



## EPA Region 6 Accidental Release Information :

# FY 2010 - 2014

*Over Thirty Years of Collecting Release / Spill Information*

**NRC BACKGROUND ::** Primary function of NRC is to serve as sole national point of contact for reporting all oil, chemical, radiological, biological, and etiological discharges into the environment.

In addition to gathering and distributing spill data for OSCs and serving as operations and communications center for NRT, NRC maintains agreements with a variety of entities to make notifications regarding incidents meeting established trigger criteria.

NRC also takes Terrorist/Suspicious Activity Reports and Maritime Security Reports.

**On behalf of DHS and the USCG, the NRC:**

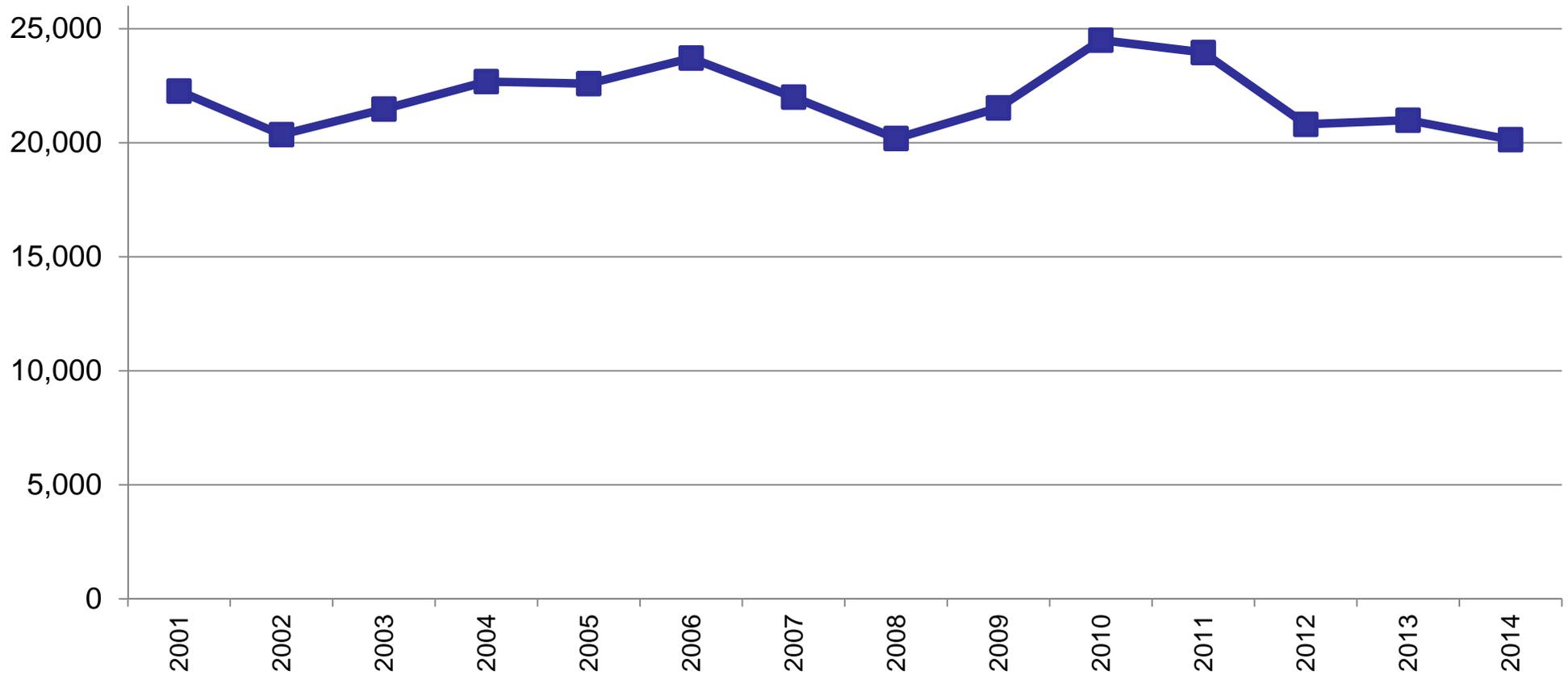
- Briefs the White House, Office of Homeland Security, Secretary of Transportation, and Chiefs of Modal Administrations regarding all significant transportation emergencies;
- Provides information the Coast Guard's Office of Marine Safety, Security, and Environmental Protection as needed;
- Receives and relays reports of incidents reportable under the Hazardous Materials Transportation Act;
- Provides incident reports to various DOT agencies;
- and provides notification to DOT and NTSB offices of transportation incidents that meet certain criteria.

**On behalf of other Agencies, the NRC provides services to enhance the Federal Response System:**

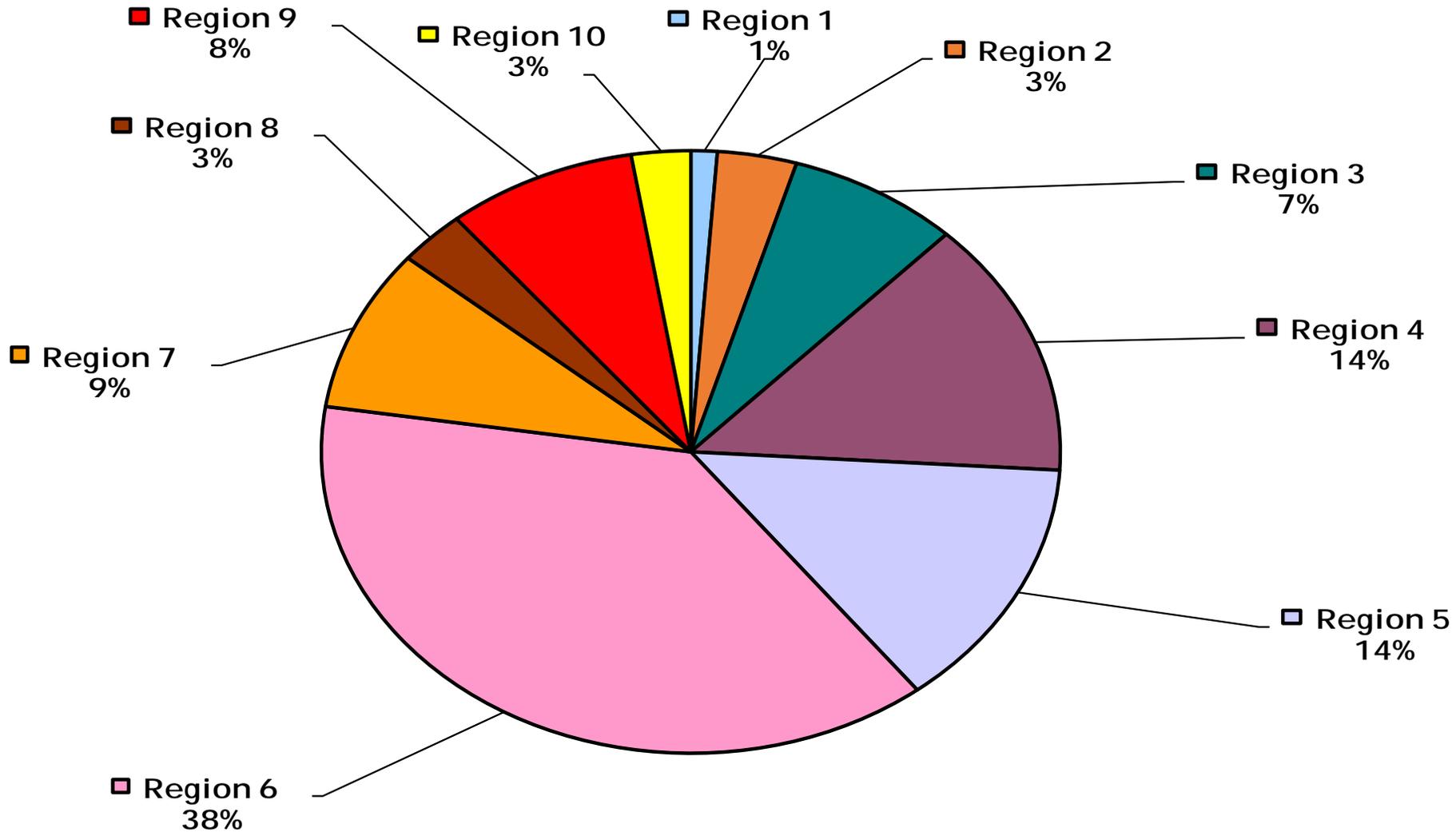


- For EPA, NRC receives incident reports under FRS which is supported under CERCLA, CWA, CAA, EPCRA, and OPA. NRC disseminates reports of oil discharges and chemical releases to OSC;
- For FEMA, NRC acts as a 24 hour contact point to receive earthquake, flood, hurricane, and evacuation reports;
- For NucRC, and DOE, NRC makes notification of all incidents involving radioactive material releases;
- For DOI, NRC receives reports of incidents involving Trans-Alaskan Pipeline Oil;
- For DOD, incidents involving transportation emergencies with DOD munitions or explosives are referred to tArmy Operations Center. Any incident involving hypergolic rocket fuels and oxidizers are passed to the Air Force Operations Center.
- NRC takes reports on potential or actual domestic terrorism and coordinates notifications and response with FBI;
- For DHHS, releases of etiological and biological agents are referred to the CDC;
- For FRA, NRC takes reports of railroad incidents involving hazardous materials, crossing fatalities, and accidents resulting in injury/death of employees.
- NRC is contact point for activation of NRT and provides facilities for NRT to use in coordinating national response action when required.

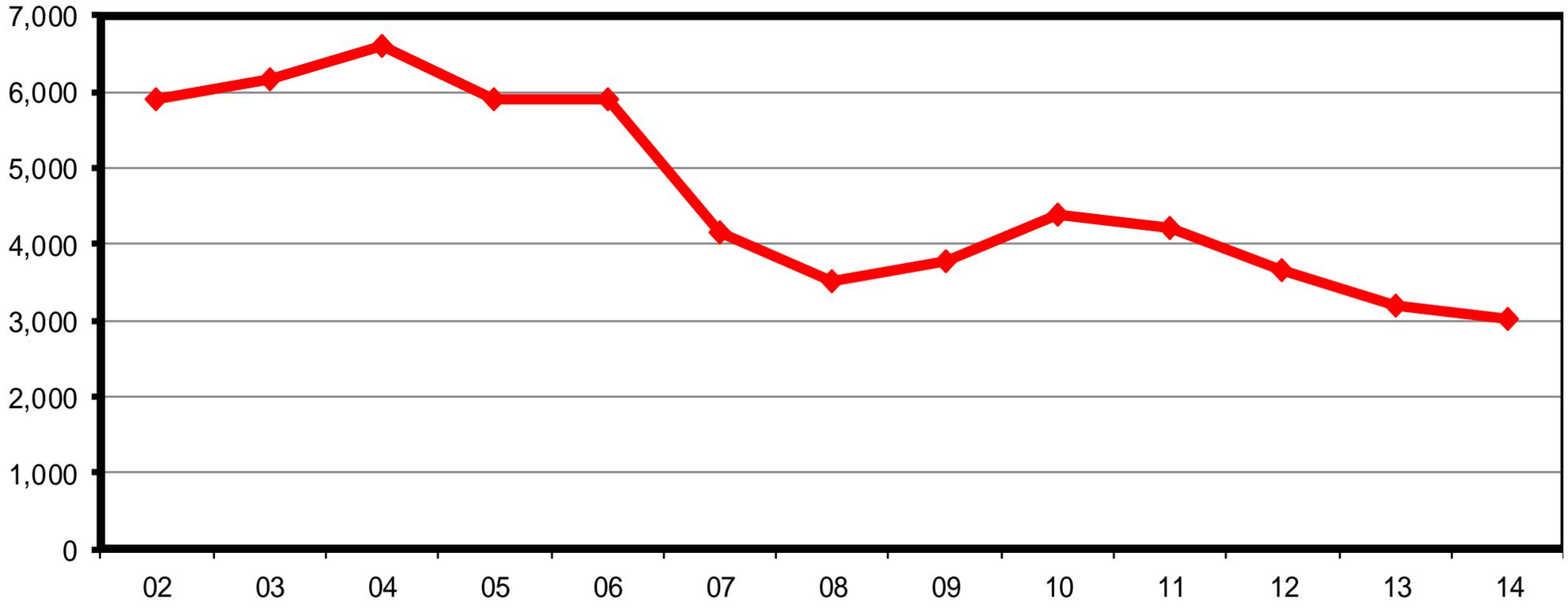
**NRC Notifications Nationally / EPA (2001 -- 2014)**



2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
22,271	20,357	21,478	22,686	22,596	23,716	22,003	20,190	21,532	24,503	23,961
2012	2013	2014								
20,810	20,992	20,136								

