



# EPA Region 6 Accidental Release Information :

# 2009 - 2013

*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:**

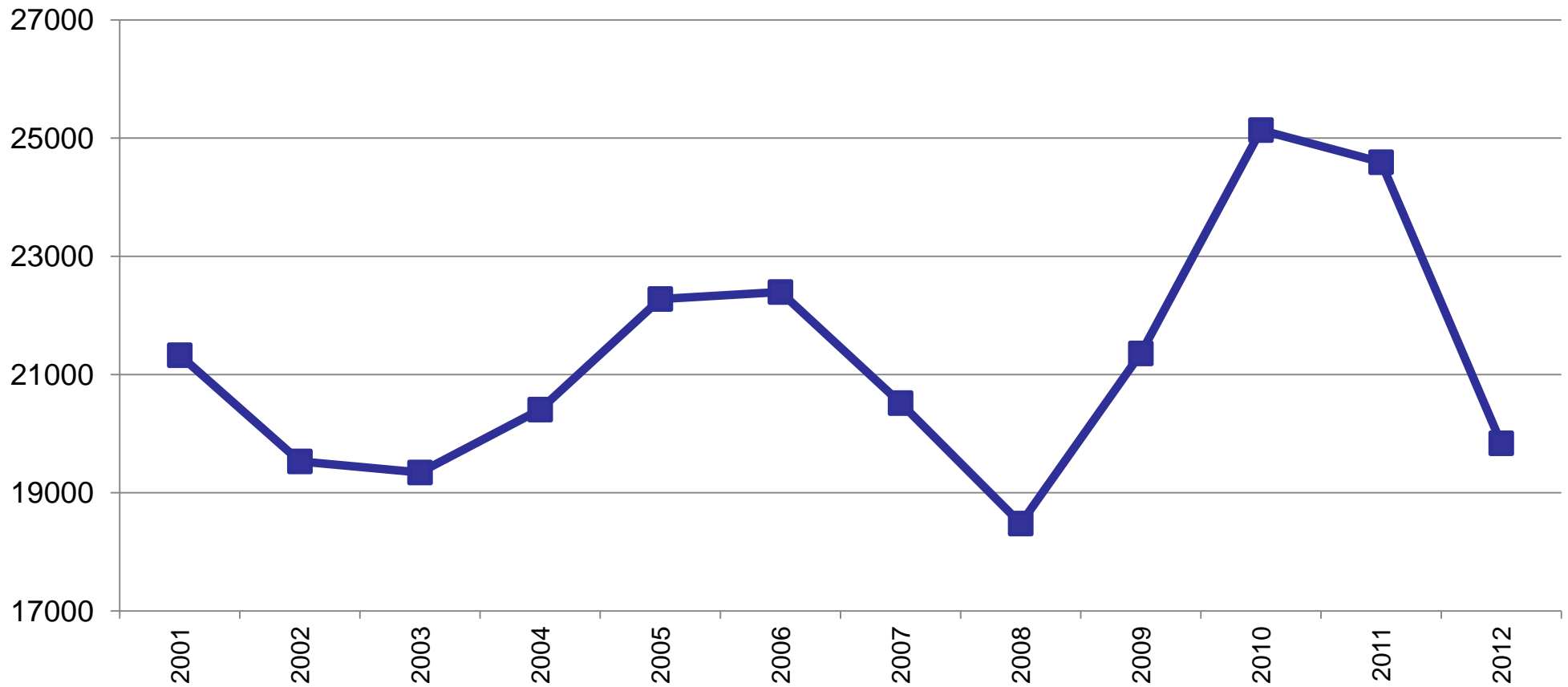
- Briefs the White House, Office of Homeland Security, Secretary of Transportation, and Chiefs of Modal Administrations regarding all significant transportation emergencies;
- Provides information the Coast Guard's Office of Marine Safety, Security, and Environmental Protection as needed;
- Receives 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:**

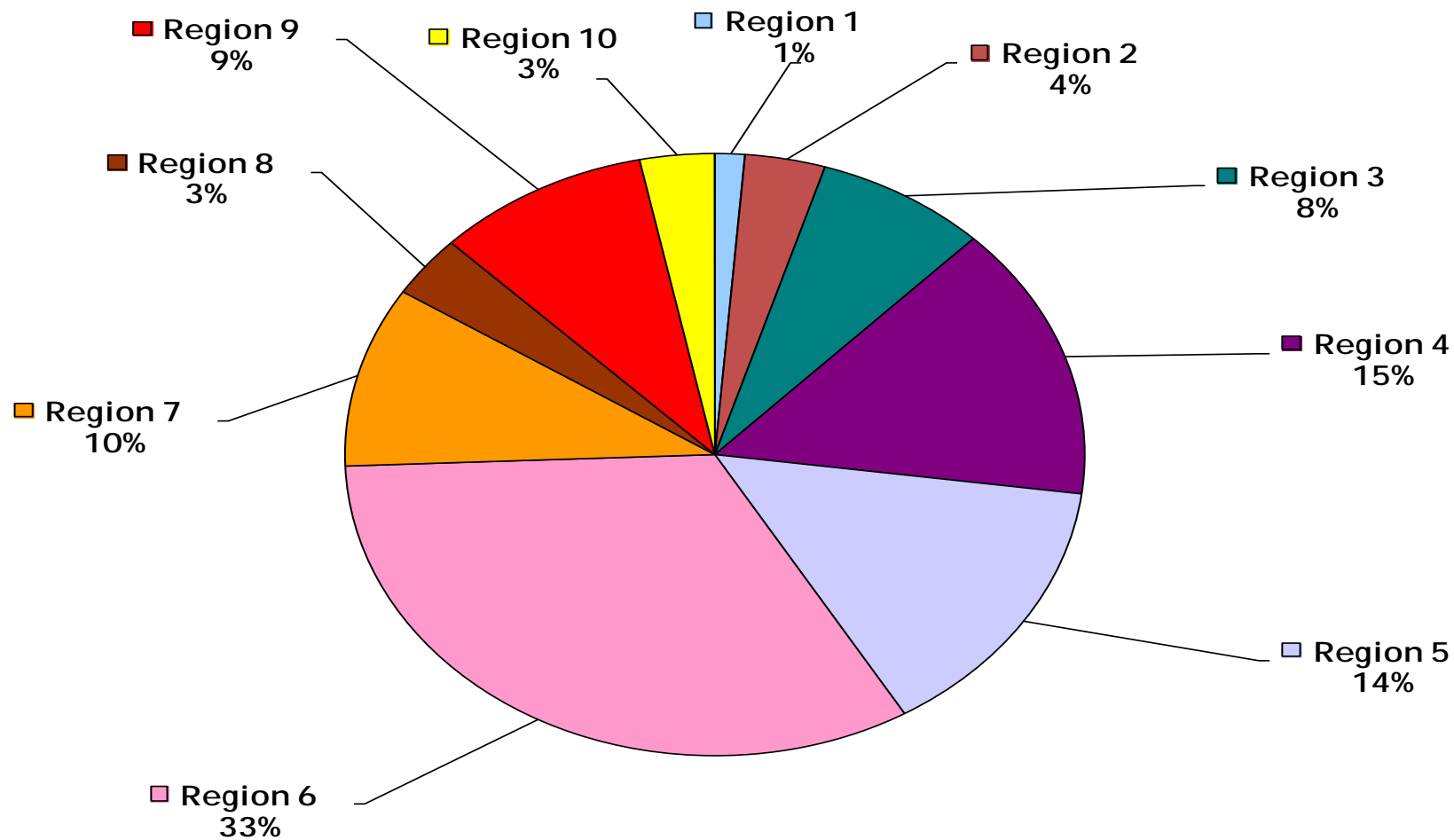


- For EPA, NRC receives incident reports under FRS which is supported under CERCLA, CWA, CAA, EPCRA, and OPA. NRC disseminates reports of oil discharges and chemical releases to OSC;
- For FEMA, NRC acts as a 24 hour contact point to receive earthquake, flood, hurricane, and evacuation reports;
- For 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 -- 2012)**

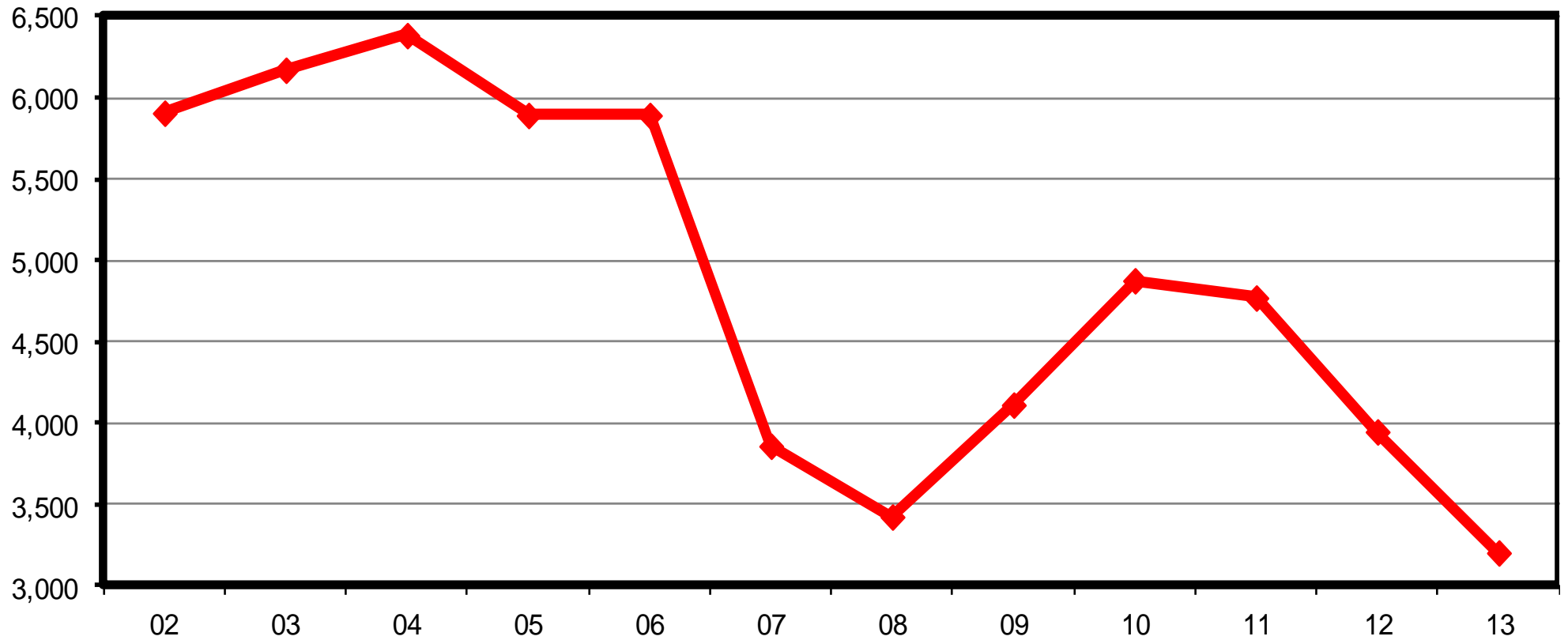


2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
21,327	19,530	19,343	20,407	22,278	22,396	20,517	18,479	21,357	25,136	24,592	19,837



