



EPA Consent Decree
Annual Information Meeting
Regional Wet Weather
Management Plan

January 26, 2016

Requirements of the Consent Decree

- *“...after providing reasonable notice on its webpage and in a newspaper of general circulation”*
- *“...shall hold an annual informational meeting open to the Localities and the public”*
- *“HRSD shall convey information on the status of the Regional Wet Weather Management Plan, HRSD – Locality cooperation and steps citizens within the Localities can take to protect the receiving waters”*

Objective of the Consent Decree

- “HRSD, working in consultation with the Localities, to fulfill the objectives of the Clean Water Act with a goal of eliminating Sanitary Sewer Overflows (SSOs)”
- The Regional Wet Weather Management Plan will establish the Level of Service for elimination of SSOs



Regionalized Approach

- Localities and HRSD agreed in Memorandum of Agreement to Regionalized Approach
- HRSD will be responsible for capacity in the regional sanitary sewer system
- HRSD completed additional flow monitoring and SSES in Locality systems in 2015
- Capacity Evaluation to be conducted in early 2016

Major Change in Compliance Orders

- Consent Decree Modification No. 3 in August 2014 puts sole responsibility on HRSD for:
 - Development of Regional Wet Weather Management Plan (RWWMP)
 - Implement RWWMP
 - Capacity in the entire regional sanitary sewer system
- Special Order by Consent (SOC) modified in December 2014 focuses on Management, Operations and Maintenance (MOM) issues
 - Eliminates HRSD from SOC
 - Adds Norfolk to SOC and terminates prior Order

Overall Regulatory Status

- HRSD continues to implement requirements of Federal Consent Decree which was originally entered with the court on February 23, 2010, and modified August 2014
- All Consent Decree required submittals have been on time

Rehabilitation Action Plan

- Addresses condition defects identified in Consent Decree Condition Assessment Program
- Addresses gravity mains, force mains, pump stations, and associated system components
- Plan updated in December 2014 outlines \$183 M in projects
- EPA/DEQ approved the plan in May 2015
- Project implementation is underway
- Out of the 61 projects, eight (8) are completed, four (4) are in construction and seventeen (17) are in planning/design.

Interim System Improvements

- Consent Decree includes requirement to complete 45 CIP projects totaling more than \$300 M by February 23, 2018 (with exception of two projects due December 2018)
- Of the 45 projects, twenty-two (22) are completed, eighteen (18) are in construction, and the remaining five (5) are in planning/design
- On track for completion by 2018 deadline

Management, Operations, and Maintenance (MOM) Program

- MOM Program approved by EPA/DEQ in 2011
- The MOM Program was updated in July 2015 and now reflects:
 - Organizational updates
 - Current programs and updated status of initiatives
- Performance measures are continuing to be tracked to evaluate the effectiveness of the programs
- Continuous improvements initiatives are being completed and new ones added accordingly

FY2015 MOM Program Performance

- 56 metrics targeted for FY2015
- 54 met or exceeded specified goals
 - Includes 6 Consent Decree required metrics
- 2 additional measures are planned to begin tracking with the completion of the RWWMP.
- 1 metric fell short of targets
 - “Miss” Utility Responses – 7 missed out of 46,600