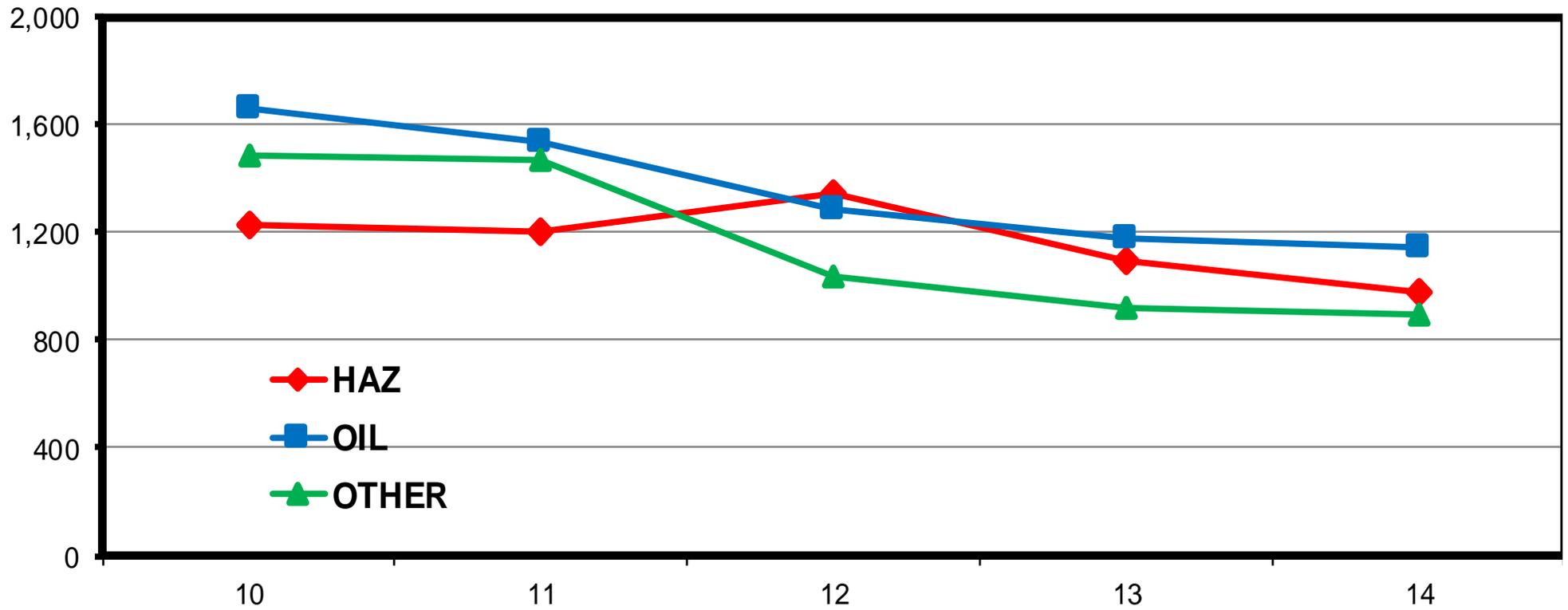


**NRC Notifications to EPA Region 6 (1982 - 2014)**



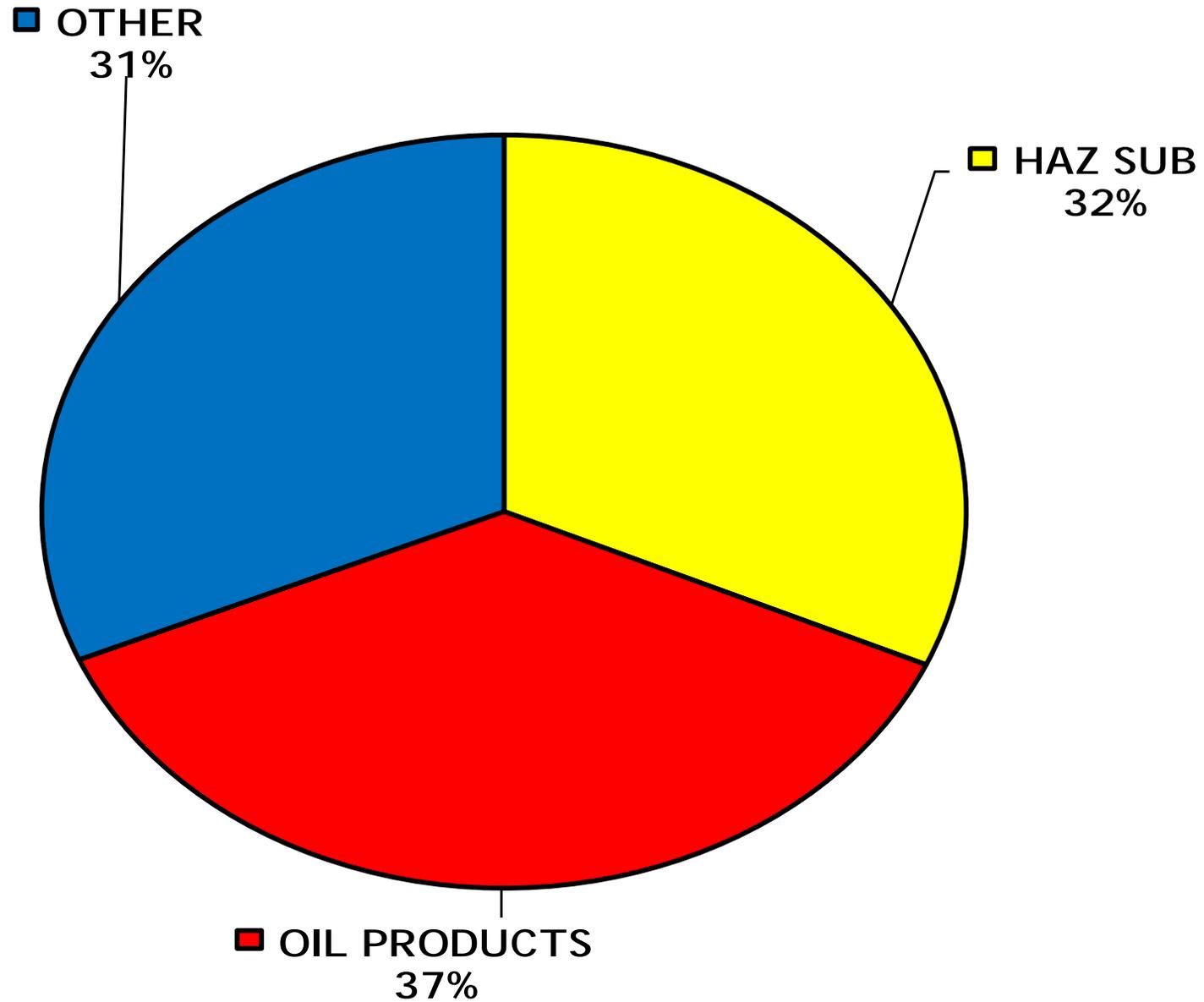
	82	83	84	85	86	87	88	89	90	91	92	93	94	95		
<b>EPA Notifications</b>	1,315	1,520	1,521	1,920	2,196	2,057	2,142	3,152	4,591	3,784	4,208	4,340	5,063	5,180		
96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12
4,376	4,277	4,472	4,559	4,641	6,420	5,813	6,172	6,590	5,897	5,902	4,164	3,525	3,776	4,376	4,206	3,667
13	14															
3,191	3,026															

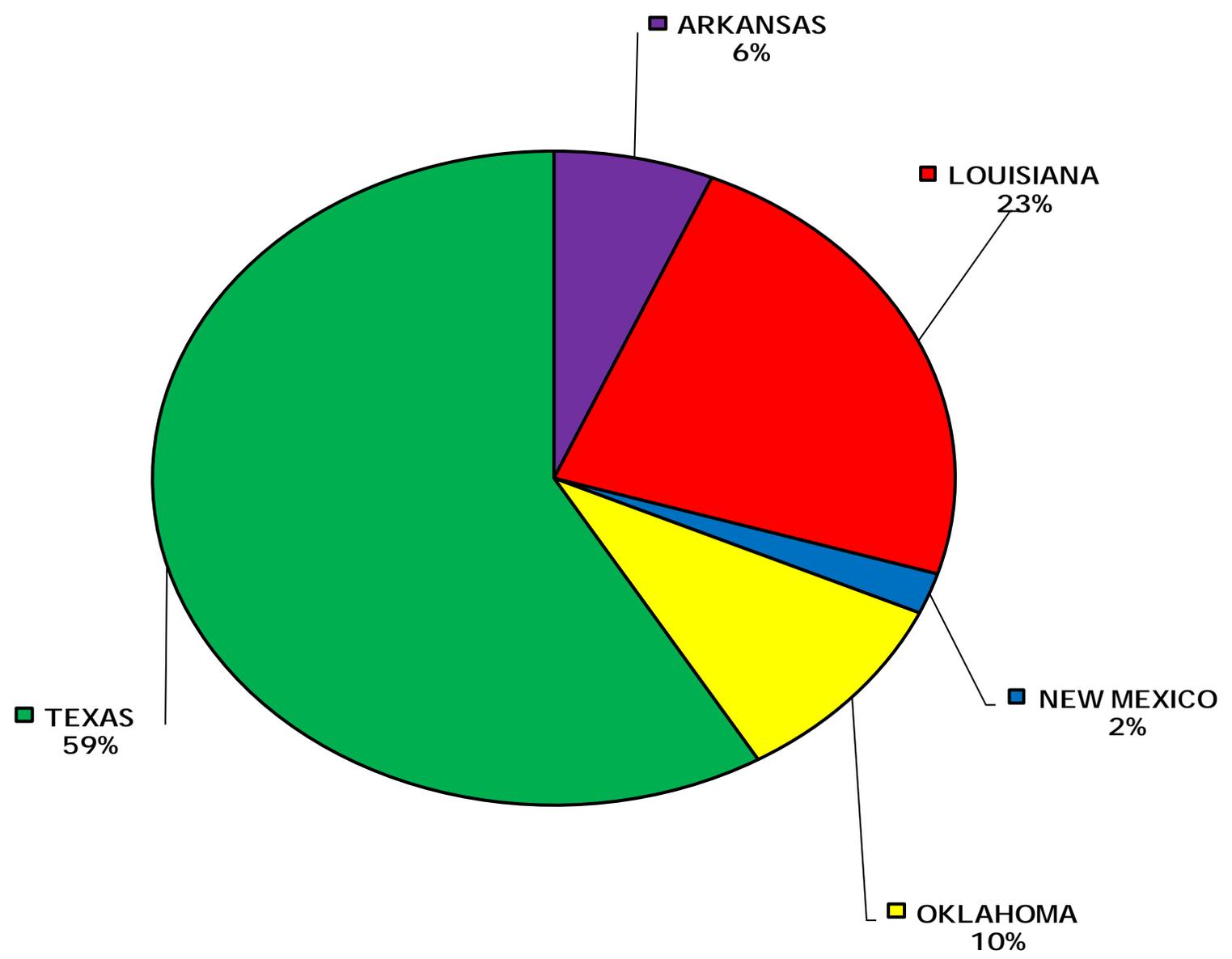
**NRC Notifications to EPA Region 6 (2010 - 2014) by Material Type**