Region 1	Region 2	Region 3	Region 4	Region 5	Region 6	Region 7	Region 8	Region 9	Region 10
217	582	1,243	2,460	2,386	5,476	1,607	553	1,551	542

**NRC Notifications to EPA Region 6 (1982 - 2013)**

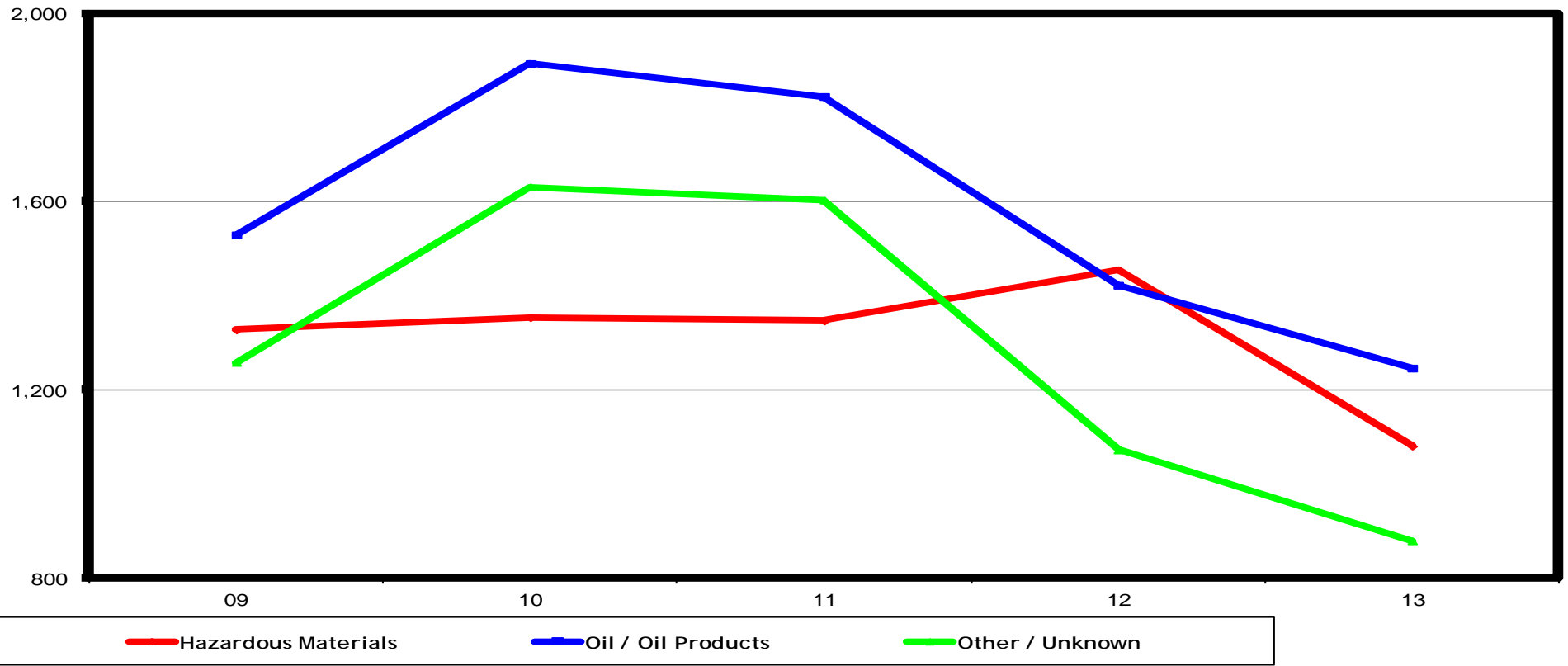


	82	83	84	85	86	87	88	89	90	91	92	93	94	95
<b>EPA Notifications</b>	1,315	1,520	1,521	1,920	2,196	2,057	2,142	3,152	4,591	3,784	4,208	4,340	5,063	5,180

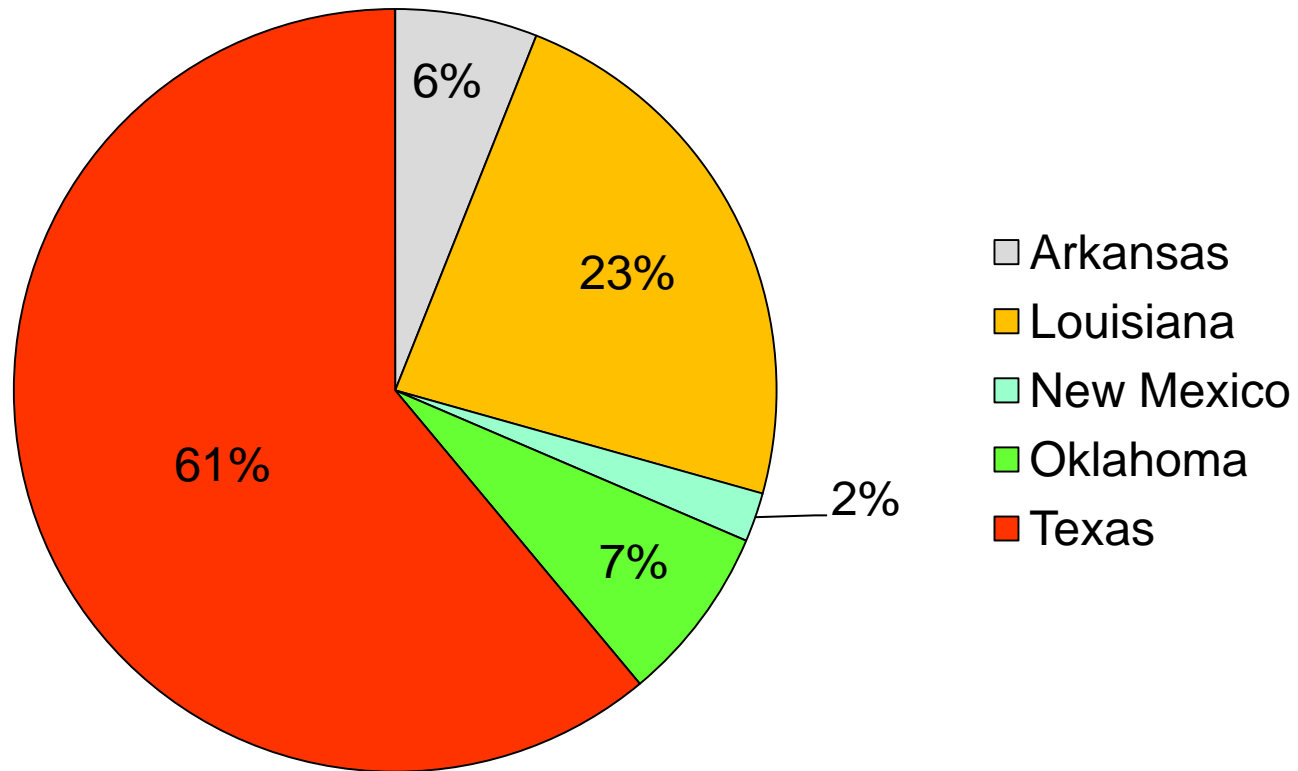
96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12
4,376	4,277	4,472	4,559	4,641	6,131	5,908	6,172	6,385	5,894	5,894	3,861	3,426	4,114	4,878	4,772	3,949

13																
3,205																

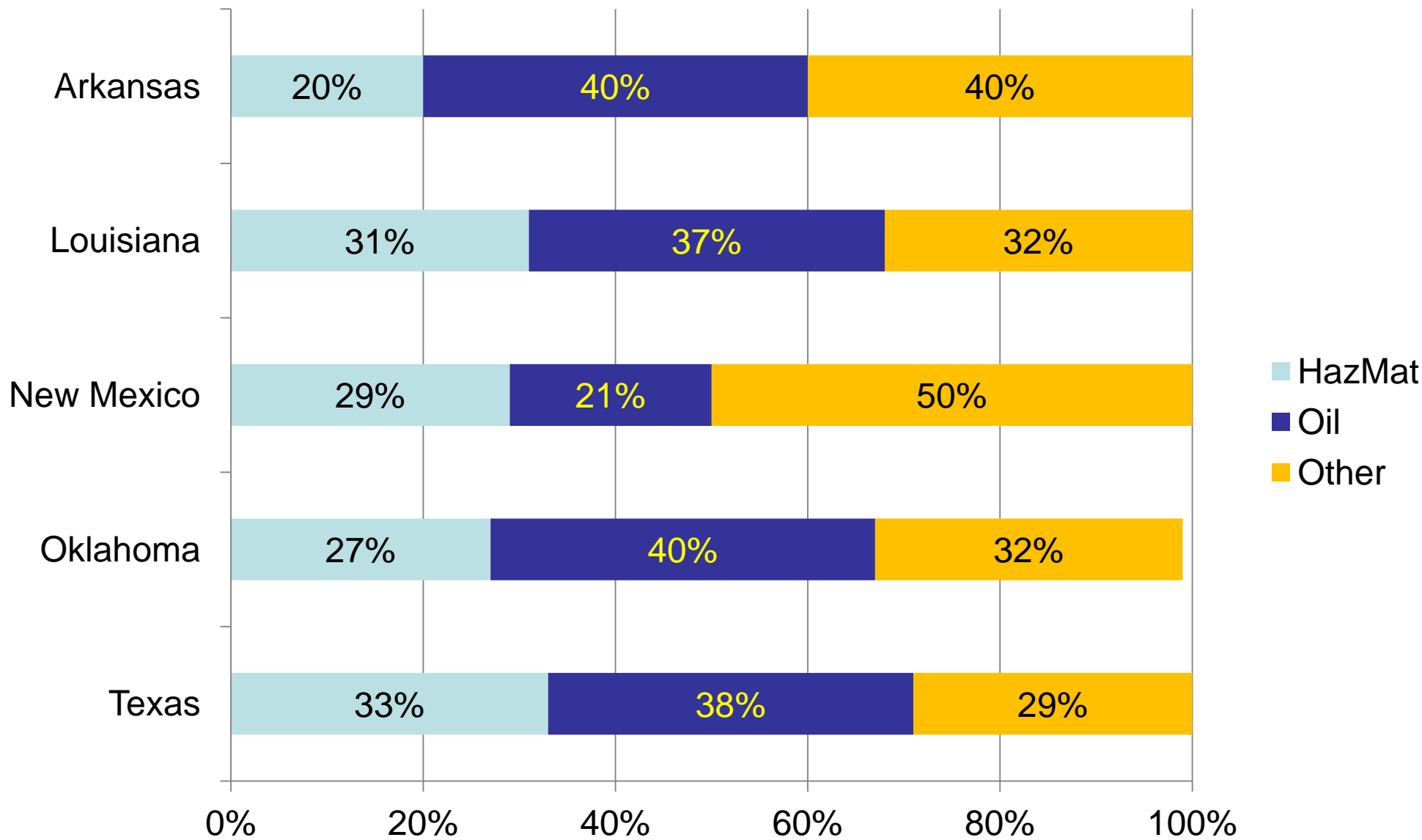
**NRC Notifications to EPA Region 6 -- by Material Type (2009 - 2013)**