Consent Decree Performance Measures Review

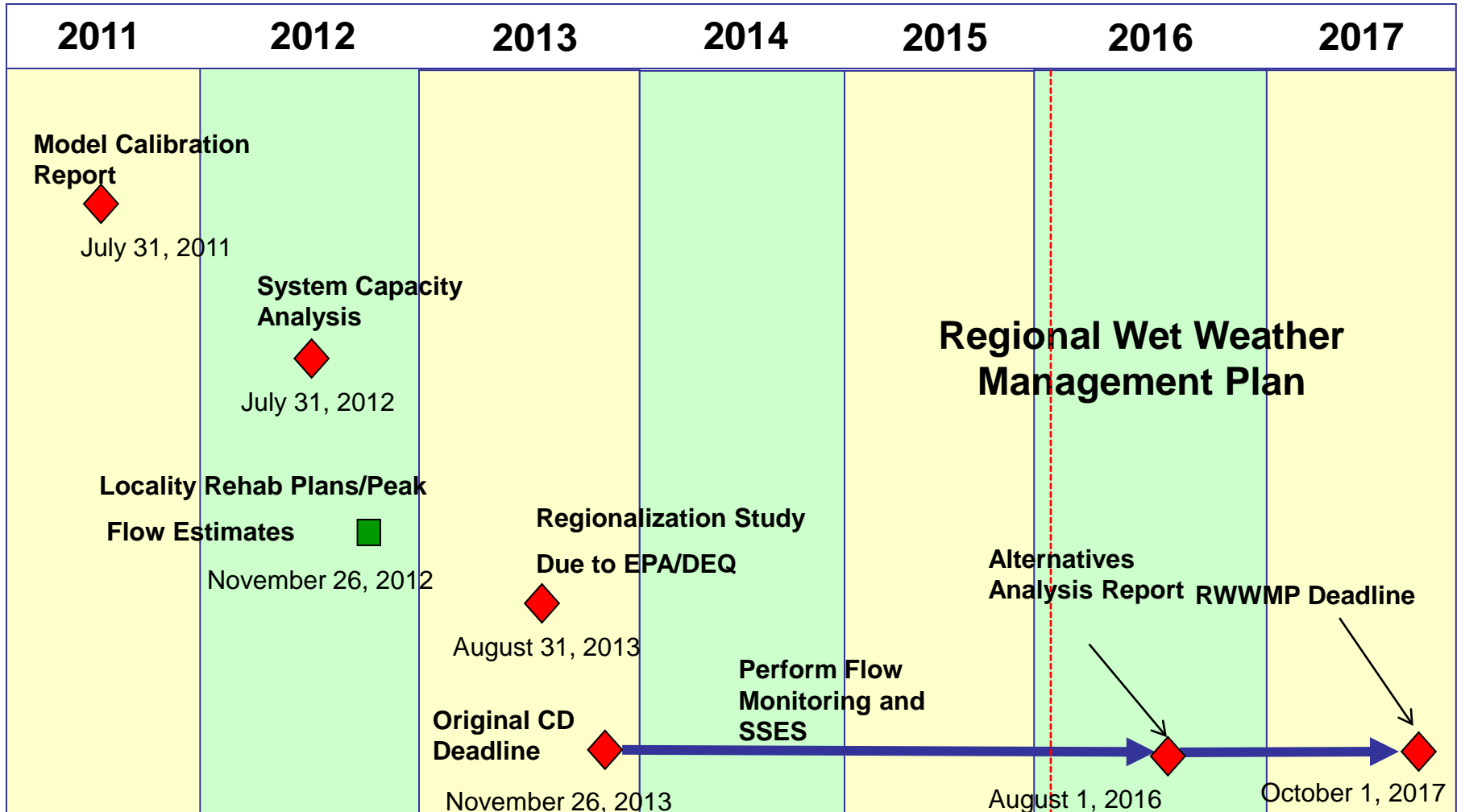
Year over Year Performance Summary

Metric	Target	FY-12 Actual	FY-13 Actual	FY-14 Actual	FY-15 Actual
Pump Station Annual PM	82	84	83	83	84
Back-up Generator Annual PM	55	112	81	121	129
Force Main Air Vent PM	1,550	3,096	3,274	3,304	3,486
Non-Invasive Force Main Inspection	2,400 LF	15,098 LF	2,800 LF	2,562 LF	4,355 LF
Gravity Sewer Inspection	39,600 LF	72,730 LF	98,185 LF	81,841 LF	89,757 LF
Gravity Sewer Cleaning	29,400 LF	234,463 LF	207,724 LF	194,838 LF	208,059 LF

Regional Wet Weather Management Plan (RWWMP)

- Alternative Analysis Report due in August 2016. Outlines selected level of service, approximate total cost, and range of schedule.
- RWWMP will finalize the projects, costs and schedule to address capacity challenges to a selected level of service
- Approved RWWMP will be incorporated into the Consent Decree by reference

Consent Decree RWWMP Development Schedule



◆ Consent Decree Submittal

■ Original SOC Submittal



Recent SSOs

Calendar Year	# of SSOs	Volume (gal)	# of Unknown SSO Volumes (during wet weather)	Total Inches of Rain near ORF
2011	35	1,879,591	13	55
2012	40	22,847,617*	6	52
2013	14	714,077	2	50
2014	29	2,187,515	10	45
2015	18	414,154	3	53

*Included single SSO at Wilroy Road of 18,352,000 gallons. Remaining volume ~4,500,000 gallons for 2012

Coordination with Localities

- Periodic meetings of Capacity Team
- Monthly Directors' of Utilities meetings
- HRSD providing GIS, flow, pressure and rainfall data to localities

- Annual newsletter (fifth due out before February 23, 2016)
- Annual public informational meeting with public notice (January 26, 2016)
- Public outreach regarding overflows
 - *“...a public outreach program to inform the public of any SSO Outfalls within the Regional SS System, the possible health and environmental effects of SSOs and that recreational activities, such as swimming, should be limited as a result of such SSOs.”*

Steps Citizens Can Take to Protect Receiving Waters

- Report Sanitary Sewer Overflows – Call your local utility department
- Inspect home, yard and sewer service pipes to ensure separation between storm and sanitary systems
- Practice proper disposal of pharmaceuticals, food wastes and kitchen grease – minimize use or eliminate garbage disposal
- Reduce storm water runoff by using rain barrels, rain gardens and establishing a buffer

Steps Citizens Can Take to Protect Receiving Waters (Cont.)

- Improve water quality by raising oysters
- Limit synthetic fertilizer and other lawn chemical applications – use natural products like compost
- Pick up animal waste
- Avoid feeding wildlife
- Support “No Dumping” and use boater pump out facilities

Questions?