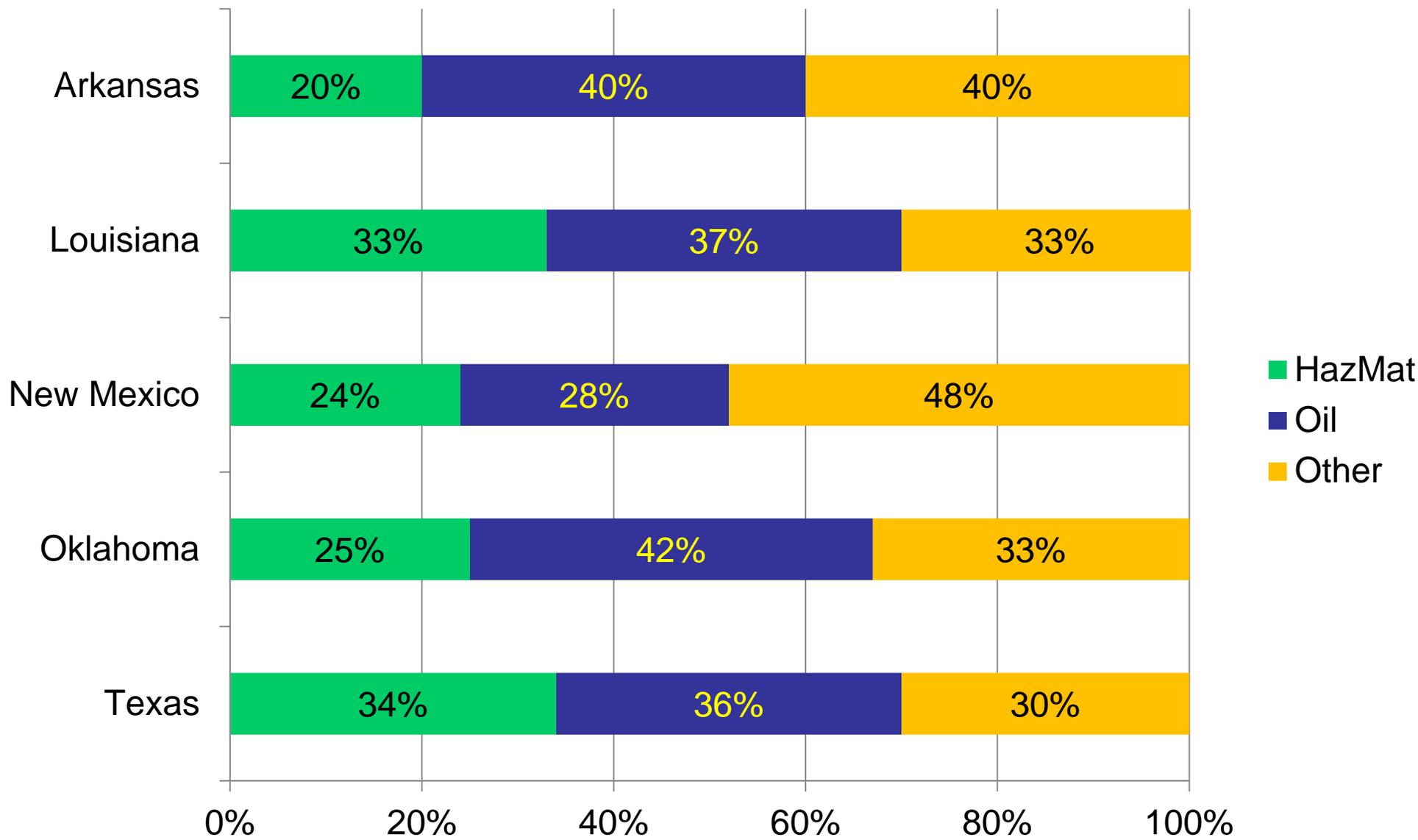


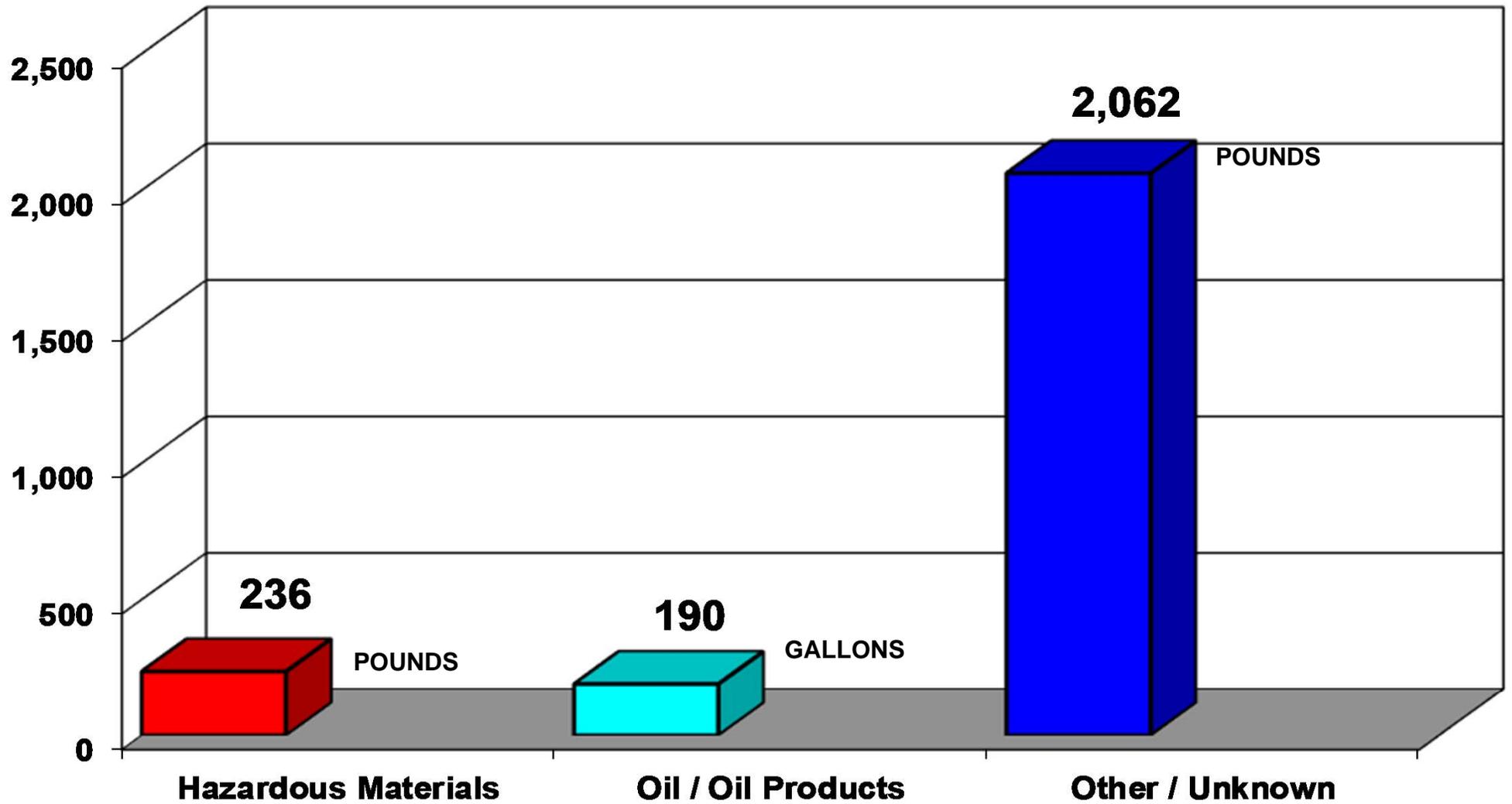
	FY10	FY11	FY12	FY13	FY14
<b>Hazardous Substances</b>	<b>1,229</b>	<b>1,201</b>	<b>1,348</b>	<b>1,093</b>	<b>977</b>
<b>Oil/Oil Products</b>	<b>1,663</b>	<b>1,537</b>	<b>1,285</b>	<b>1,178</b>	<b>1,149</b>
<b>Other</b>	<b>1,485</b>	<b>1,469</b>	<b>1,035</b>	<b>919</b>	<b>899</b>

HAZ SUB: CERCLA Hazardous Substances & EPCRA  
Extremely Hazardous Substances

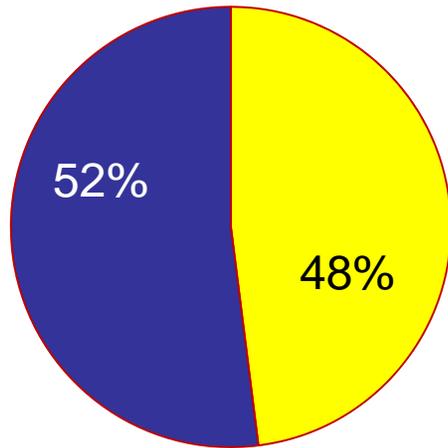




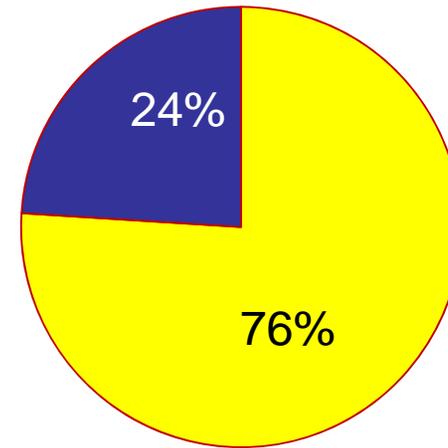




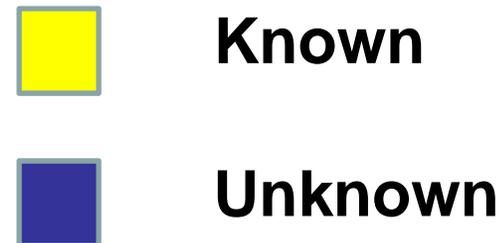
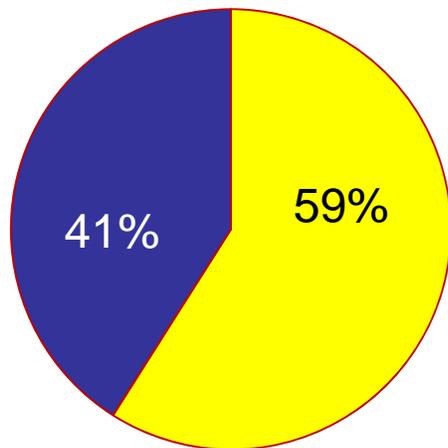
### Other



