

**CITY OF PORTSMOUTH  
DEPARTMENT OF PUBLIC WORKS  
INTEROFFICE MEMORANDUM**

**To: Brian Goetz**  
**CC: Terry Desmarais**  
**From: Mike Merrill**  
**Date: July 5 , 2016**  
**RE: CSO 10A and CSO 10B and CSO Deer Street – June 2016 Results**

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See attached CSO flow monitoring and rainfall results for June 2016 to be attached to the DMR report for the Peirce Island WWTF. Note the rainfall related CSO events for:

**CSO 10A**

6/05/2016; Q = 0.035 MG Rain 1.36 Inches  
6/29/2016; Q = 0.005 MG Rain 0.00 Inches  
**TOTAL Q = 0.0400 MG TOTAL RAIN 1.59 Inches**

**CSO 10B**

There were no overflows during this time period

**DEER STREET OVERFLOW**

6/05/2016; Q = 0.052 MG Rain 1.36 Inches  
**TOTAL Q = 0.052 MG TOTAL RAIN 1.59Inches**

Overflow Summary for Portsmouth, NH  
Site 10A

Time Stamp	Total (mg)	Rain Gauge City Hall (inches)
6/1/2016 0:00	0	0
6/2/2016 0:00	0	0.01
6/3/2016 0:00	0	0
6/4/2016 0:00	0	0
6/5/2016 0:00	0.035	1.36
6/6/2016 0:00	0	0
6/7/2016 0:00	0	0.01
6/8/2016 0:00	0	0
6/9/2016 0:00	0	0
6/10/2016 0:00	0	0
6/11/2016 0:00	0	0.03
6/12/2016 0:00	0	0
6/13/2016 0:00	0	0
6/14/2016 0:00	0	0
6/15/2016 0:00	0	0
6/16/2016 0:00	0	0
6/17/2016 0:00	0	0
6/18/2016 0:00	0	0
6/19/2016 0:00	0	0
6/20/2016 0:00	0	0
6/21/2016 0:00	0	0.05
6/22/2016 0:00	0	0.1
6/23/2016 0:00	0	0
6/24/2016 0:00	0	0
6/25/2016 0:00	0	0
6/26/2016 0:00	0	0
6/27/2016 0:00	0	0
6/28/2016 0:00	0	0.03
6/29/2016 0:00	0.005	0
6/30/2016 0:00	0	0
	0.0400 mg	1.59 Inches

Note thunderstorms on this day were scattered throughout the City. Attached is a summary of rainfall measured at other parts of the City.

Overflow Summary for Portsmouth, NH  
Site 10B

Time Stamp	Total (mg)	Rain Gauge City Hall (inches)
6/1/2016 0:00	0	0
6/2/2016 0:00	0	0.01
6/3/2016 0:00	0	0
6/4/2016 0:00	0	0
6/5/2016 0:00	0	1.36
6/6/2016 0:00	0	0
6/7/2016 0:00	0	0.01
6/8/2016 0:00	0	0
6/9/2016 0:00	0	0
6/10/2016 0:00	0	0
6/11/2016 0:00	0	0.03
6/12/2016 0:00	0	0
6/13/2016 0:00	0	0
6/14/2016 0:00	0	0
6/15/2016 0:00	0	0
6/16/2016 0:00	0	0
6/17/2016 0:00	0	0
6/18/2016 0:00	0	0
6/19/2016 0:00	0	0
6/20/2016 0:00	0	0
6/21/2016 0:00	0	0.05
6/22/2016 0:00	0	0.1
6/23/2016 0:00	0	0
6/24/2016 0:00	0	0
6/25/2016 0:00	0	0
6/26/2016 0:00	0	0
6/27/2016 0:00	0	0
6/28/2016 0:00	0	0.03
6/29/2016 0:00	0	0
6/30/2016 0:00	0	0
	0.0000 mg	1.59 Inches

Overflow Summary for Portsmouth, NH  
Site Deer Street

Time Stamp	Total (mg)	Rain Gauge City Hall (inches)
6/1/2016 0:00	0	0
6/2/2016 0:00	0	0.01
6/3/2016 0:00	0	0
6/4/2016 0:00	0	0
6/5/2016 0:00	0.052	1.36
6/6/2016 0:00	0	0
6/7/2016 0:00	0	0.01
6/8/2016 0:00	0	0
6/9/2016 0:00	0	0
6/10/2016 0:00	0	0
6/11/2016 0:00	0	0.03
6/12/2016 0:00	0	0
6/13/2016 0:00	0	0
6/14/2016 0:00	0	0
6/15/2016 0:00	0	0
6/16/2016 0:00	0	0
6/17/2016 0:00	0	0
6/18/2016 0:00	0	0
6/19/2016 0:00	0	0
6/20/2016 0:00	0	0
6/21/2016 0:00	0	0.05
6/22/2016 0:00	0	0.1
6/23/2016 0:00	0	0
6/24/2016 0:00	0	0
6/25/2016 0:00	0	0
6/26/2016 0:00	0	0
6/27/2016 0:00	0	0
6/28/2016 0:00	0	0.03
6/29/2016 0:00	0	0
6/30/2016 0:00	0	0
	0.0520 mg	1.59 Inches

Time Stamp	10A Daily Flow (mg)	10B Daily Flow (mg)	City Hall Daily Rain (in)	Deer St Daily Flow (mg)	Lafayette Rd Daily Rain (in)
6/1/2016 0:00	0	0	0	0	0
6/2/2016 0:00	0	0	0.01	0.01	0.01
6/3/2016 0:00	0	0	0	0	0
6/4/2016 0:00	0	0	0	0	0
6/5/2016 0:00	0.035	0	1.36	0.052	1.85
6/6/2016 0:00	0	0	0	0	0.01
6/7/2016 0:00	0	0	0.01	0	0.01
6/8/2016 0:00	0	0	0	0	0
6/9/2016 0:00	0	0	0	0	0
6/10/2016 0:00	0	0	0	0	0
6/11/2016 0:00	0	0	0.03	0	0.11
6/12/2016 0:00	0	0	0	0	0
6/13/2016 0:00	0	0	0	0	0
6/14/2016 0:00	0	0	0	0	0
6/15/2016 0:00	0	0	0	0	0
6/16/2016 0:00	0	0	0	0	0
6/17/2016 0:00	0	0	0	0	0
6/18/2016 0:00	0	0	0	0	0
6/19/2016 0:00	0	0	0	0	0
6/20/2016 0:00	0	0	0	0	0
6/21/2016 0:00	0	0	0.05	0	0.04
6/22/2016 0:00	0	0	0.1	0	0.17
6/23/2016 0:00	0	0	0	0	0
6/24/2016 0:00	0	0	0	0	0
6/25/2016 0:00	0	0	0	0	0
6/26/2016 0:00	0	0	0	0	0
6/27/2016 0:00	0	0	0	0	0
6/28/2016 0:00	0	0	0.03	0	0.12
6/29/2016 0:00	0.005	0	0	0	0.19
6/30/2016 0:00	0	0	0	0	0.01
	0.04		1.59	0.052	2.52