



2017 NRC Spill Report Summary

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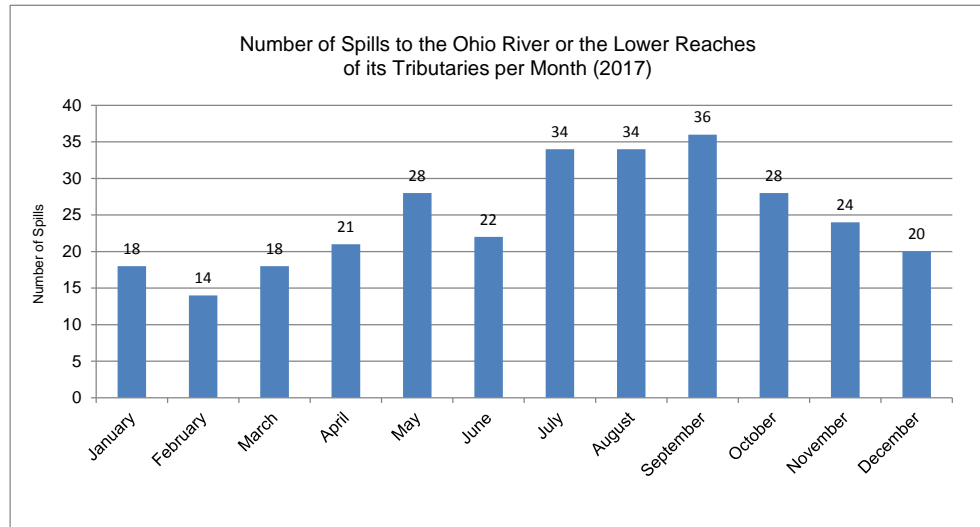
Background:

The Ohio River Valley Water Sanitation Commission (ORSANCO) spills program helps to protect water utilities and other water users along the Ohio River. When a spill is reported in a county bordering the Ohio River, ORSANCO receives the spill report from the National Response Center (NRC). If the spill has the potential to impact downstream water utilities they are immediately notified. The following report provides a summary of the NRC spill reports received by ORSANCO during calendar year 2017. All water related spills to the Ohio River or the lower reaches of its tributaries are included in this report.

Spill Totals by Month:

The number of spills indicates the number of NRC reports that were received which resulted in a release to the Ohio River or its tributaries. The following breaks down the number of spills by month.

Month	Number of Spills to Water per Month
January	18
February	14
March	18
April	21
May	28
June	22
July	34
August	34
September	36
October	28
November	24
December	20
Total Spills 2017	297
Average number of spills/month	24.8



Spilled Materials:

Spill reports include information on the name of the material spilled. Since many spills are observed as a sheen on the water, the exact identity of the spilled material is often unknown. Unknown oil sheen is the most common listed material name given in the spill reports. This is followed by diesel and hydraulic oil.

Material Name	# of Spills by Material
unknown oil	102
diesel	59
hydraulic oil	34
transformer oil	18
fuel oil	11
Motor Oil	9
Crude	8
gasoline	7
Lube Oil	6
bilge slops	5

Material Name	# of Spills by Material
Benzene	3
coal slurry	3
fertilizer	2
fracking sand	2
waste oil	2
Jet Fuel	2
mineral oil	2
acid mine drainage	1
algae	1
Ammonium Nitrate, U	1

Material Name	# of Spills by Material
butadiene	1
butane	1
chlorinated water	1
chlorine	1
coal tar	1
compressor oil	1
corn syrup	1
ethylene glycol	1
sodium hydroxide	1
Sodium Hypochlorite	1

Material Name	# of Spills by Material
sulfur	1
transmission oil	1
trimethylamine	1
Vacuum Gas Oil	1
gear oil	1
Lean Phosdam Solution	1
Mixed Hydrocarbons	1
Propylene Oxide	1
sewage	1

Spills by River Mile:

The number of spills in a given river mile range comes from the listed river mile or incident location given on the spill report. Larger numbers of spills in a given river mile range can result from spills reported on major Ohio River tributaries. For example, spills that were reported to the Allegheny and Monongahela Rivers were included in the 0-49.9 mile range. Kanawha River spills are included in the 250-299.9 mile range. Big Sandy River spills are included in 300-349.9 mile range and Tennessee River spills are included in the 900-949.9 mile range. More land based spills are included in this report compared to previous years. Releases to ditches, small creeks and storm drains are now included regardless of volume released.

River Mile Range	Number of Spills to Ohio River	River Mile Range	Number of Spills to Ohio River
0-49.9	62	500-549.9	6
50-99.9	19	550-599.9	15
100-149.9	7	600-649.9	16
150-199.9	10	650-699.9	2
200-249.9	8	700-749.9	4
250-299.9	18	750-799.9	15
300-349.9	42	800-849.9	5
350-399.9	3	850-899.9	0
400-449.9	3	900-949.9	30
450-499.9	30	950-981	2

