

# Status of Combined Sewer Overflow Abatement

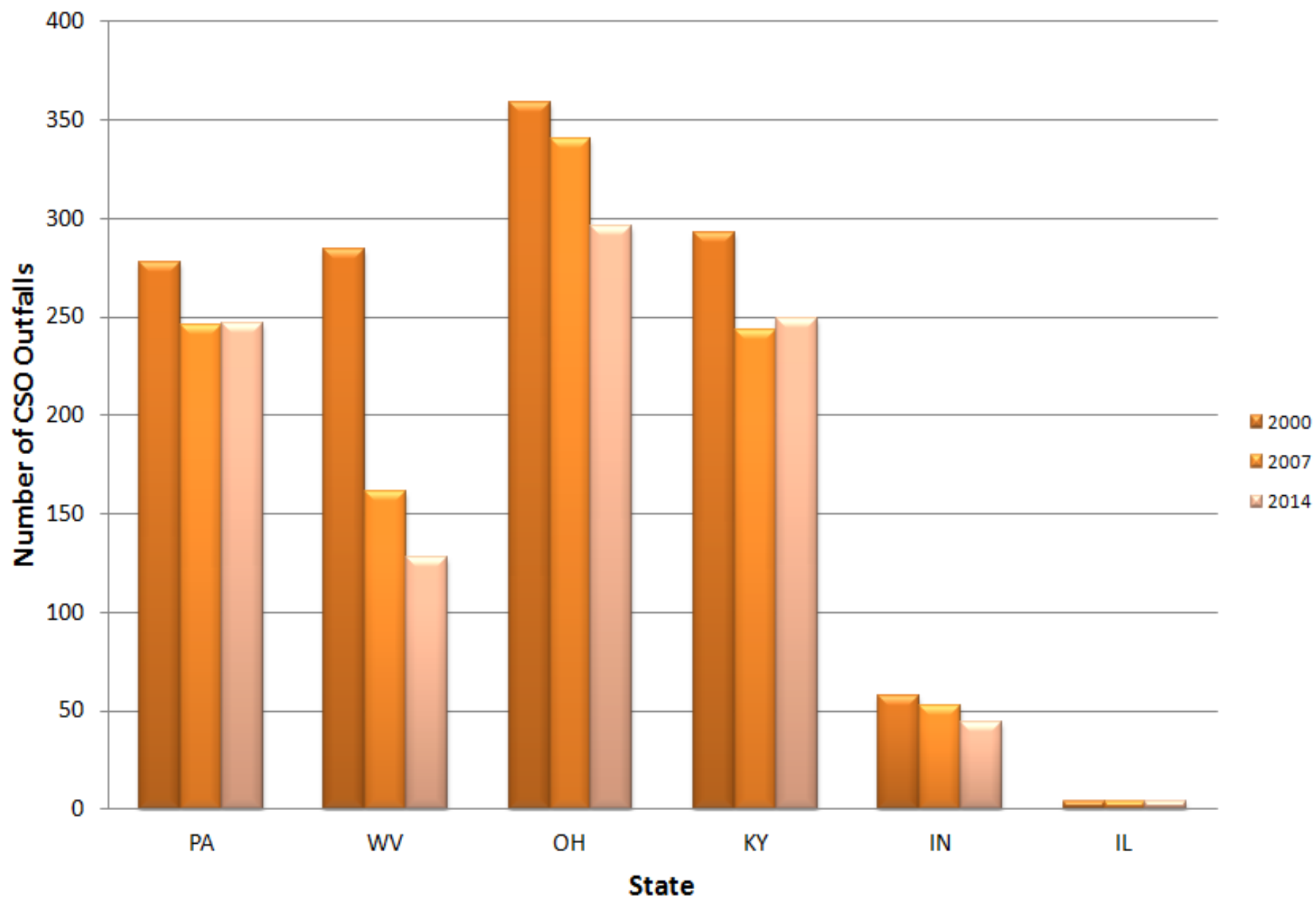


February 11-12, 2015  
Agenda Item 10

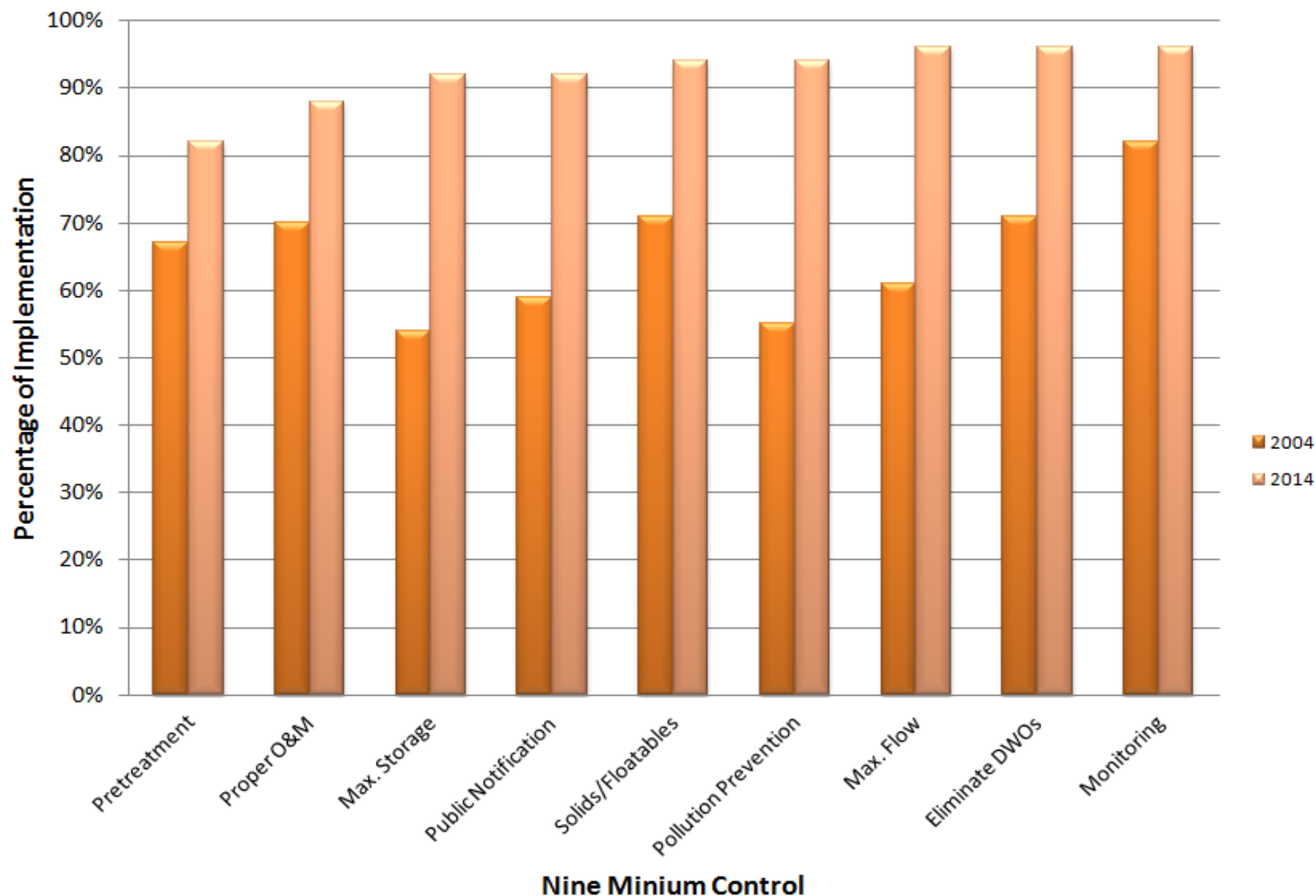




## CSO Outfalls in the Ohio River Communities

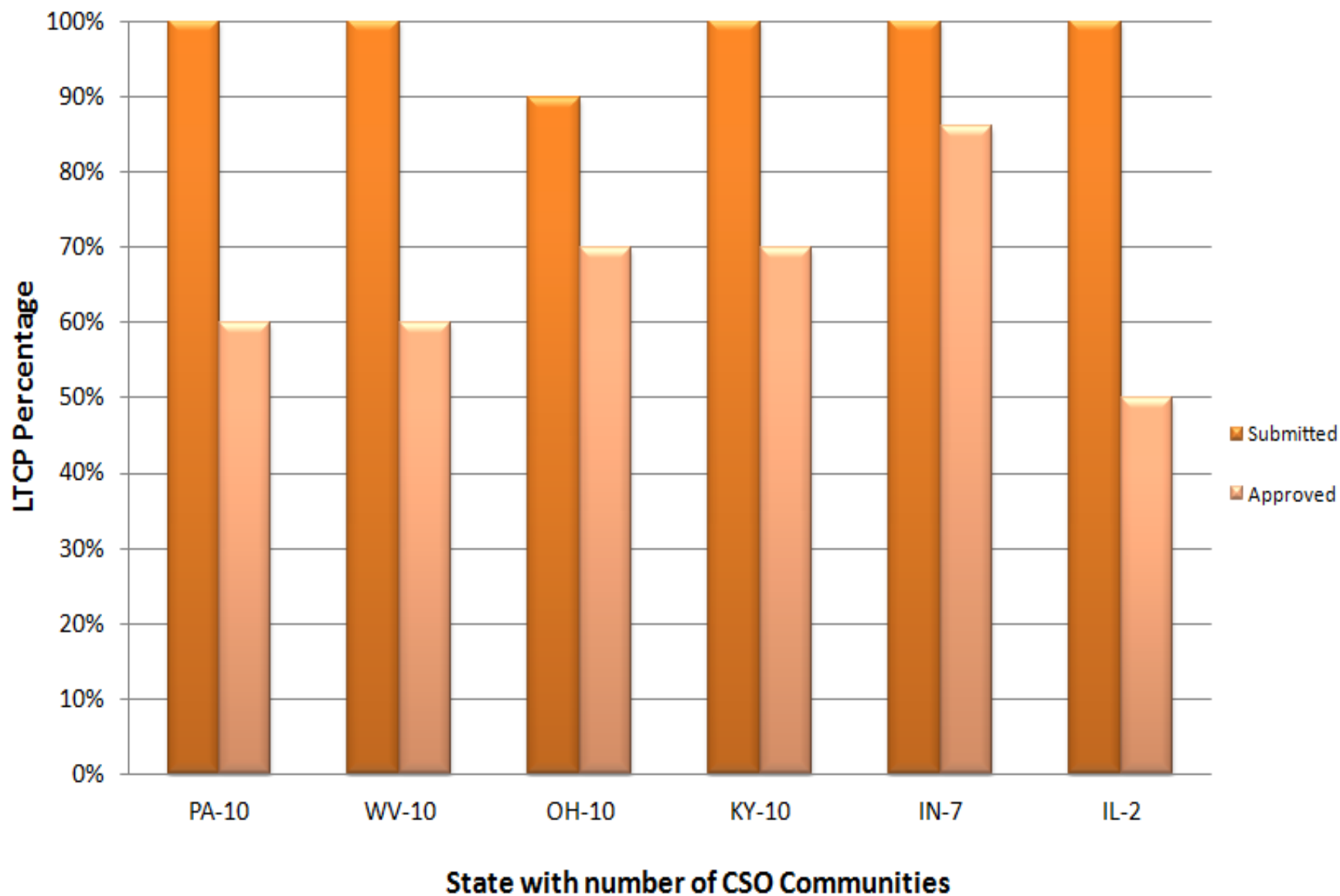


## NMC Percentage of Implementation for the 49 CSO Communities





## Status of Ohio River Communities LTCP



# Long Term Control Plan (LCTP) Status

## Pennsylvania

- Coraopolis Borough submitted a revised LTCP.
  - The revised LTCP submittal is slated for Department review.

## West Virginia

- Benwood, McMechen, and Kenova have not had their LTCPs approved yet.
- Wheeling will be submitting an updated LTCP in early 2015.
- Benwood is submitting a revised LTCP update soon.

## Ohio

- New Boston Facility will not be required to submit a LTCP.
  - They are working towards elimination of their two CSOs.
  - Phase I work was completed on November 24, 2014.
  - The PTI for Phase 2 work was approved on November 21, 2014 and work is scheduled to start in March 2015.



# Long Term Control Plan (LCTP) Status Con't

## Indiana

- Evansville developed and submitted a final Integrated Overflow Control Plan (IOCP).
  - The two capital plans are their LCTP and Sanitary Sewer remedial measures plan.