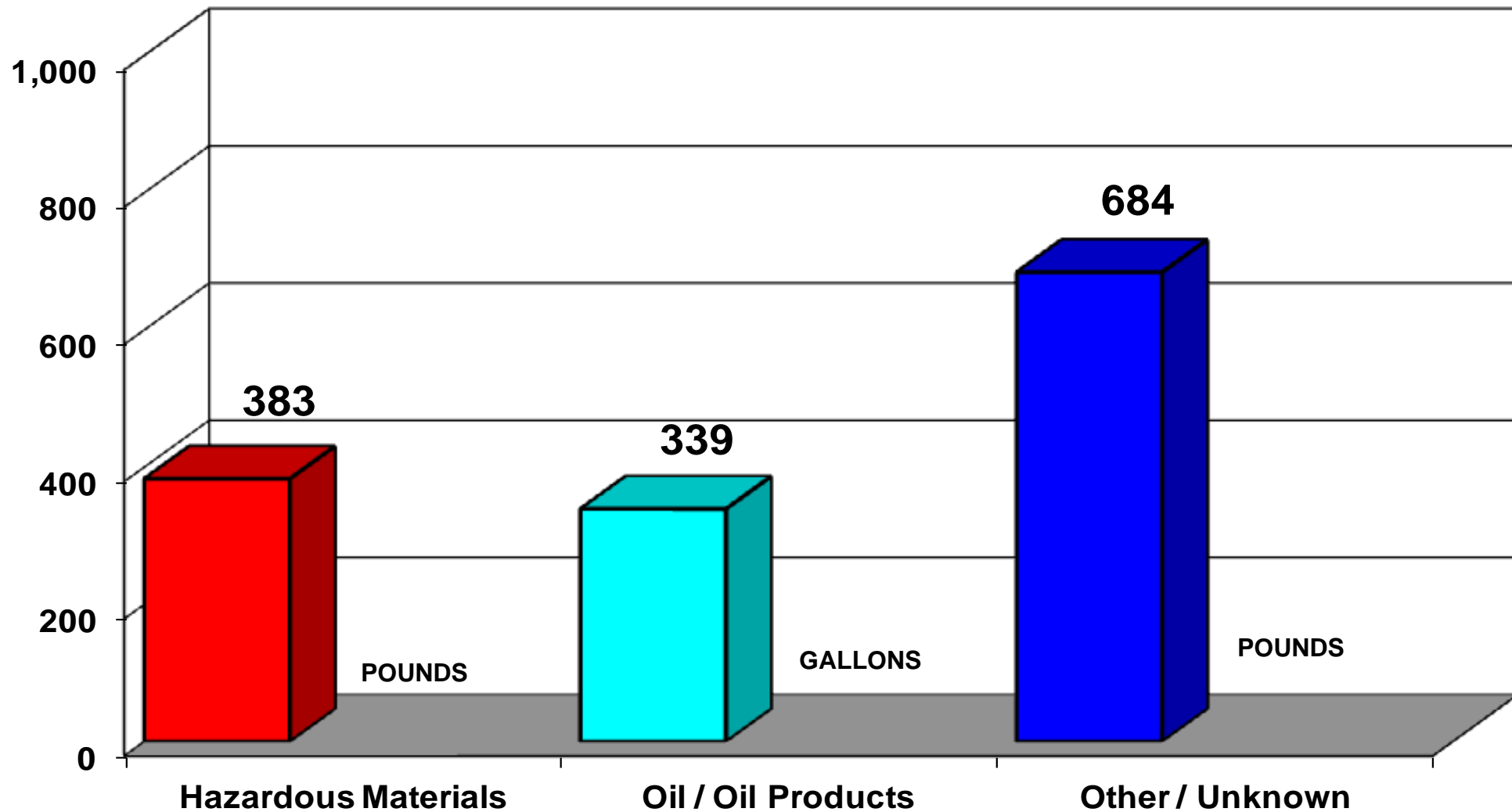
	09	10	11	12	13
<b>Hazardous Materials</b>	1,327	1,353	1,346	1,455	1,080
<b>Oil / Oil Products</b>	1,529	1,893	1,823	1,422	1,246
<b>Other / Unknown</b>	1,258	1,631	1,603	1,072	879



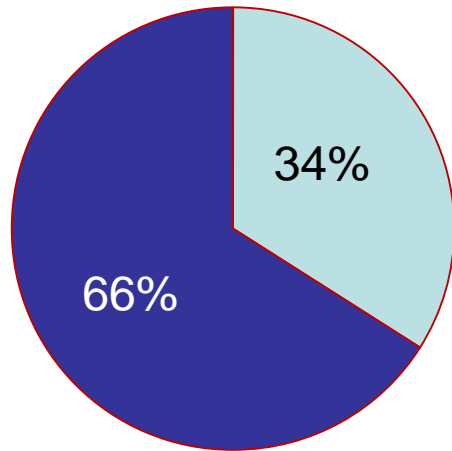
	09	10	11	12	13
<b>Arkansas</b>	241	275	282	230	229
<b>Louisiana</b>	985	1,163	1,207	893	616
<b>New Mexico</b>	98	114	90	70	62
<b>Oklahoma</b>	270	275	294	322	401
<b>Texas</b>	2,516	3,040	2,877	2,424	1,876



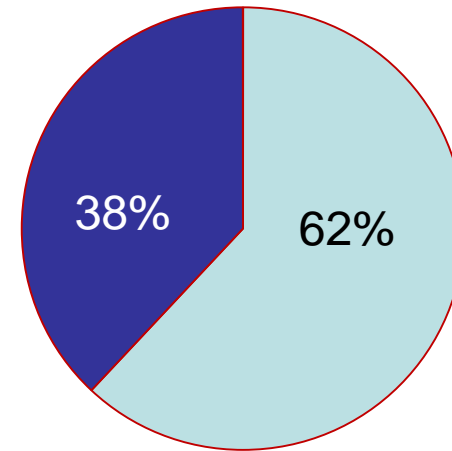




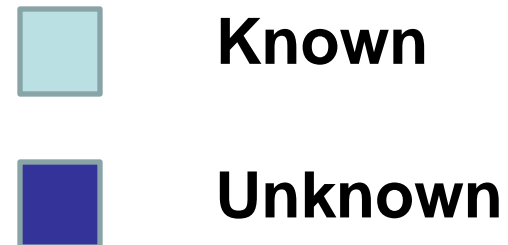
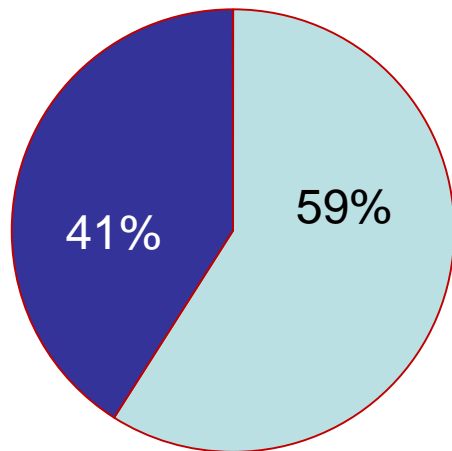
### Other