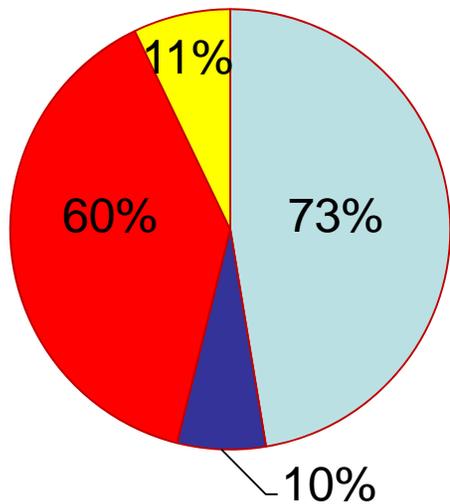
### Hazardous Materials



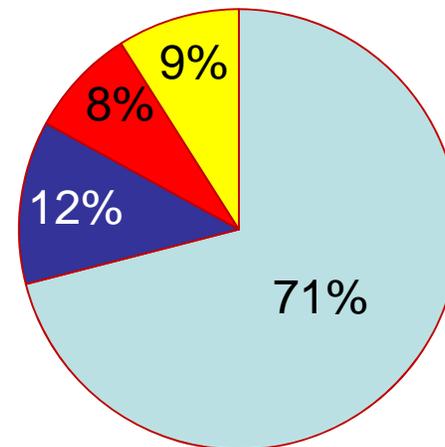
### Oil / Oil Products



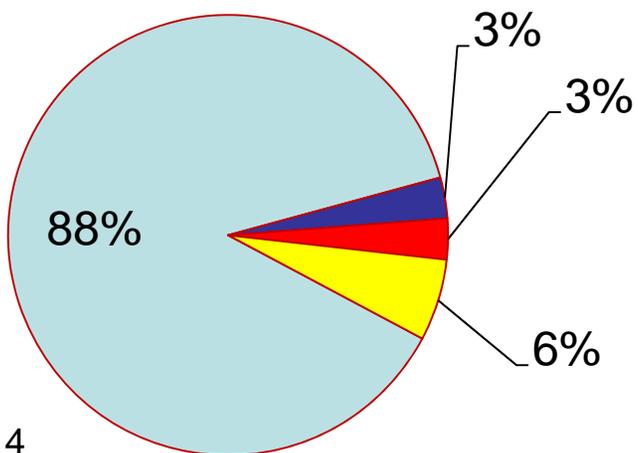
### Cumulative



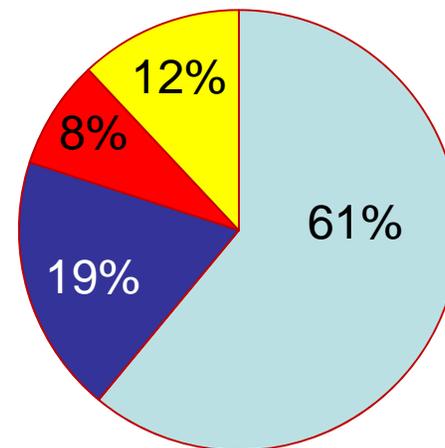
### Hazardous Substances



### Oil / Oil Products

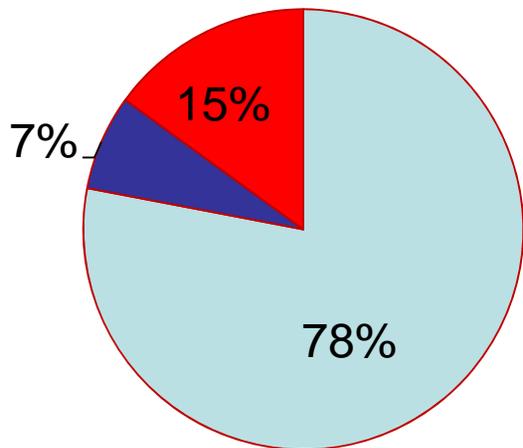


### Other

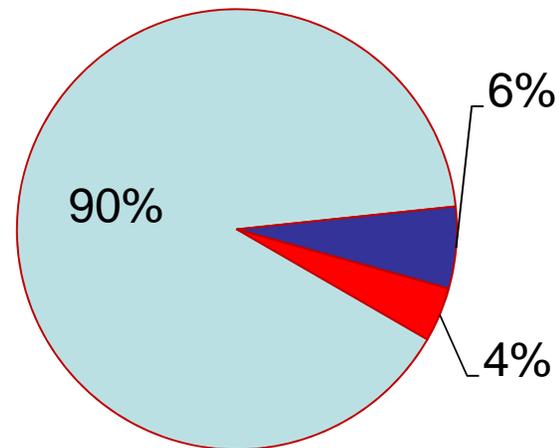


11/12/2014

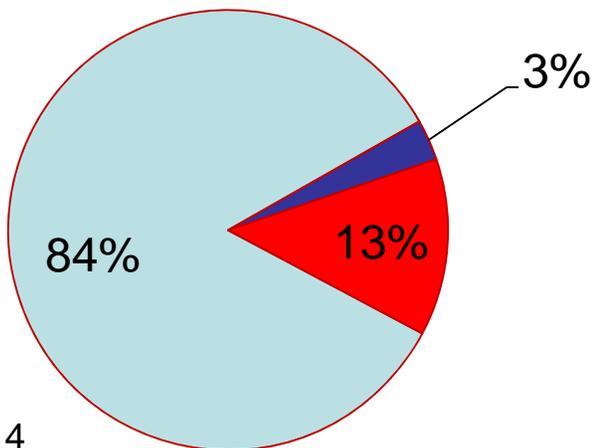
### Cumulative



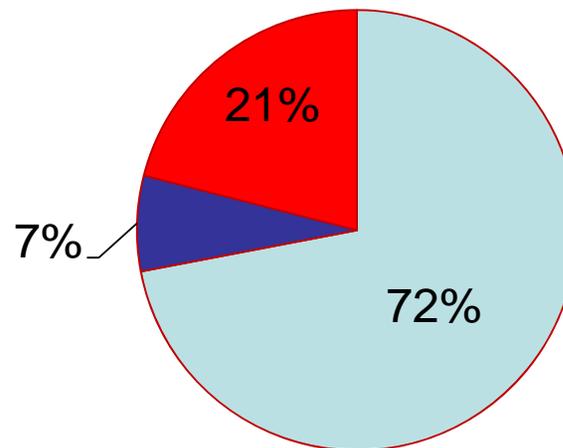
### Hazardous Substances



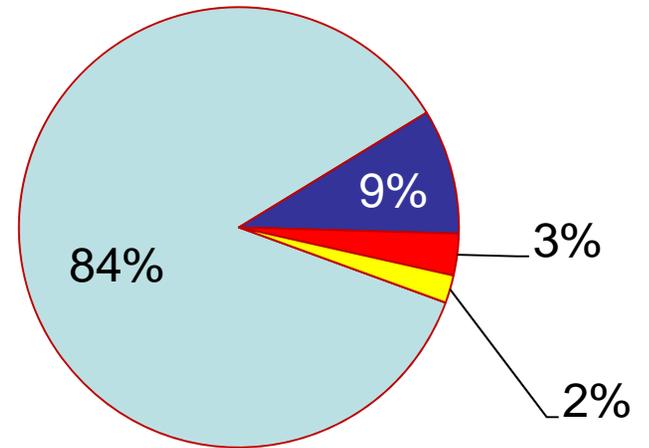
### Oil / Oil Products



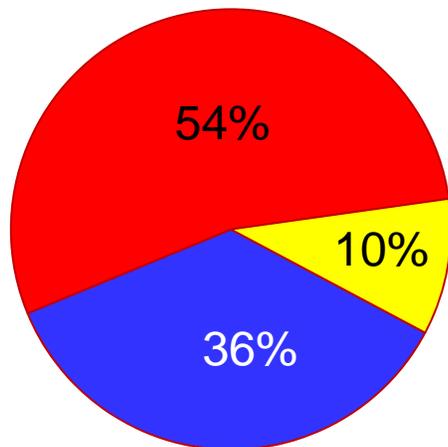
### Other



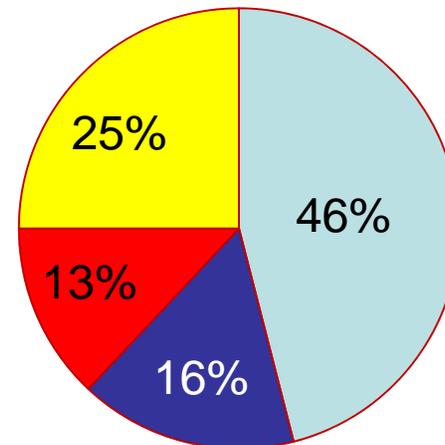
### Hazardous Substances



### Oil / Oil Products

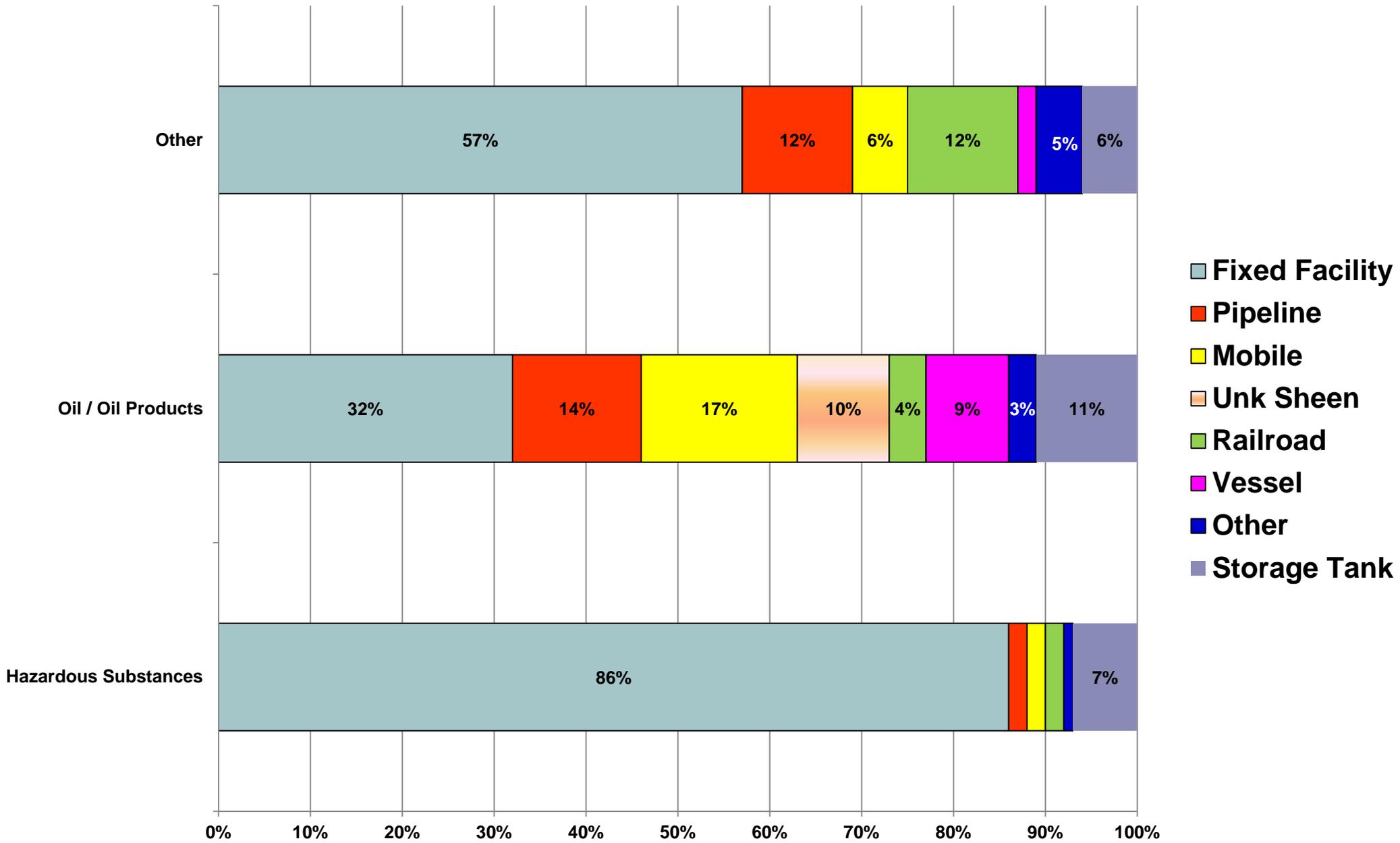


### Other



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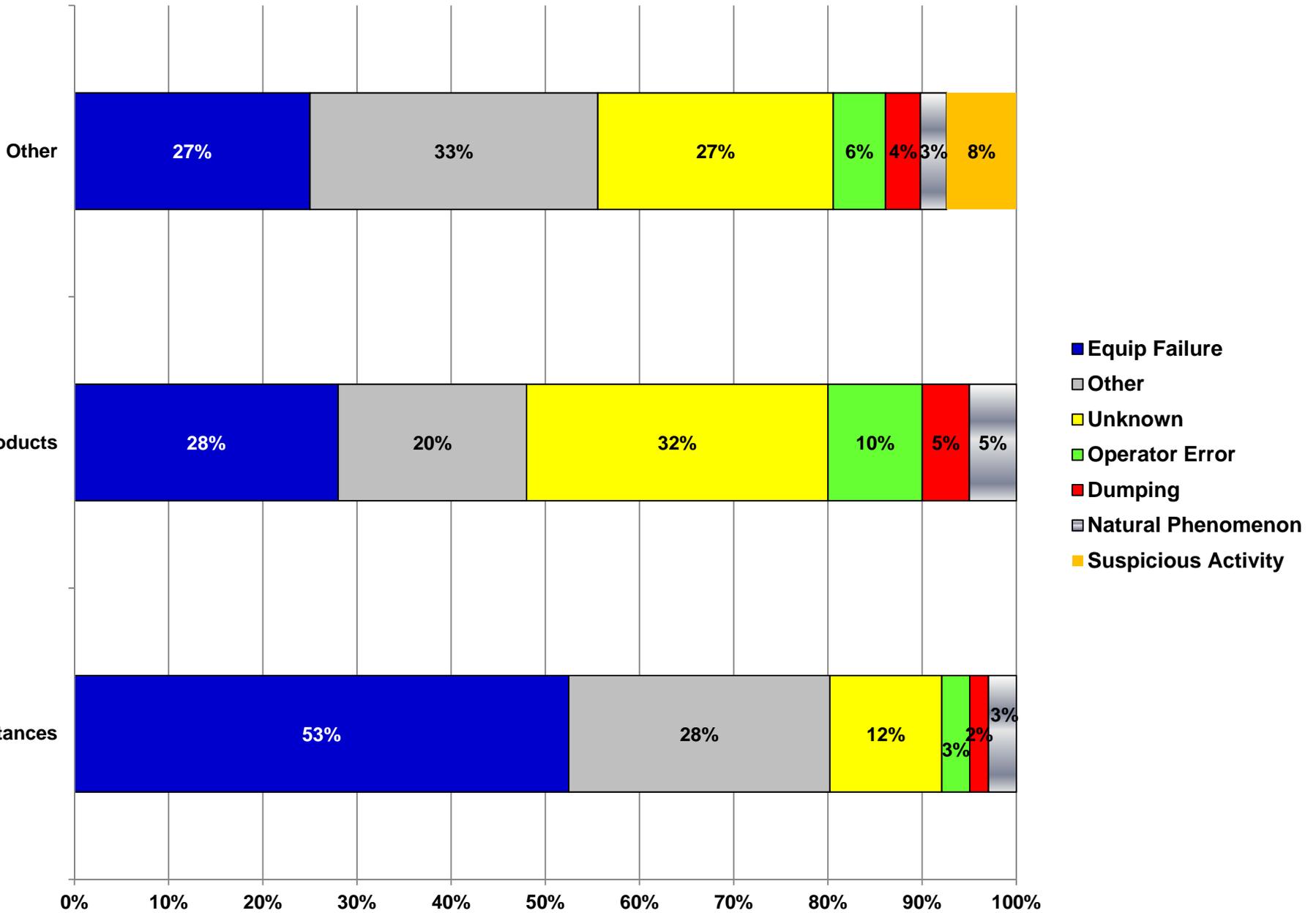
Other Medium may include: non-releases, groundwater, ballast, railway



11/12/2014

Other Sources may include: aircraft, continuous, platform, terrorist

NRC Notifications to EPA Region 6 -- Cause of Release (2019 - 2014)