## Kentucky

- Owensboro has submitted a LTCP for approval.
- LTCPs for Worthington and Northern Kentucky SD1 have been approved.
- The 2012 Revised LTCP for Louisville MSD has been approved.



# State Updates

## Pennsylvania

- Pittsburgh Water and Sewer Authority (PWSA) has proposed some projects under the Integrated Planning program.
- Approval of the Feasibility Studies/LTCPs in the Allegheny County Sewer Authority (ALCOSAN) tributary communities will be contingent upon Consent Decree (CD) negotiations with ALCOSAN and the Agencies involved .
  - The CD is expected to emphasize implementation of the most cost-effective water quality improvements as outlined in their Interim Wet Weather Plan/LTCP.
- The ALCOSAN system's affordability is around \$2.0 billion which is less than their proposed compliance estimate of \$3.0 billion.
- The ALCOSAN NPDES permit is also under development and EPA comments have been received. A draft permit should be out for public comment soon.

## Kentucky

- Worthington, Maysville, Louisville, and Henderson have eliminated some CSOs.



# Annual CSO Performance Data

- ORSANCO staff has been working with Region 5 to retrieve CSO data for 2012-2013 electronically through EPA's Integrated Compliance Information System (ICIS) database. This database will make gathering data easier in the future. The Communities are making progress by submitting performance data through electronic Discharge Monitoring Reports (DMR) as shown in the table below.

State	Discharge Events	Hours	Overflow (MG)	Precipitation (inches)	Electronic DMR
Pennsylvania	Municipalities in ICIS but no DMR data recorded				
West Virginia	Municipalities in ICIS but no DMR data recorded				
Ohio	X	X	X		X
Kentucky	X	X	X		X
Indiana	X	X	X	X	X
Illinois	X				X

- Annual Performance data was only available for 21 of the 49 CSO Communities on the Ohio River.

Annual CSO Performance Data						
Community	2012 Discharge Events	2013 Discharge Events	2012 Duration (hrs)	2013 Duration (hrs)	2012 Flow (MG)	2013 Flow (MG)
<b>Illinois</b>						
Metropolis	26	33				
Cairo	37	76				
<b>Indiana</b>						
Madison	402	409	187	271	7	12
Tell City	68	51	483	557	1	5
Evansville	933	1126	2341	5677	867	3036
Aurora	158	197	1679	2139	33	46
Rockport	44	49	95	249	25	36
Jeffersonville	358	360	1070	1551	100	182
Mt. Vernon	54	10	397	86	16	13
<b>Kentucky</b>						
Paducah-Joint Sewer	381	400	1217	4261	209	807
Maysville	414	446	1650	2195	18	95
Vanceburg	4	7	78	149	1	1
<b>Ohio</b>						
Portsmouth	76	220	331	1213		
Steubenville	136	70	182	84	28	11
Toronto	21	18			1	1
EORWA	281	363	192	1071	9	22
Ironton			68			
Mingo Junction	8		192			
Pomeroy	1				<1	
Middleport	2	1			<1	<1
Cincinnati	2046	2083			1427	1933



# State Summary of CSO Performance Data

- The data shows an increase in Discharge Events, Duration and Flow in 2013. This could be due to the amount of precipitation the Ohio River Basin had during those two years. In 2012, NOAA reported that most of the Ohio River Basin had below normal to normal precipitation levels. In 2013, NOAA reported that most of the Ohio River Basin had above normal precipitation levels which is evident in the data presented below.

State	2012 Discharge Events	2013 Discharge Events	2012 Duration (hrs)	2013 Duration (hrs)	2012 Flow (MG)	2013 Flow (MG)
Illinois	63	109				
Indiana	2017	2202	6251	10529	1048	3330
Kentucky	799	853	2945	6605	227	903
Ohio	2571	2755	966	2367	1465	1968

- This is only a two year snapshot and the data is highly variable due to precipitation. ORSANCO will continue to retrieve annual CSO performance data electronically and present the results to the Technical Committee.





Questions?

**WARNING**

**COMBINED SEWER OVERFLOW  
(CSO)**

The water flowing from this pipe may  
be polluted during or after rainstorms.  
For more information about this CSO  
and effects on the water quality of  
our streams and rivers call

Metropolitan  
Sewer District (MSD)  
(513) 352-4900  
CSO No. 005

Please call MSD and report if  
water is flowing in dry weather.