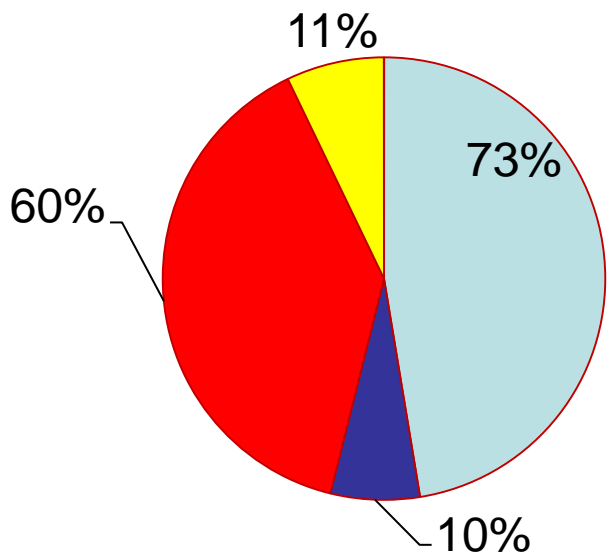
### Hazardous Materials



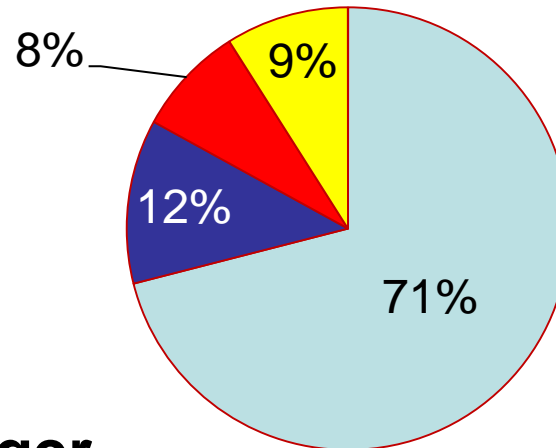
### Oil / Oil Products



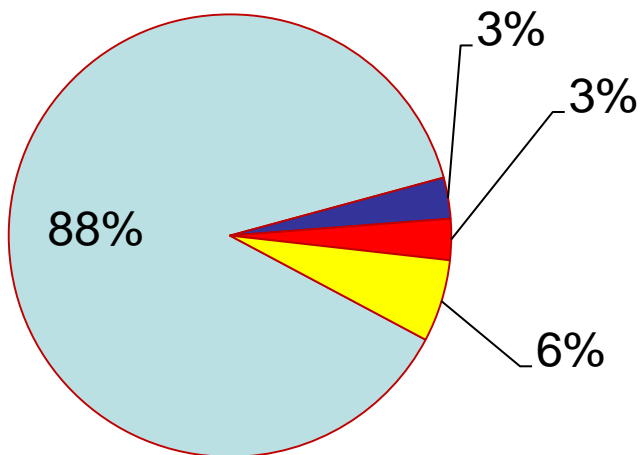
### Cumulative



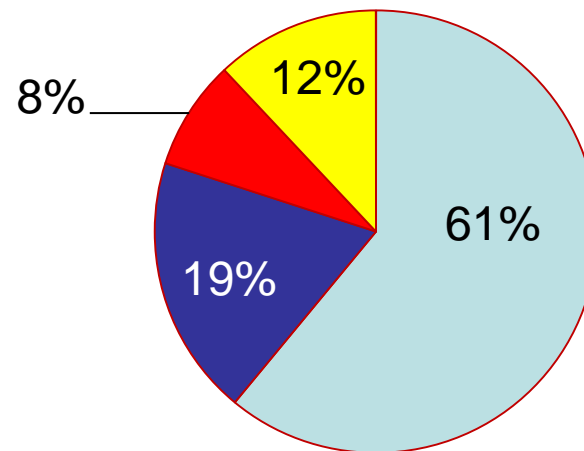
### Hazardous Substances



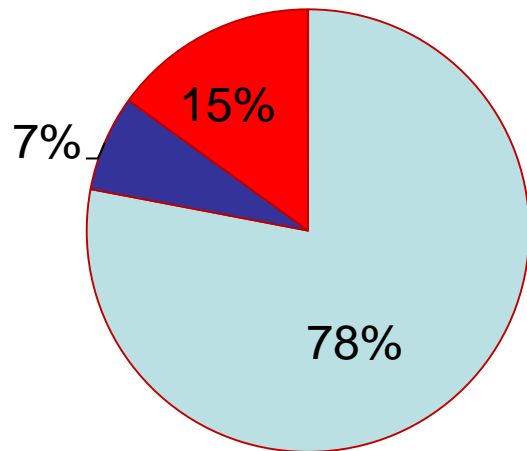
### Oil / Oil Products



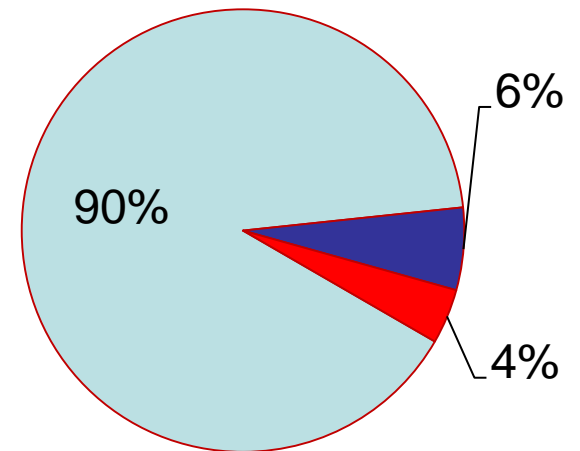
### Other



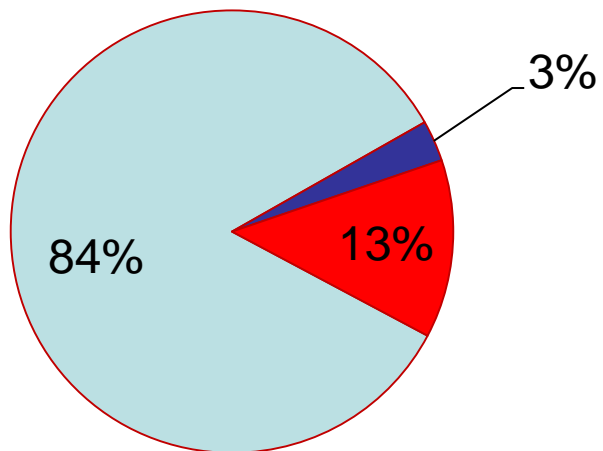
### Cumulative



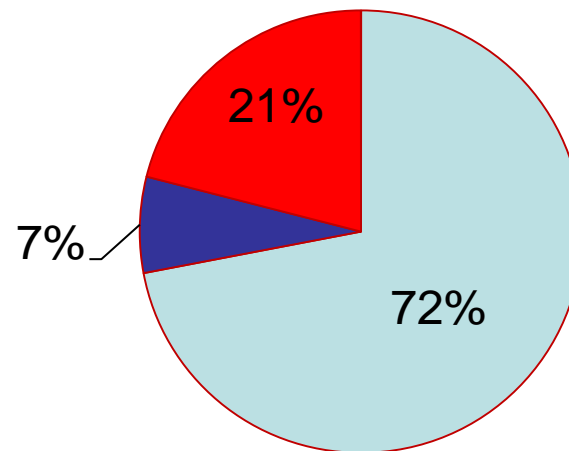
### Hazardous Substances



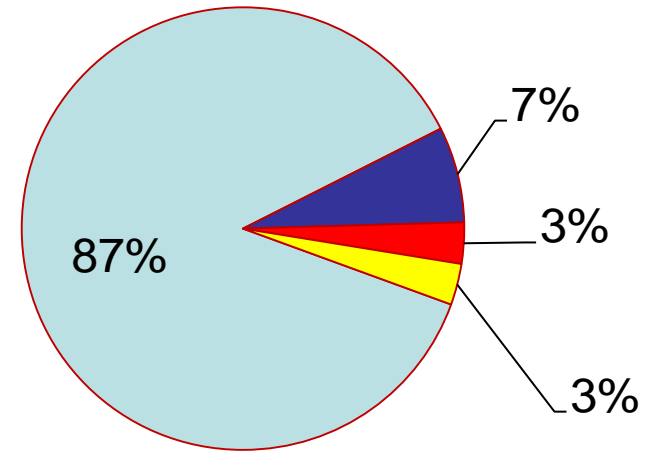
### Oil / Oil Products



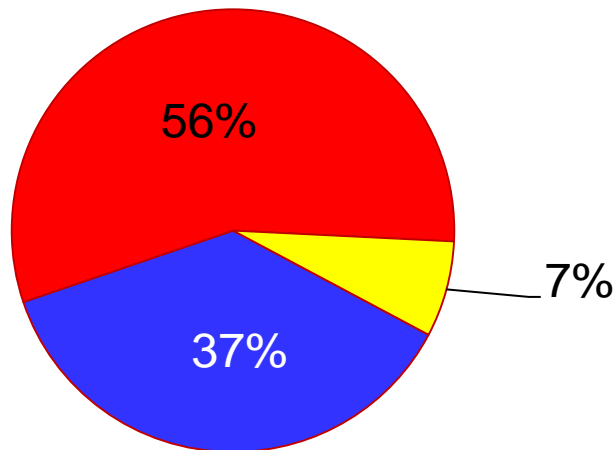
### Other



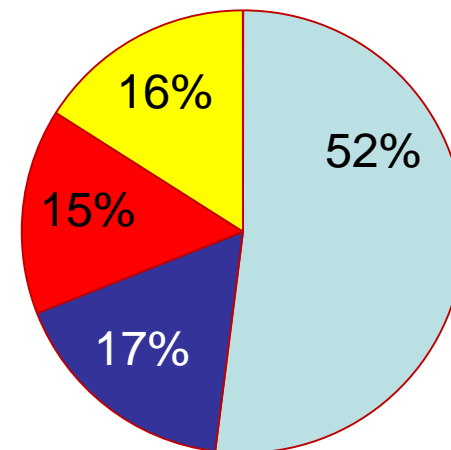