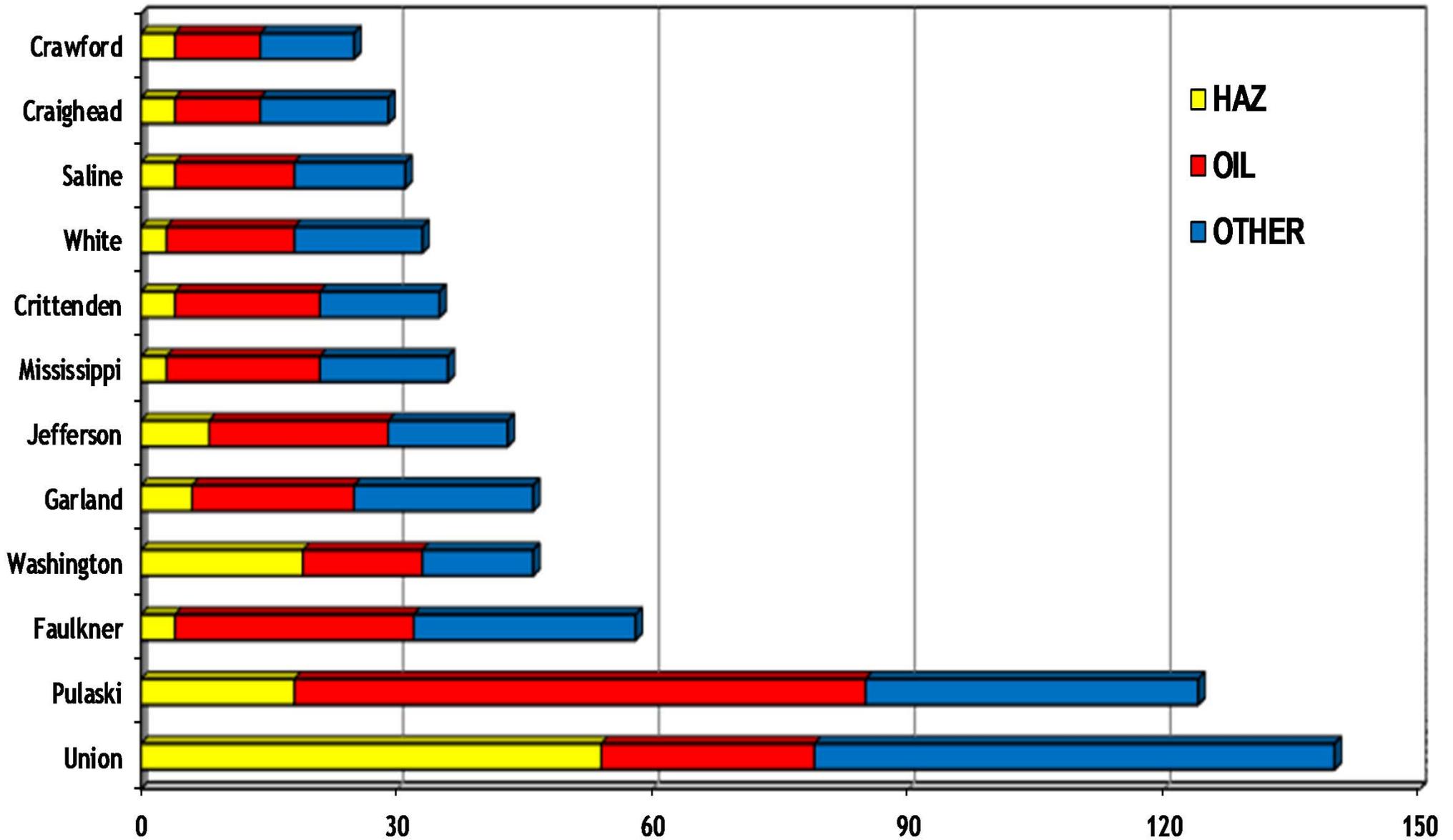
11/12/2014

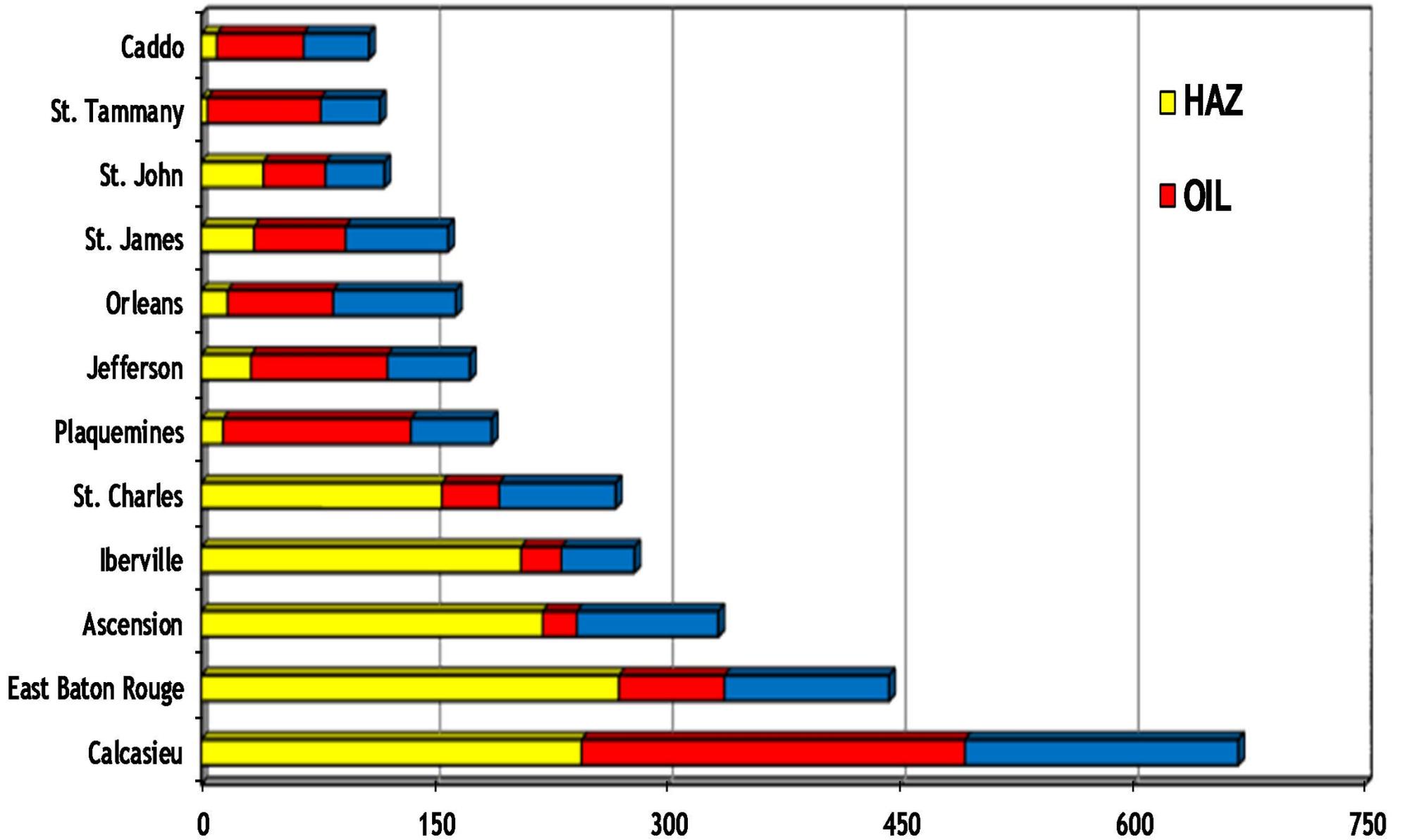
Other Causes may include: aircraft crash, continuous, terrorist

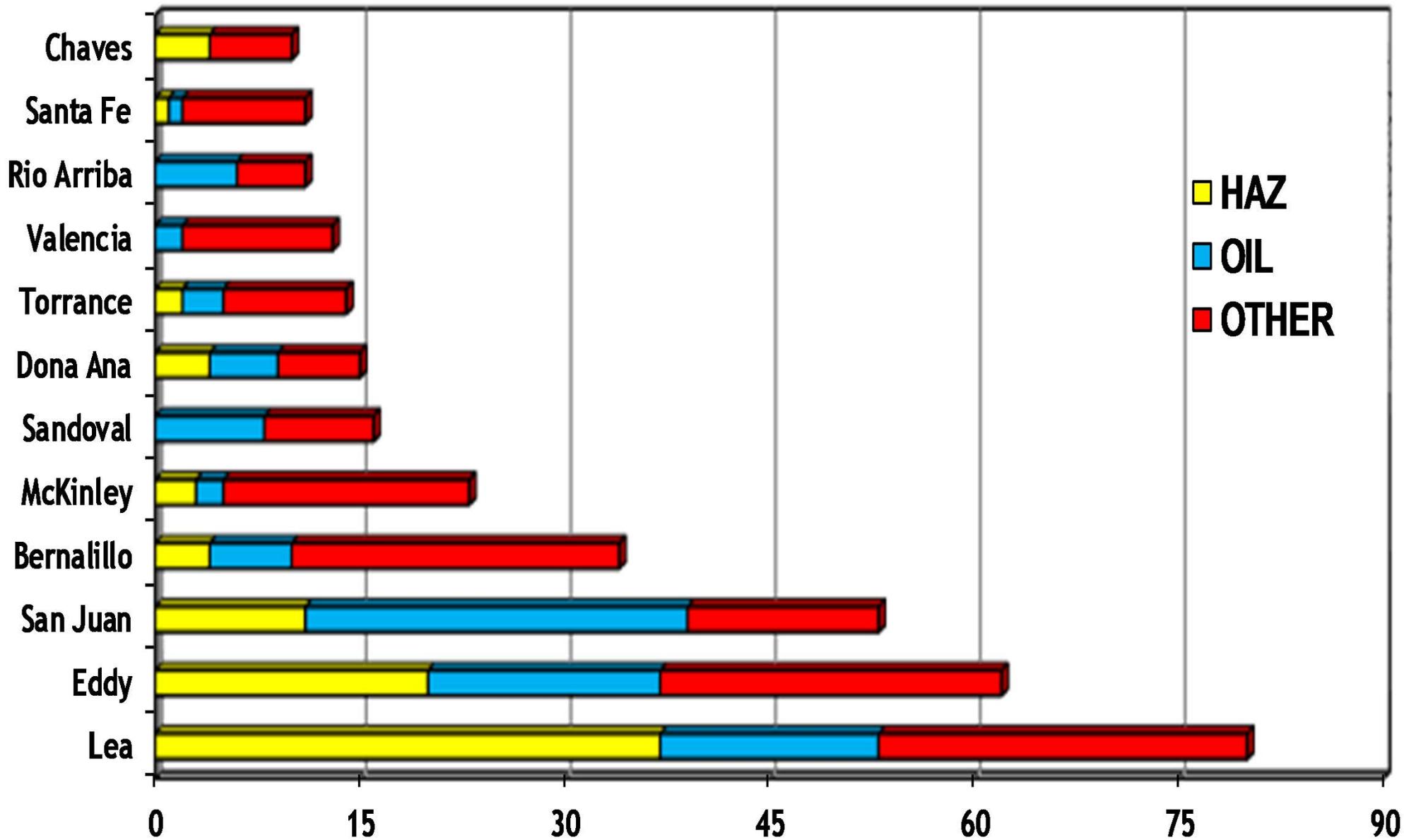
**Since 2000, approximately 3.3% of all release reports have led to a significant event (death, injury, community evacuation, evacuation of a facility, shelter-in-place)**

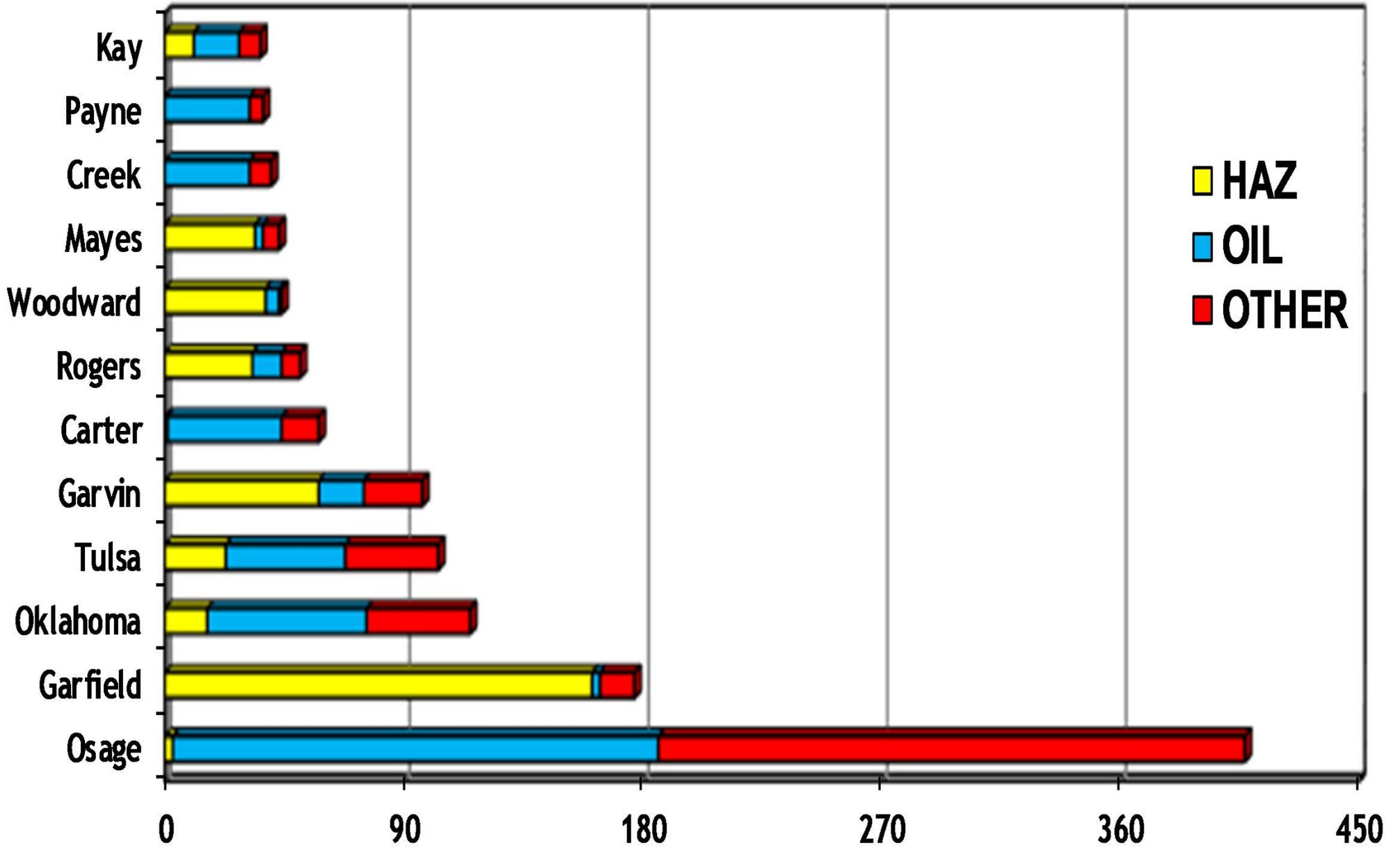
**Deaths, injuries, and evacuations may not be directly due to exposure, but as a consequence of the accident resulting in the release**

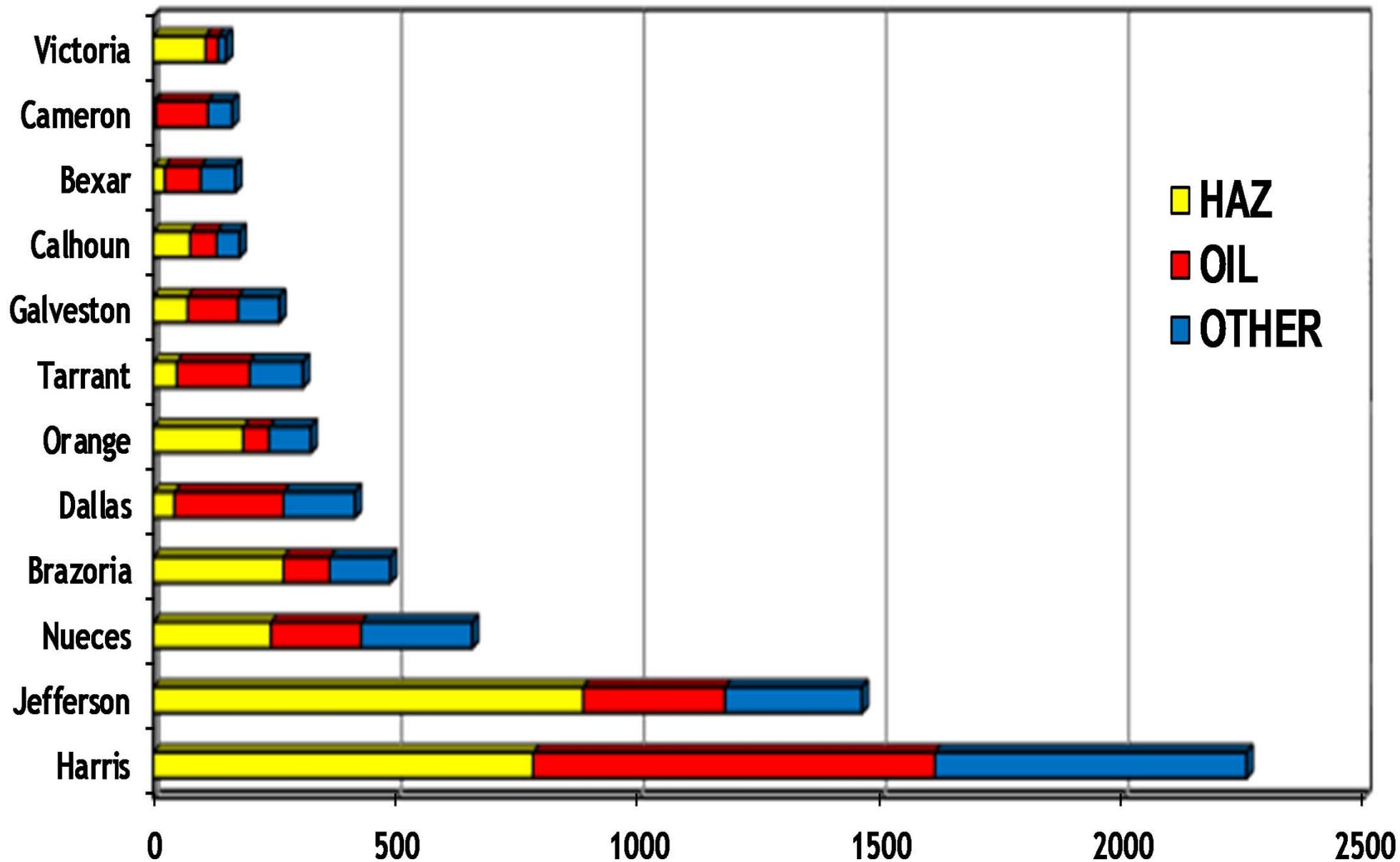
**Since 2000, statistically there is more than one shelter-in-place or evacuation of a community (whole or part) or of a facility due to a hazardous substance, oil, or other material incident somewhere in Region 6, on a weekly basis**



