

- 3.1 Cape Fear Public Utility Authority’s Sewer Use Ordinance.
- 3.2 Northside and Southside WWTP’s NPDES permits NC0023965 and NC0023973.
- 3.3 CFPUA Collection System Permit WQCS00012.

4.0 Sample Handling

4.1 N/A

5.0 Interferences

5.1 N/A

6.0 Chemicals & Reagents

6.1 N/A

7.0 Procedure

- 7.1 2.1 (b) (13) of Cape Fear Public Utility Authority’s Sewer Use Ordinance prohibits swimming pool drainage into the sanitary sewer unless specifically authorized by the Publically Owned Treatment Works (POTW). Cape Fear Public Utility Authority is willing to allow connection and discharge from **commercial swimming pools** to the sanitary sewer collection system with the following stipulations:
 - 7.1.1 Pool specifications (size, capacity in gallons, and piping diagram) must be submitted to Cape Fear Public Utility Authority’s Environmental Management Department.
 - 7.1.2 The drainage from the swimming pool must be piped through a service connection not to exceed two (2”) inches in diameter.

- 7.1.3 The discharge rate must not exceed 30 gpm.
- 7.1.4 pH must be between 6.0 and 9.0 standard units.
- 7.1.5 Total chlorine residual must be less than 3.0 ppm (mg/L)
- 7.1.6 The discharge can only take place between 9:00 PM and 6:00 AM Sunday through Friday, excluding holidays.
- 7.1.7 Operations staff must be notified 24 hours prior to draining. Notify either the Utilities Collection System Manager at 910-332-6637 or the Pump Station Supervisor at 910-332-6446.
- 7.1.8 Specific questions concerning this policy should be directed to the Environmental Management Department at 910-332-6558.

7.2 **Backwash** from commercial swimming pools, whether chlorine or salt water, will be allowed to be discharged to the sanitary sewer.

7.3 **Problems** arising downstream related to commercial swimming pools will be investigated and appropriate enforcement actions will be taken dependent upon the situation.

7.4 **Residential swimming pool drainage to the sanitary sewer is prohibited** and must follow stormwater guidelines from the City of Wilmington and New Hanover County. These guidelines are found on their websites. Exceptions may be made to drain a residential pool with prior approval from CFPUA.

8.0 Calculations

8.1 None

9.0 Quality Control

9.1 None

10.0 Deviations from this procedure must be documented by completing a Corrective / Preventative Action Form EMS-0005A

11.0 Revision History:

Revision		C/PAR #	Reason for Revision	Description of Revision
Date	#			
09-06-17	/ 1	812	Addressed Backwash	Addressed Backwash, Updated document control for ISO 14001:2015