## Hazardous Substances



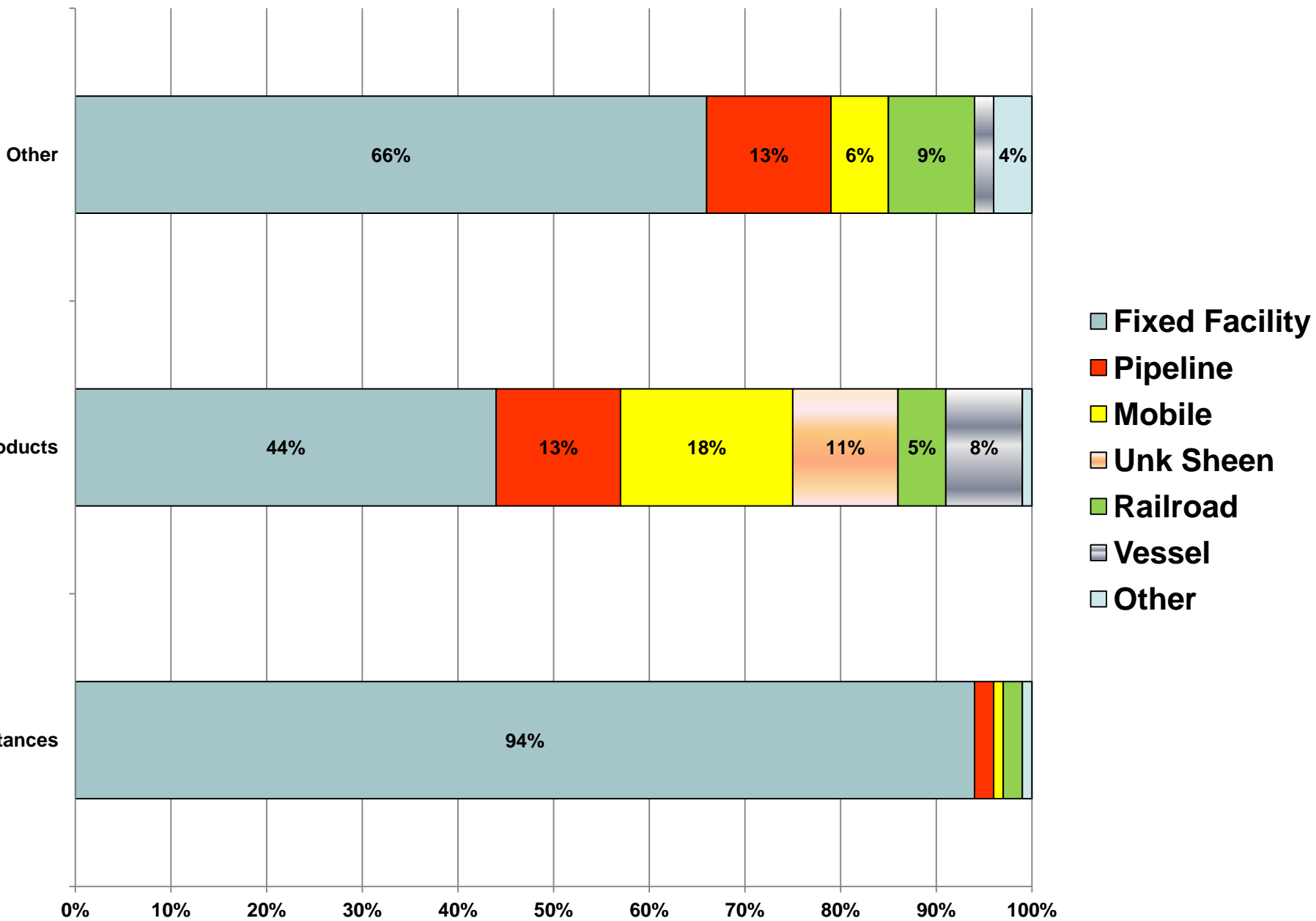
## Oil / Oil Products



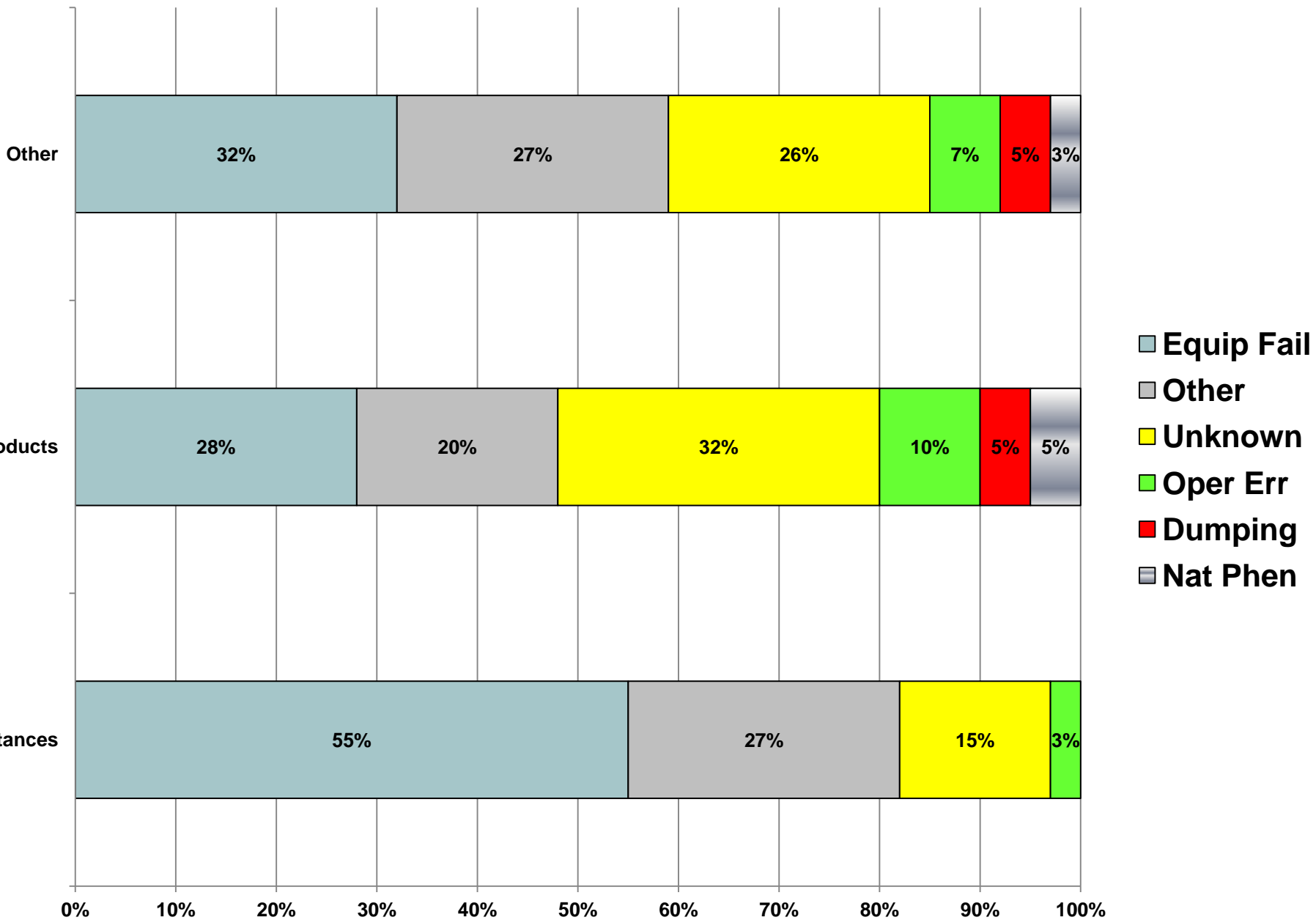
## Other



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



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



Other Causes may include: aircraft crash, continuous, terrorist

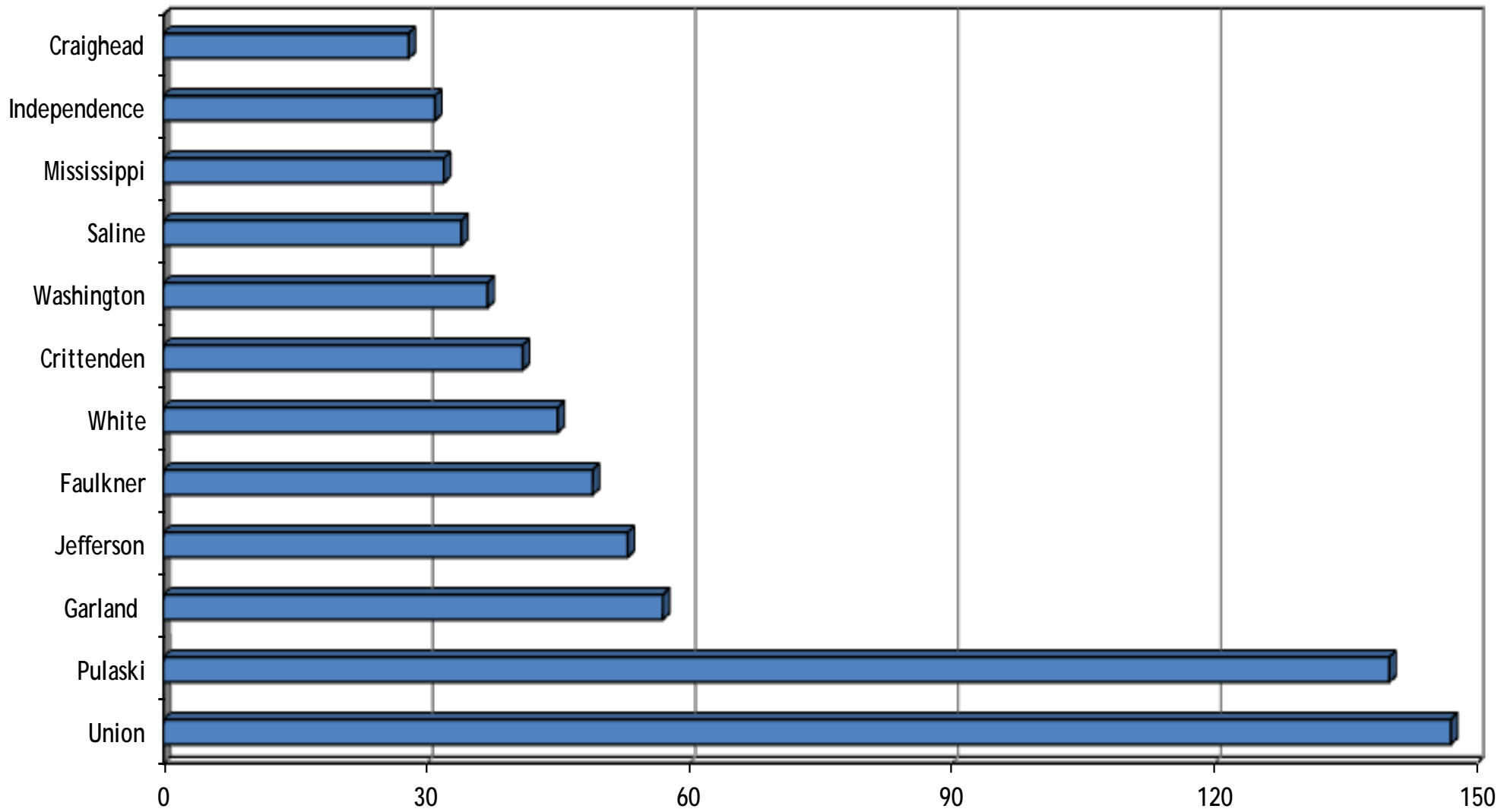
**Since 2009, approximately 3.5% of all release reports have led to a significant event (death, injury, community evacuation, evacuation of a facility, shelter-in-place)**

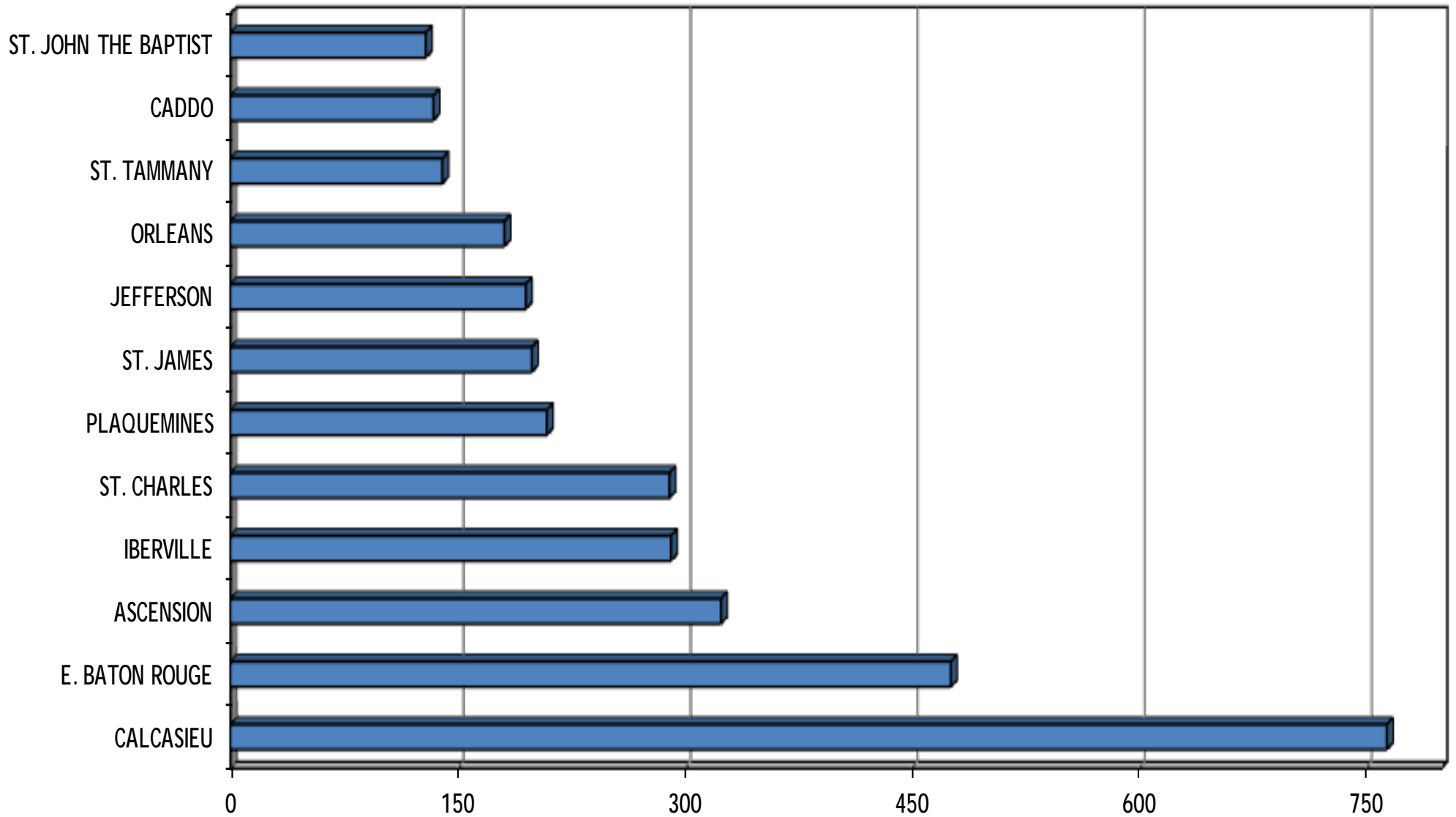
**Deaths, injuries, and evacuations may not be directly due to exposure, but as a consequence of the accident resulting in the release**