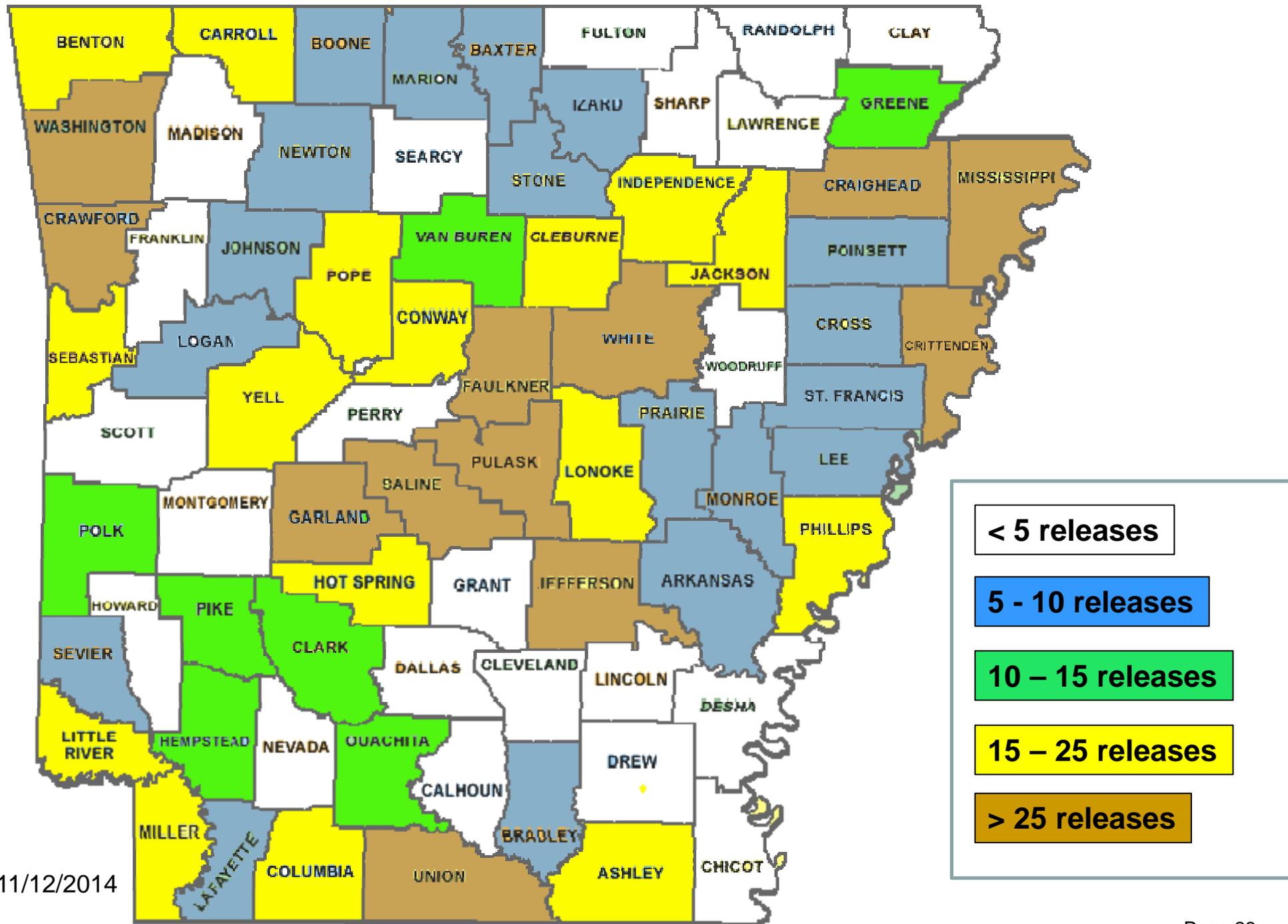






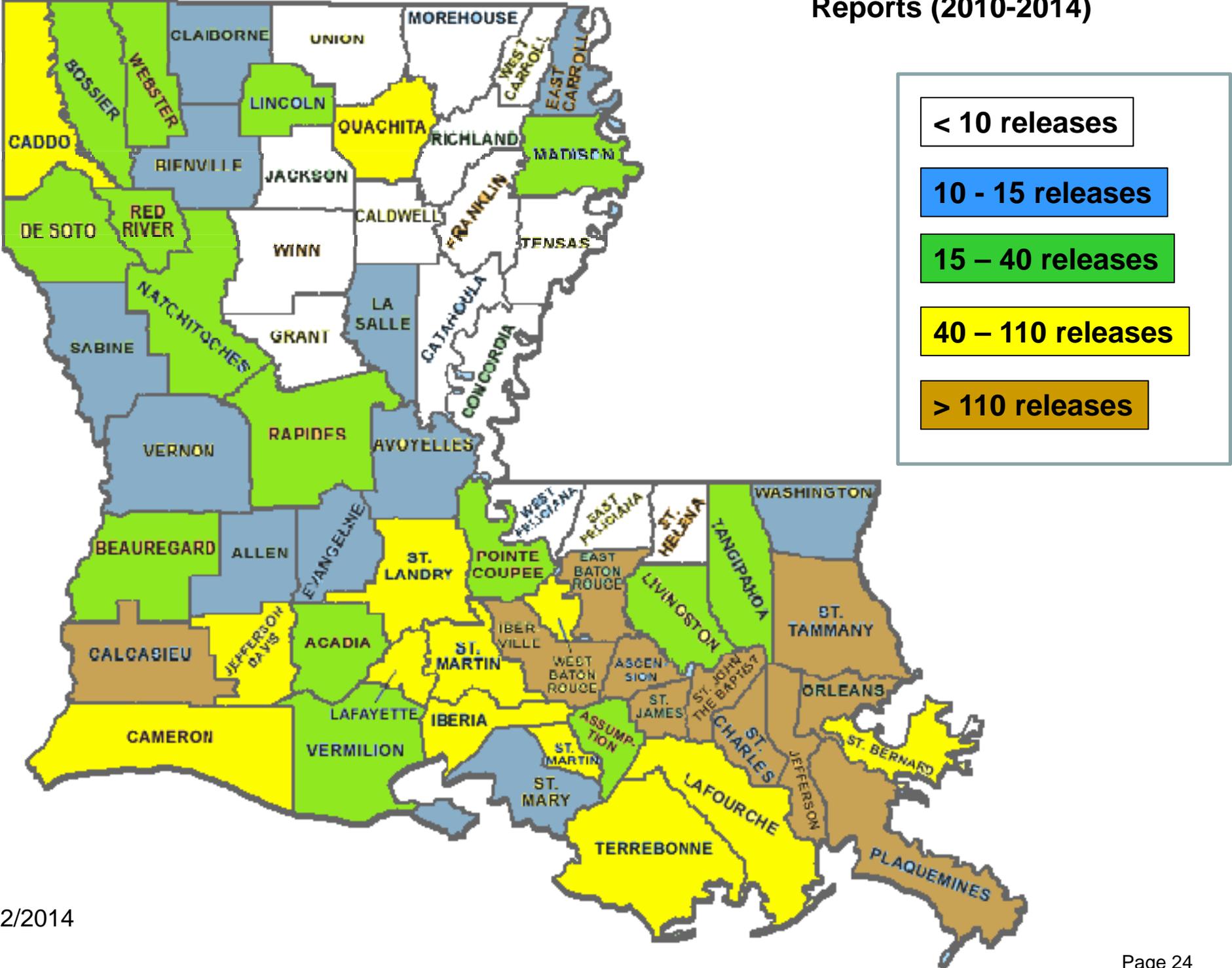


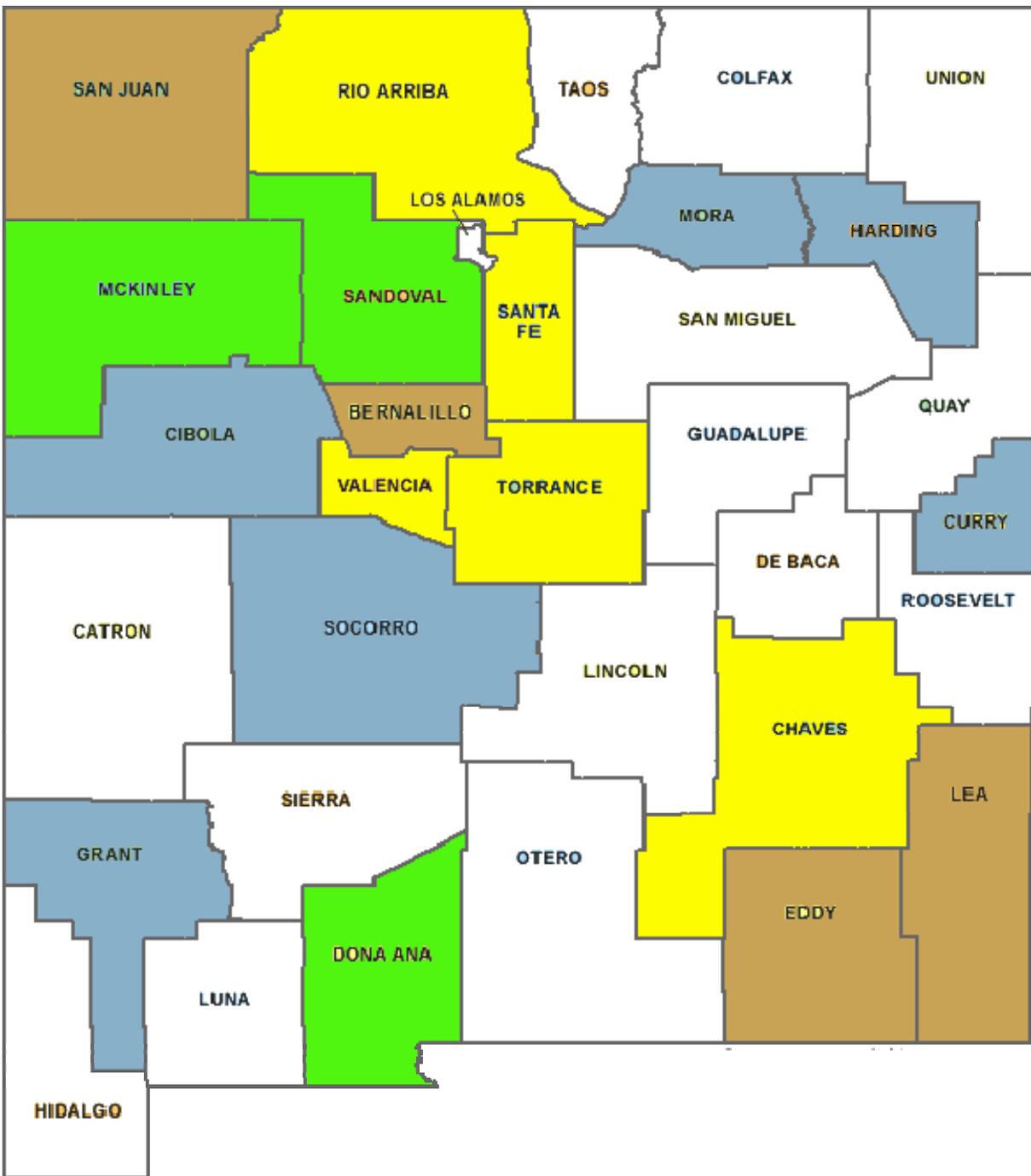
# Arkansas – Spill Reports – All Reports (2010-2014)



