



2016 NRC Spill Report Summary

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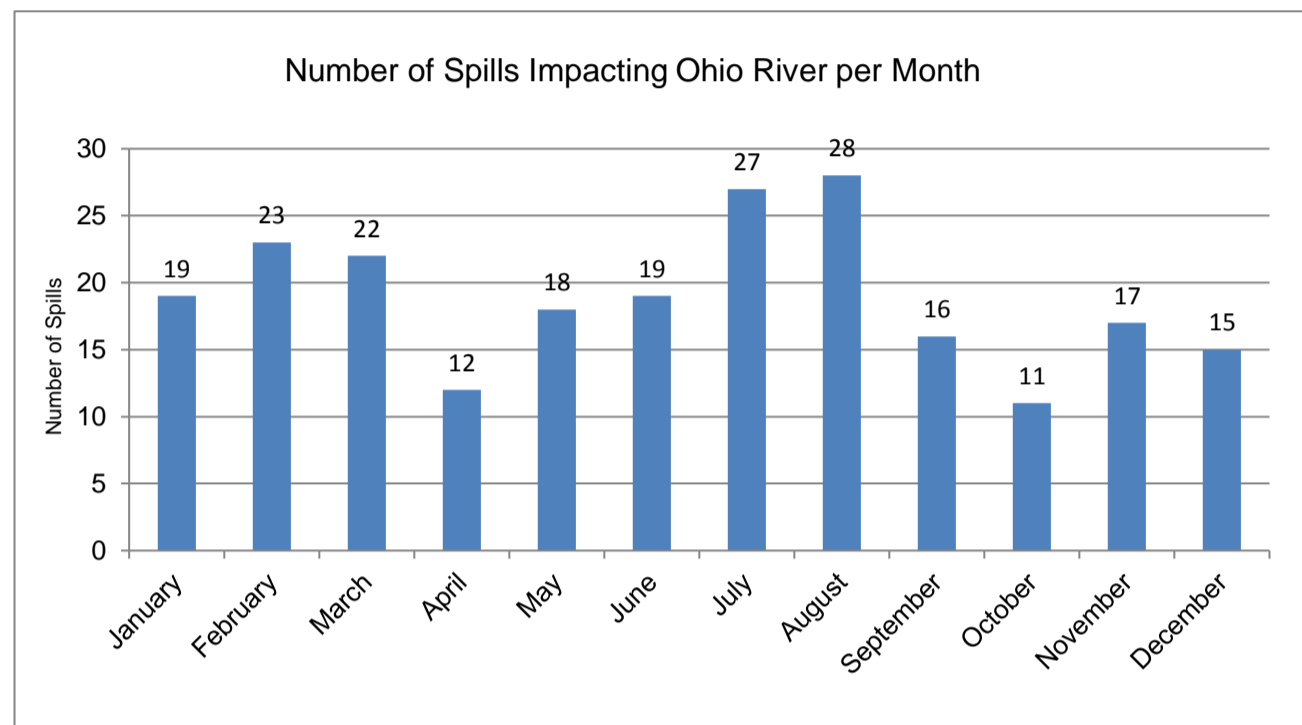
Background:

The 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. If the spill has the potential to impact downstream water utilities they are immediately notified. The following report provides a summary of the National Response Center spill reports received by ORSANCO during calendar year 2016. Spill reports were reviewed and those reported to have an impact on the Ohio River or its tributaries are included in this summary report.

Spill Totals:

The number of spills indicates the number of NRC reports that were received that could have an impact on the waters of Ohio River or its Tributaries. The following breaks down the number of spills by month.

Month	Spills Impacting Ohio River per Month
January	19
February	23
March	22
April	12
May	18
June	19
July	27
August	28
September	16
October	11
November	17
December	15
Total Spills 2015	227
Average number of spills/month	18.9



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 hydraulic oil and diesel.

Material Name	# of Spills by Material	Material Name	# of Spills by Material	Material Name	# of Spills by Material	Material Name	# of Spills by Material
ammonia	1	fatty acids	1	lube oil	8	sodium hydroxide	1
asphalt	2	flu gas slurry	1	mineral oil	3	styrene	1
bilge slops	3	fly ash	2	motor oil	5	styrene monomer	1
butane	1	fuel oil	3	oil	1	transfer oil	1
coal	1	gasoline	8	paint	3	transformer oil	2
coal slurry	3	glycolic acid	1	propane	1	unknown oil	92
crude oil	8	grey water	1	sewage	1	vegetable oil	2
diesel	26	hydraulic oil	34	silicone oil	2	waste Oil	2
ethanol	1	lime	1	soap	1	waste water	1
ethylene glycol	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 from 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.

River Mile Range	Number of Spills Impacting Ohio River	River Mile Range	Number of Spills Impacting Ohio River
0-49.9	24	500-549.9	1
50-99.9	19	550-599.9	9
100-149.9	6	600-649.9	14
150-199.9	6	650-699.9	1
200-249.9	2	700-749.9	2
250-299.9	19	750-799.9	11
300-349.9	22	800-849.9	6
350-399.9	2	850-899.9	1
400-449.9	3	900-949.9	40
450-499.9	25	950-981	14