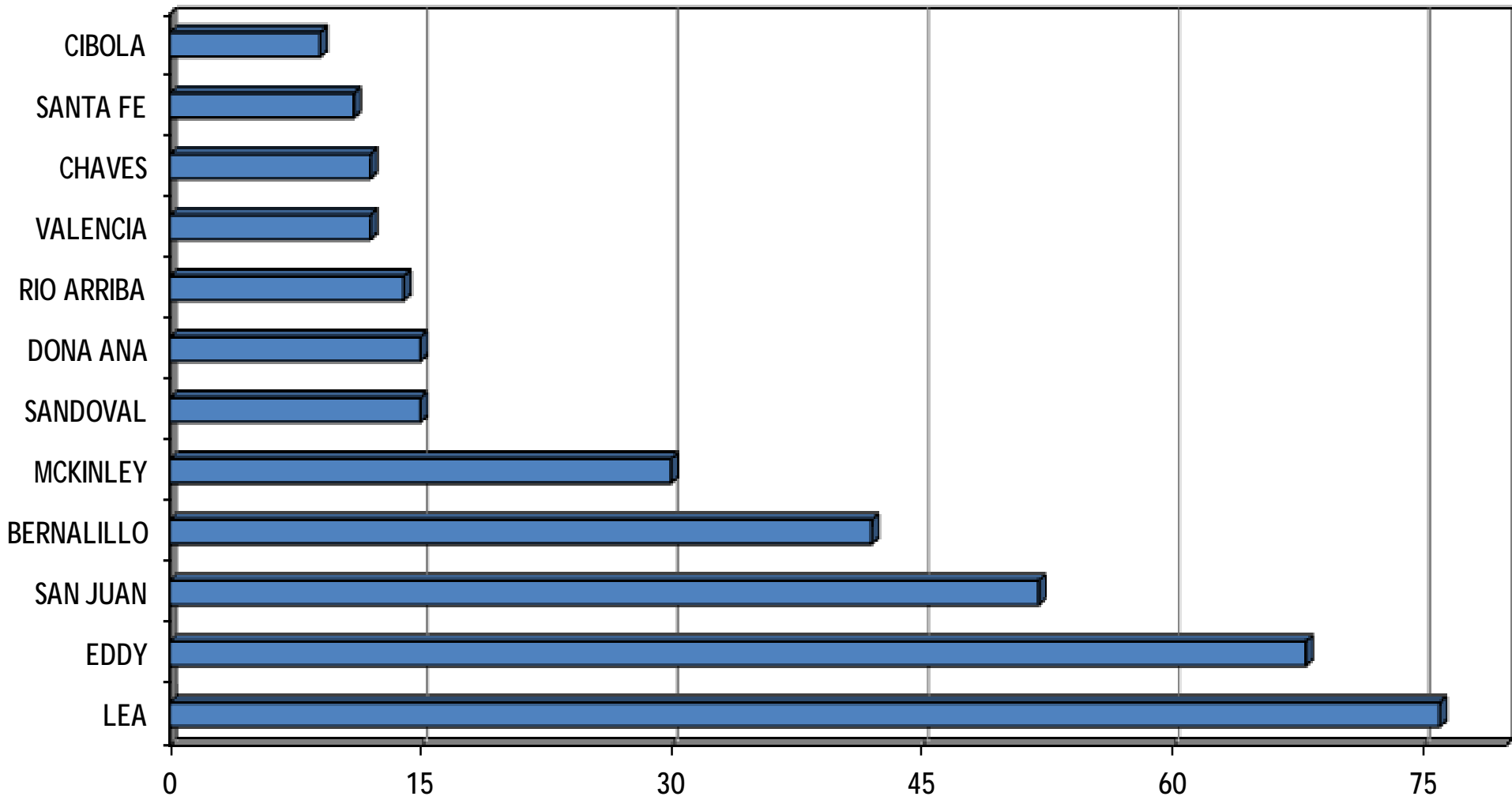
**Since 2009, statistically there is a shelter-in-place or evacuation of a community (whole or part) or of a facility due to a hazardous substance, oil, or other material incident somewhere in Region 6, on a weekly basis**

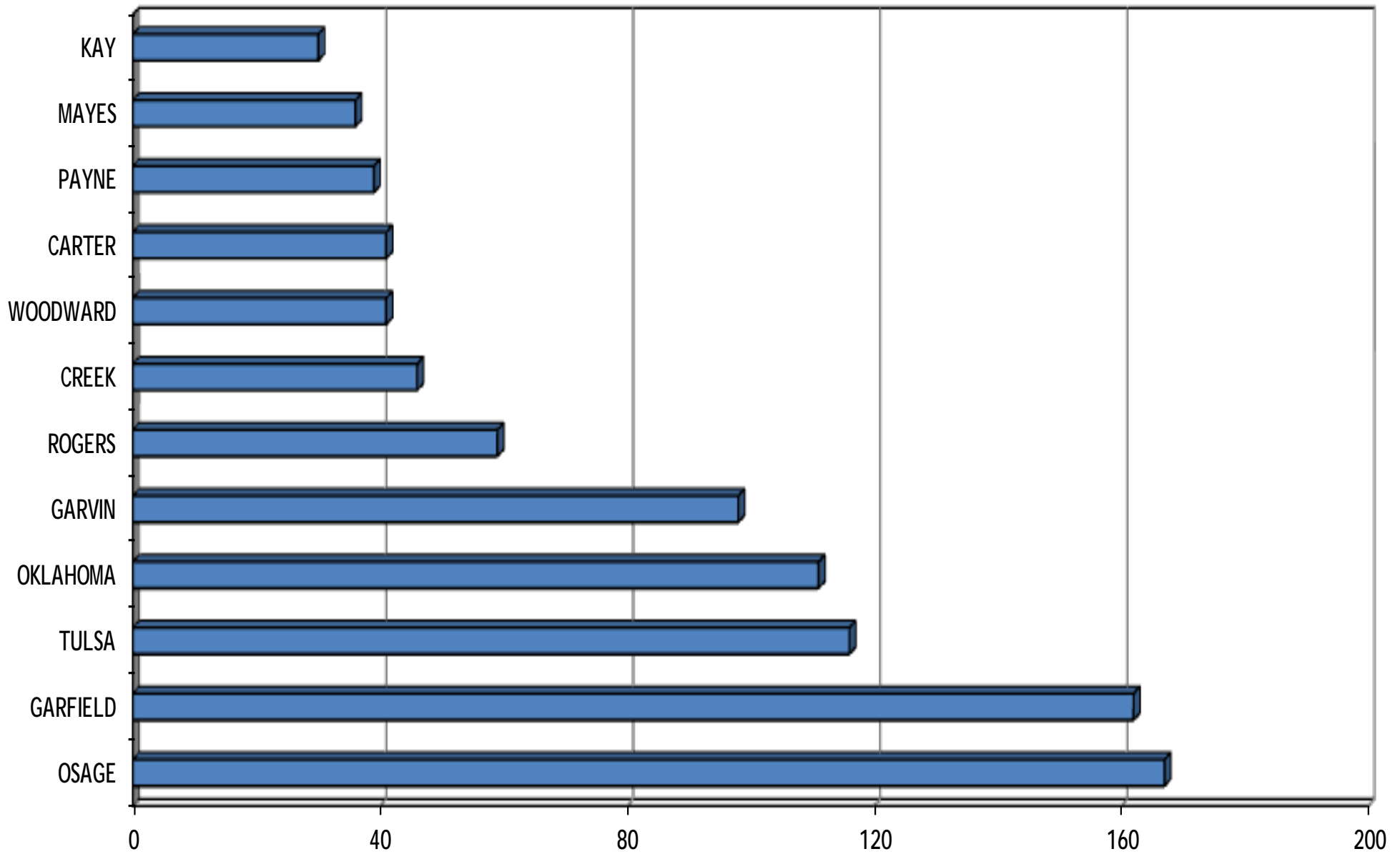


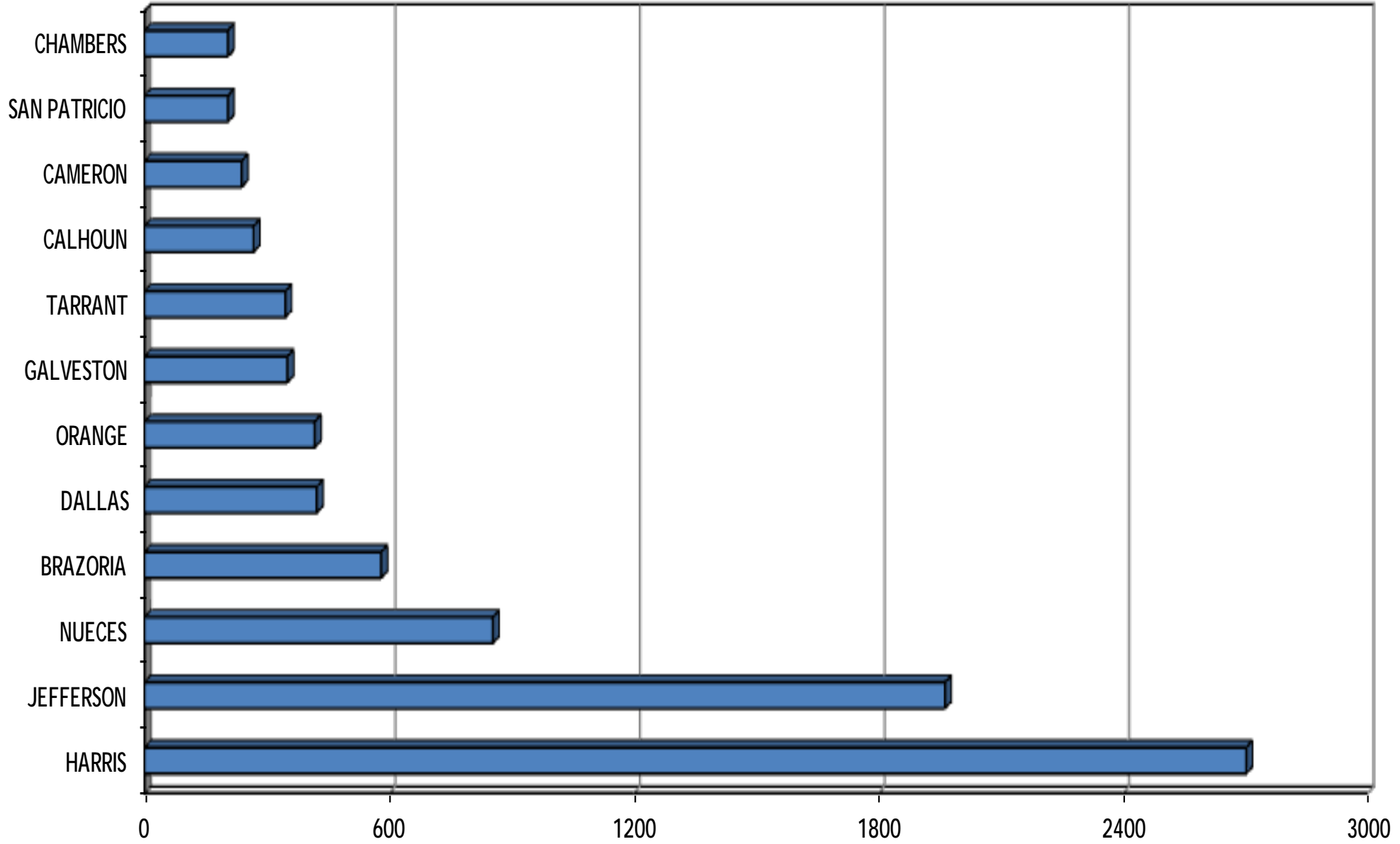
NRC Notifications to EPA Region 6 -- Top Counties : Arkansas (2009 - 2013)