11/12/2014

# Louisiana – Spill Reports – All Reports (2010-2014)





## New Mexico – Spill Reports – All Reports (2010-2014)

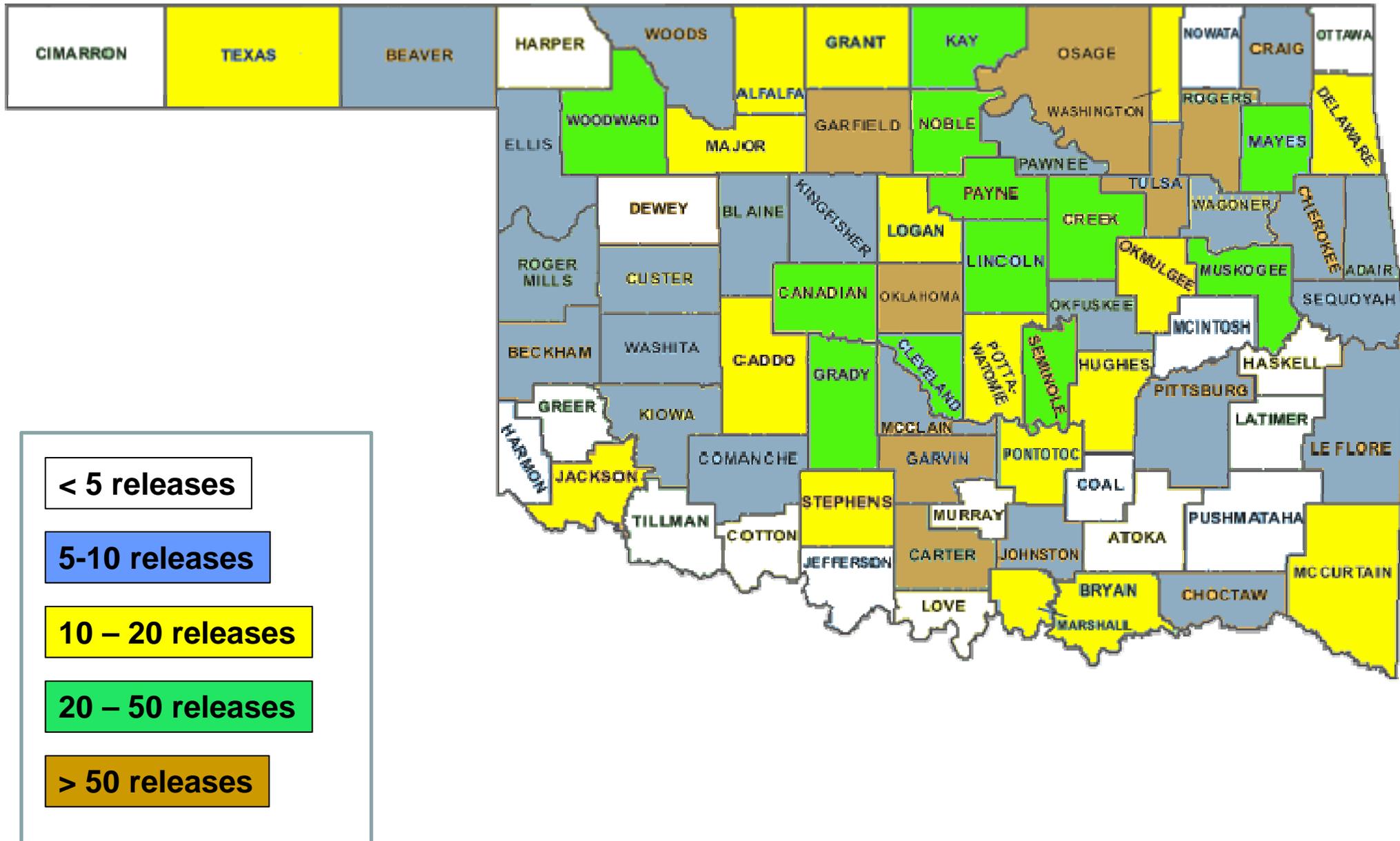
< 5 releases

5 - 10 releases

10 – 15 releases

15 – 25 releases

> 25 releases



Oklahoma – Spill Reports – All Reports (2010-2014)

< 5 releases

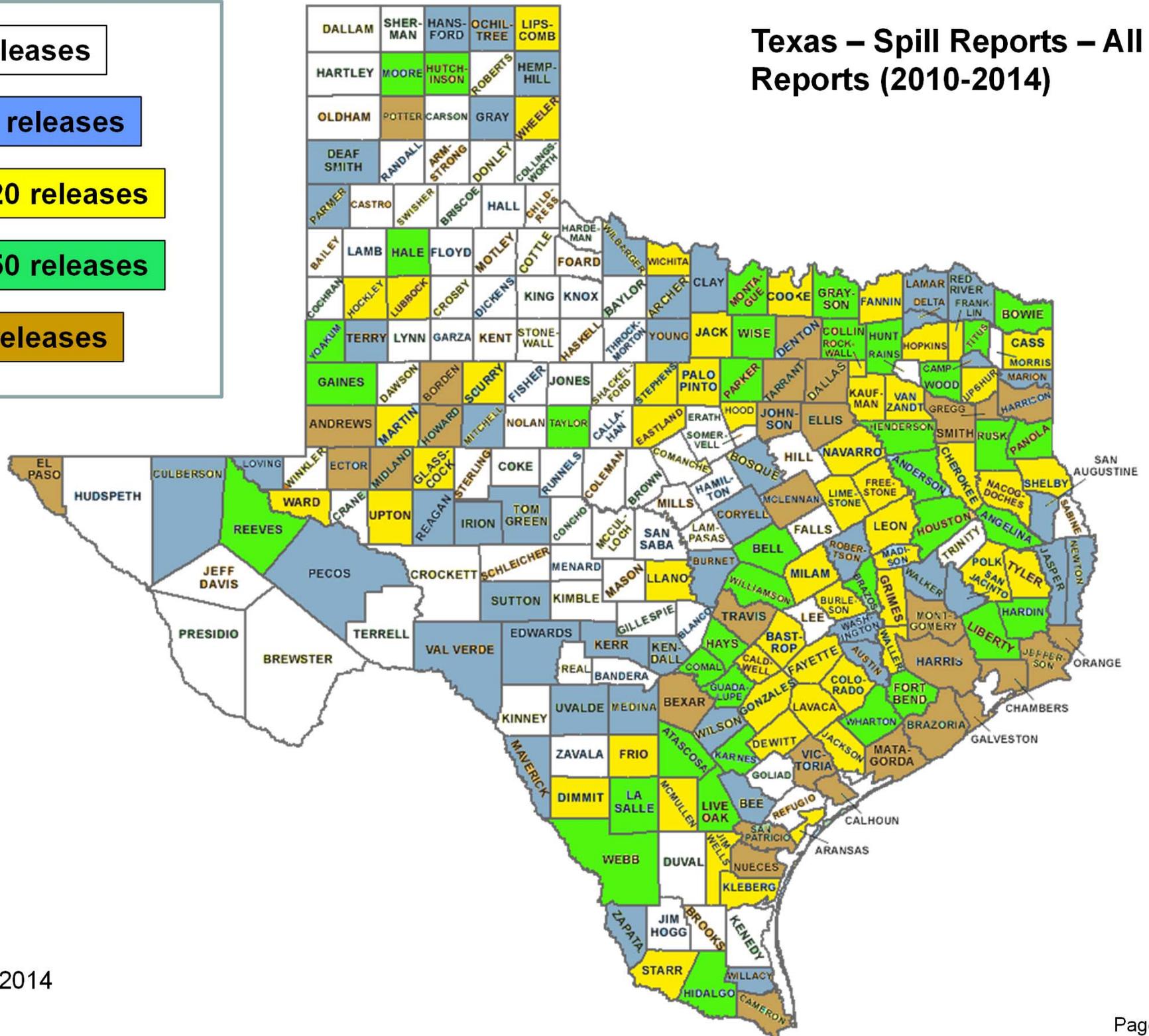
5 - 10 releases

10 - 20 releases

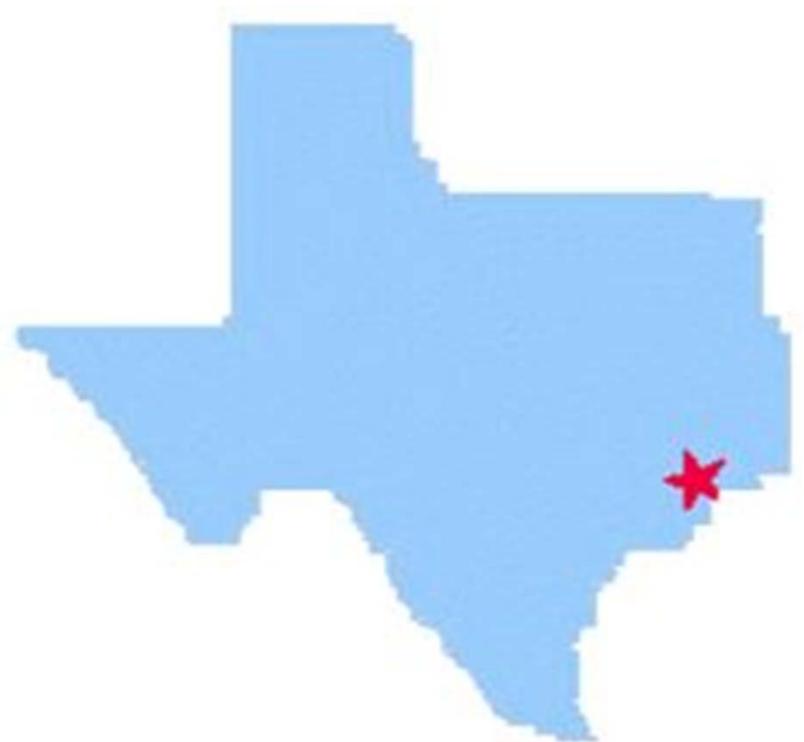
20 - 50 releases

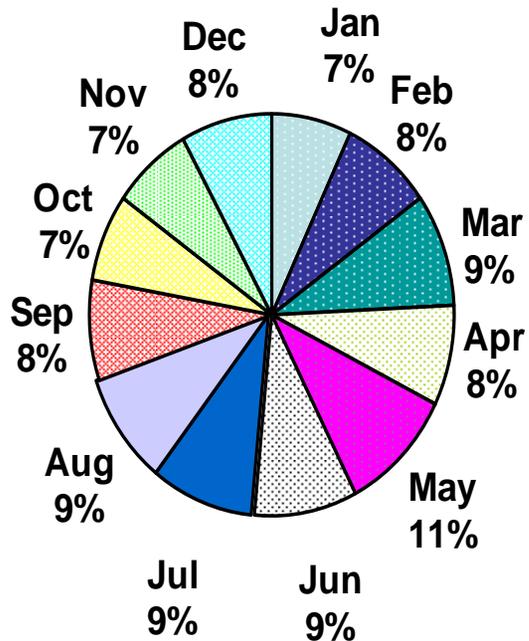
> 50 releases

# Texas – Spill Reports – All Reports (2010-2014)



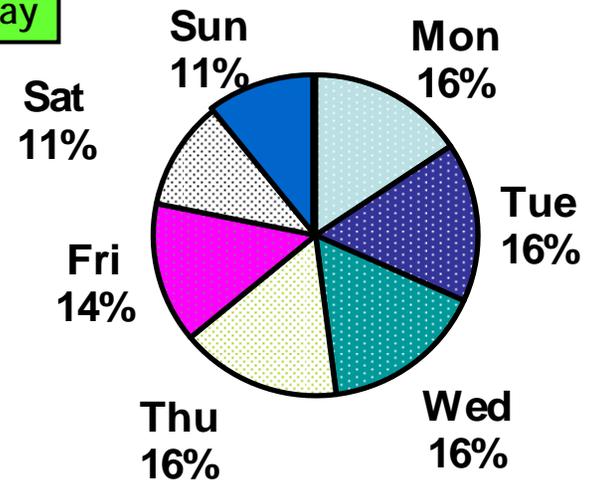
**Since 2000, more air release reports to EPA through the National Response Center have originated from Harris County (Greater Houston), Texas, than 47 States**