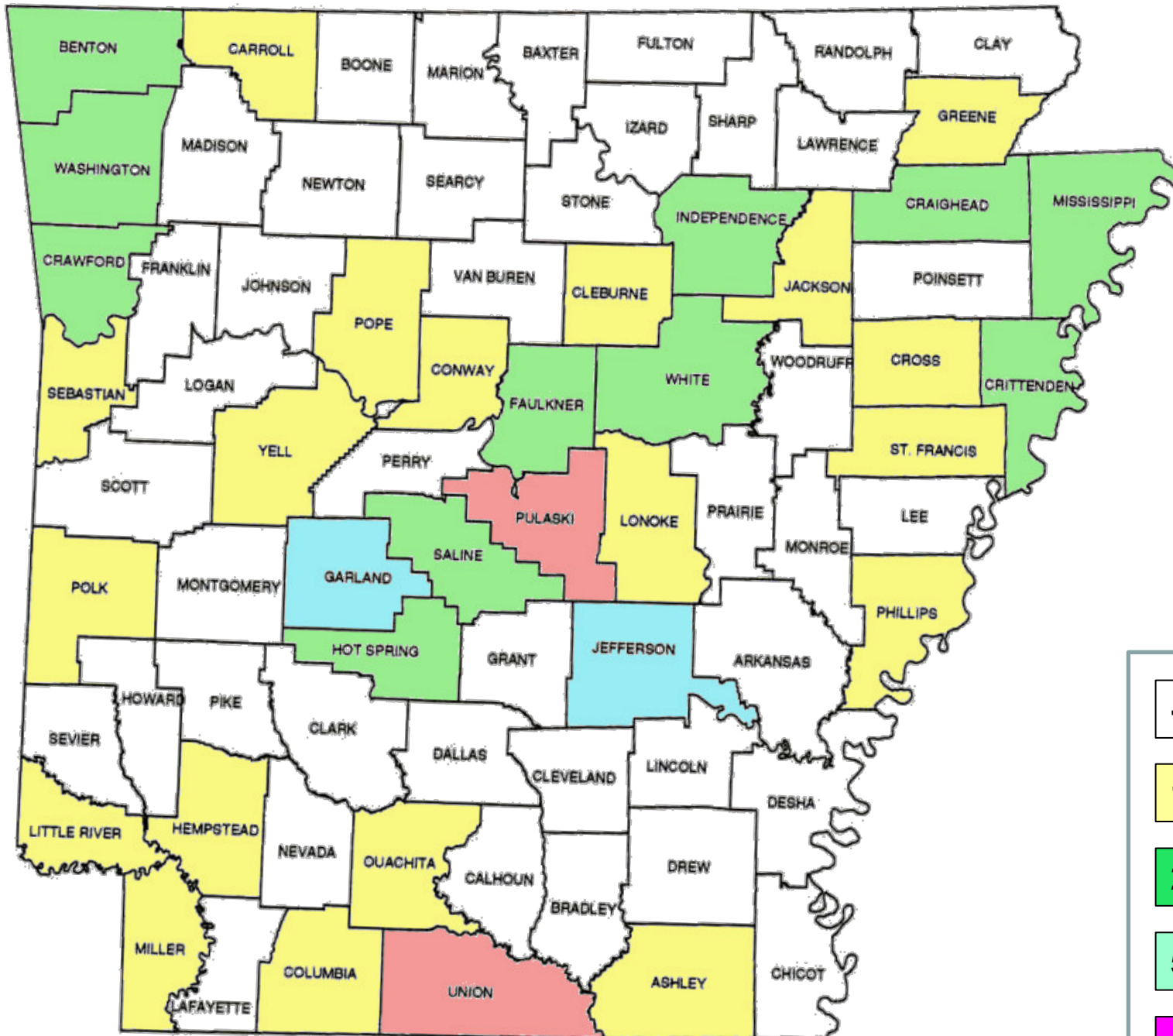








# Region 6 – Spill Reports – All Reports (2009-2013)



< 10 releases

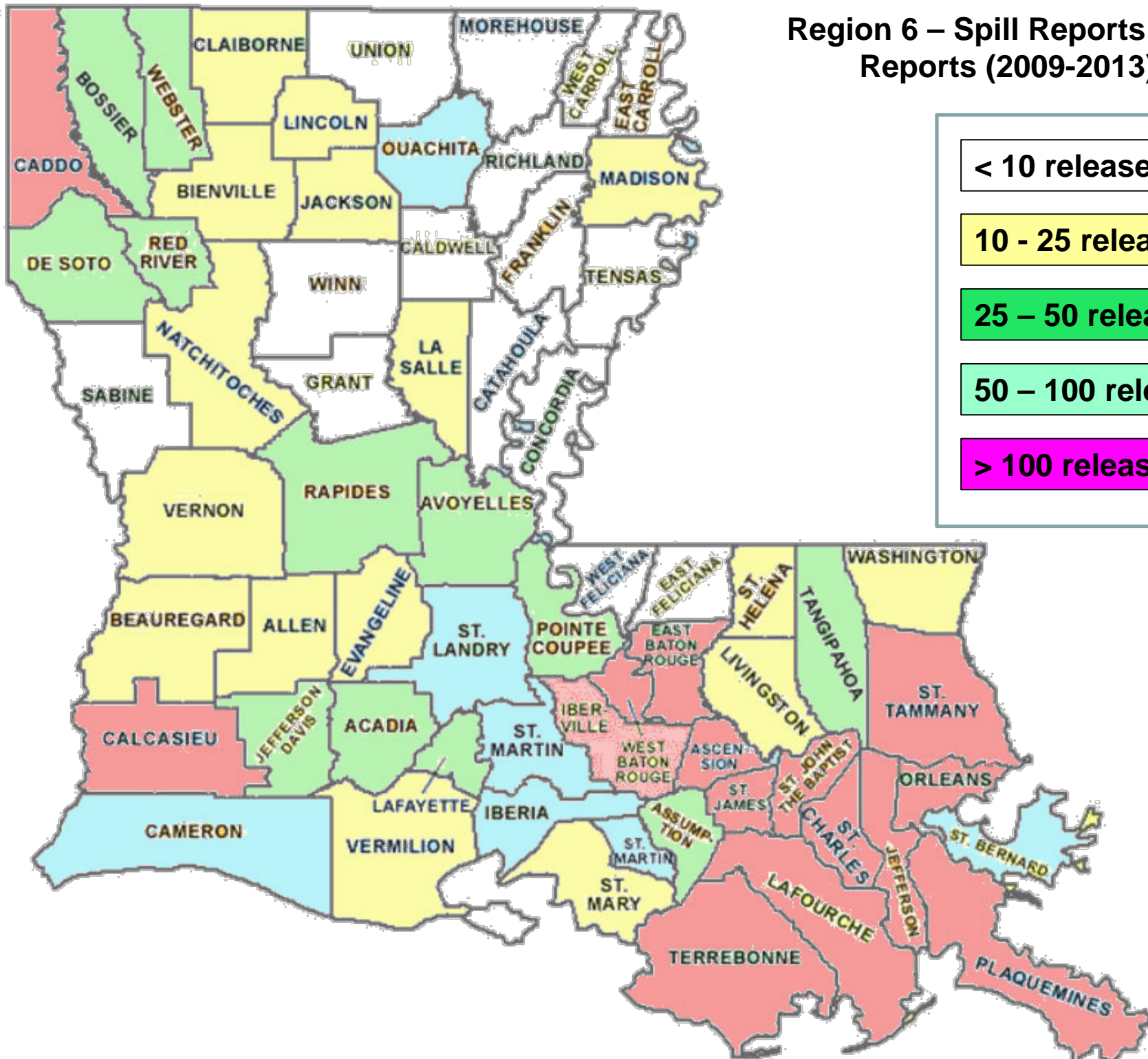
10 - 25 releases

25 - 50 releases

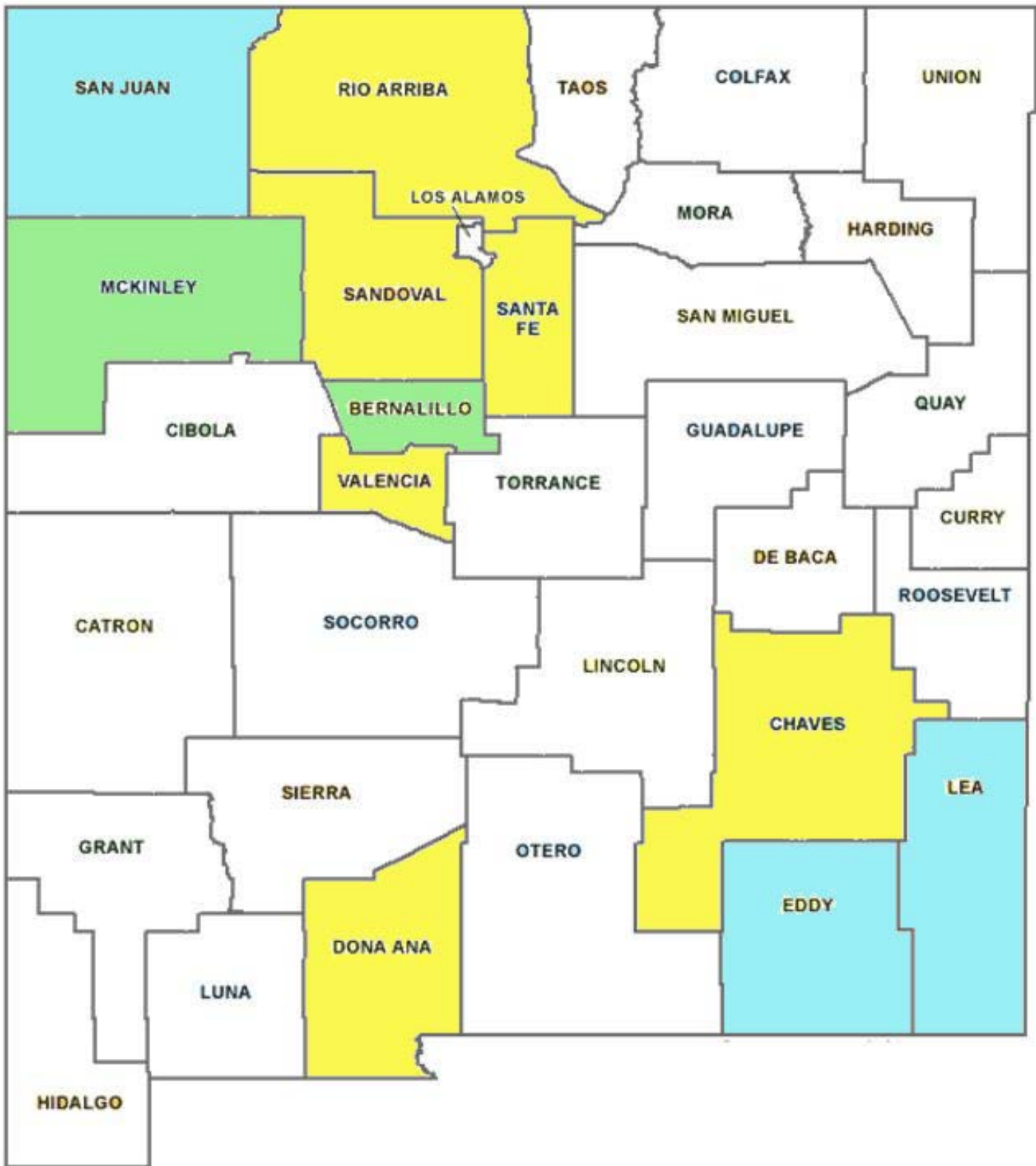
50 - 100 releases

> 100 releases

# Region 6 – Spill Reports – All Reports (2009-2013)



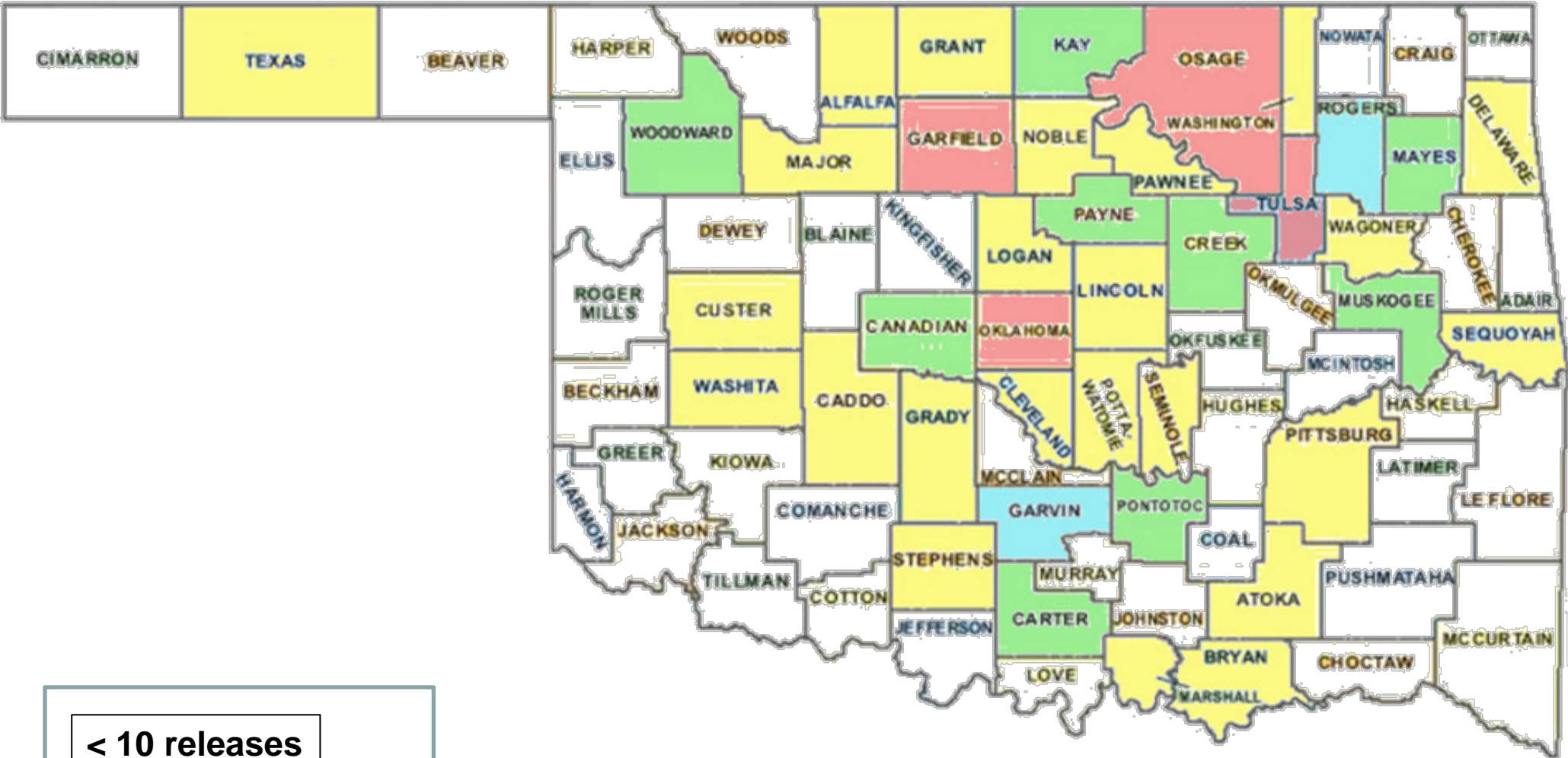




**Region 6 – Spill Reports  
– All Reports (2009-  
2013)**







< 10 releases

10 - 25 releases

25 - 50 releases