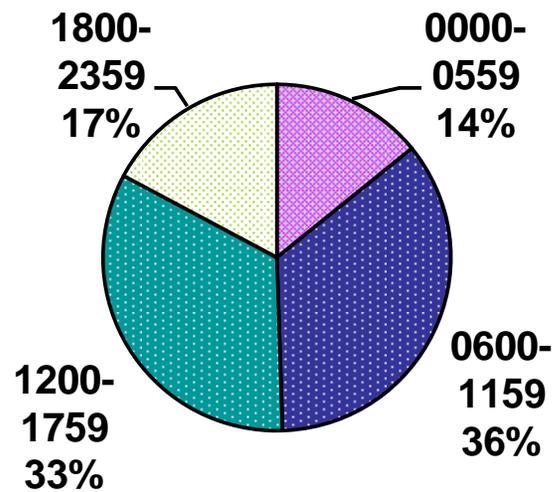


Month

Day



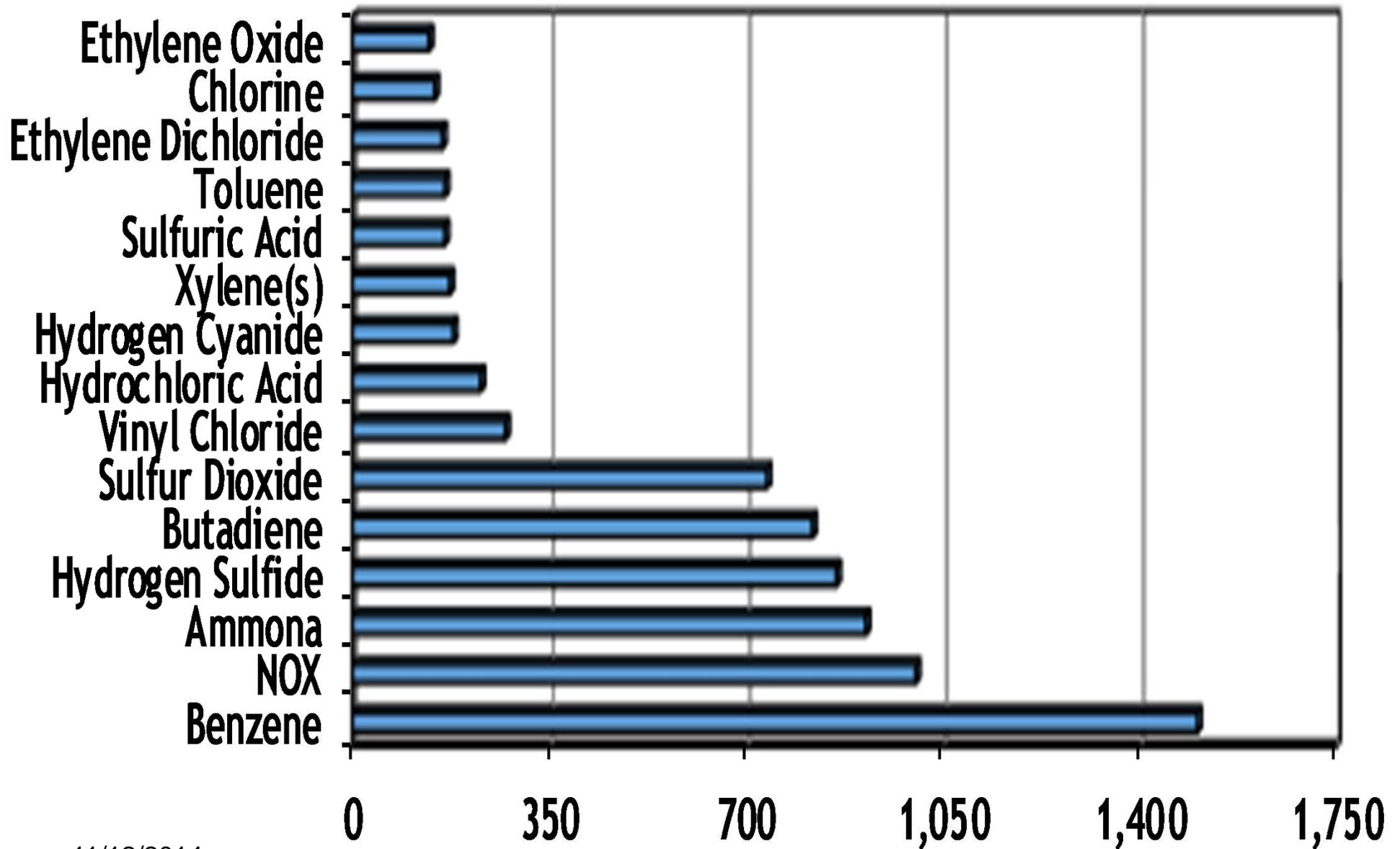
Time



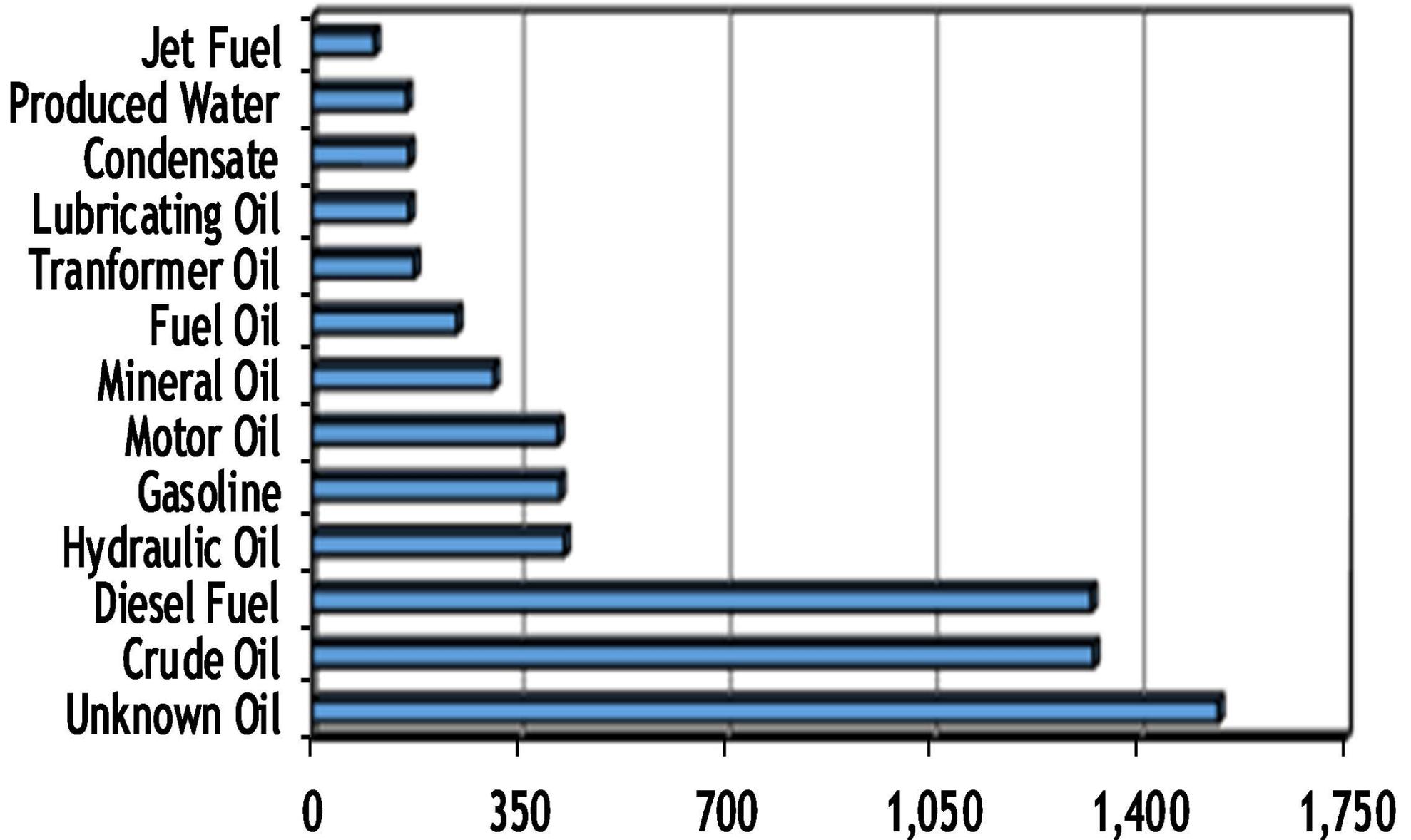
Releases are distributed:

- fairly evenly by month
- less releases on weekend days
- more in middle of day

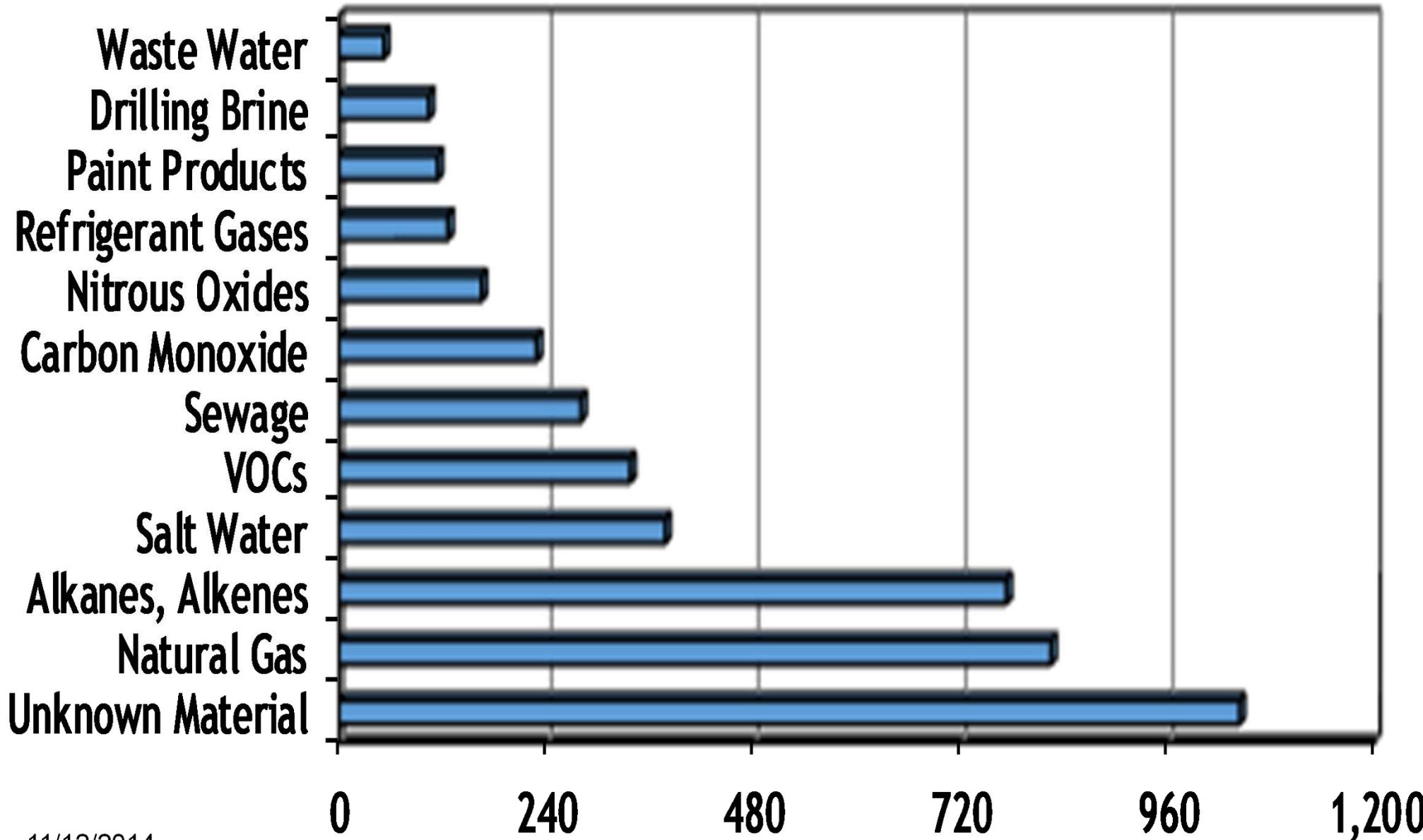
The substances listed below account for 83 % of all hazardous material releases within Region 6 since 2010

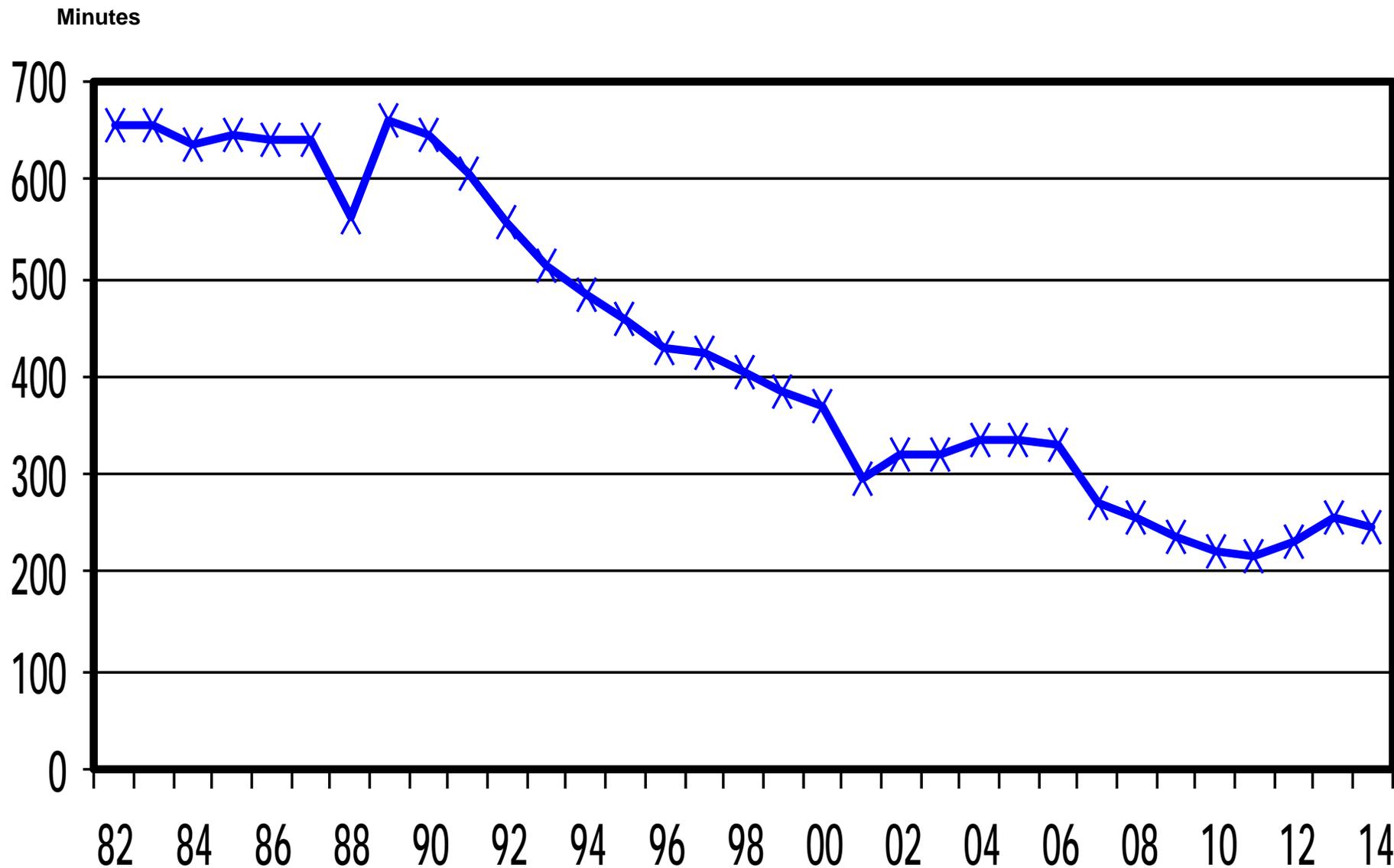


The oil / oil products listed below account for 88 % of all oil / oil product releases within Region 6 since 2010



The materials listed below account for 73 % of all other material releases within Region 6 since 2010





This above indicated decrease over the years can be associated with an aggressive and extensive outreach program under CERCLA, EPCRA, and OPA, as well as a strong Regional enforcement program