50 - 100 releases

> 100 releases

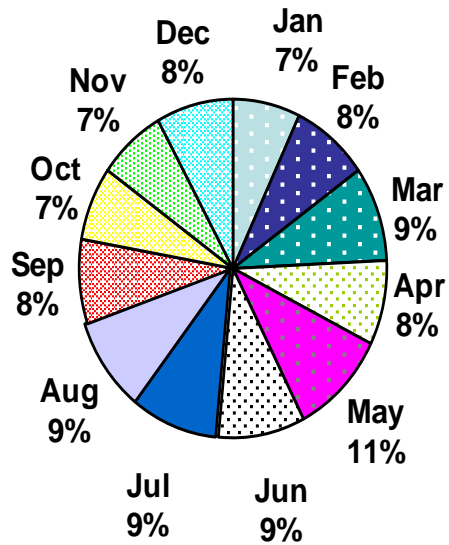
Region 6 – Spill Reports – All Reports (2009-2013)



**Since 2006, more air release reports to EPA through the National Response Center have originated from Harris County (Greater Houston), Texas, than 47 States**

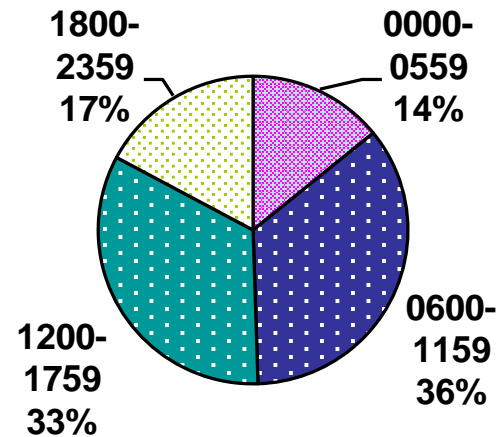
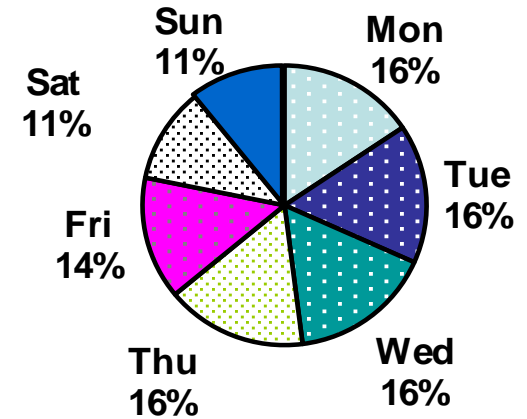
**It is truly the center of the Chemical Universe !**





Month

Day

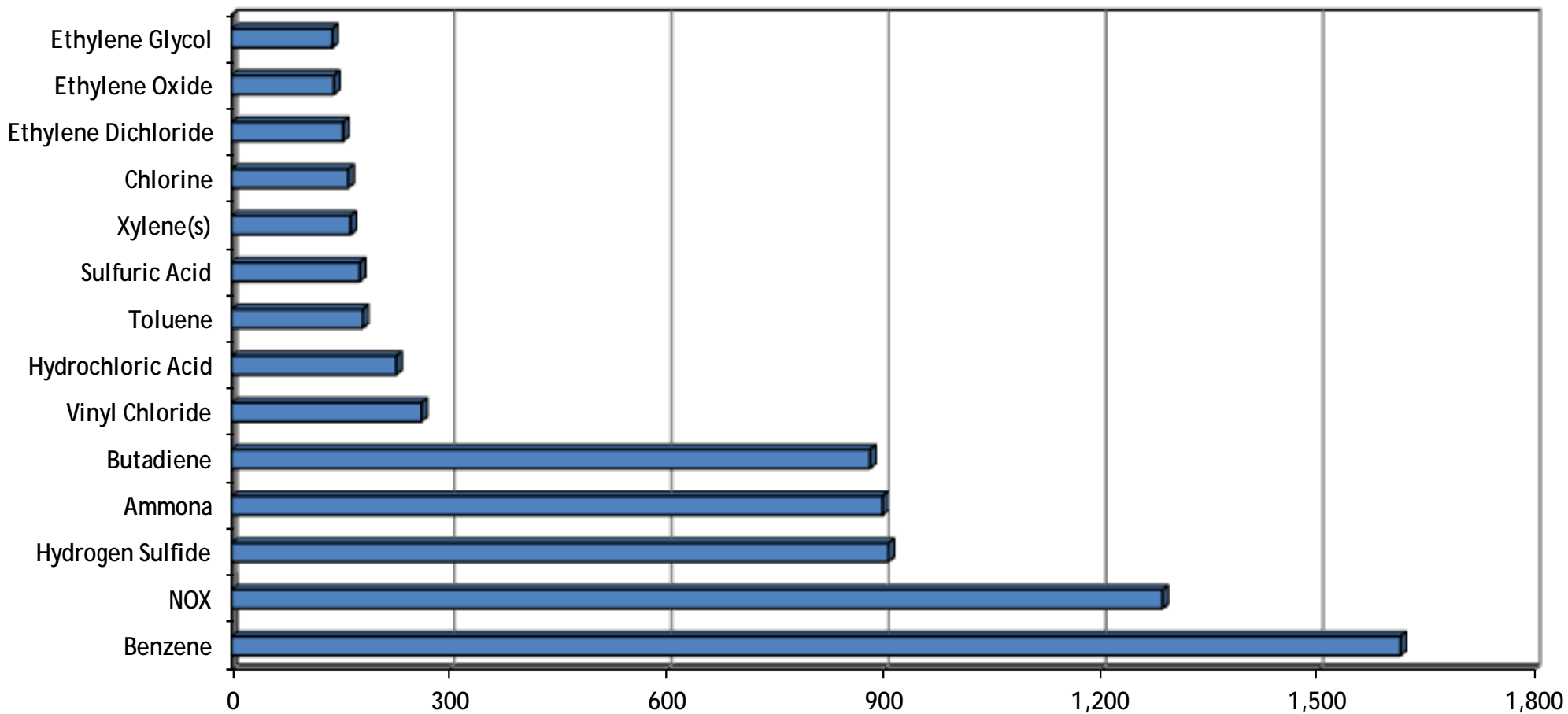


Time

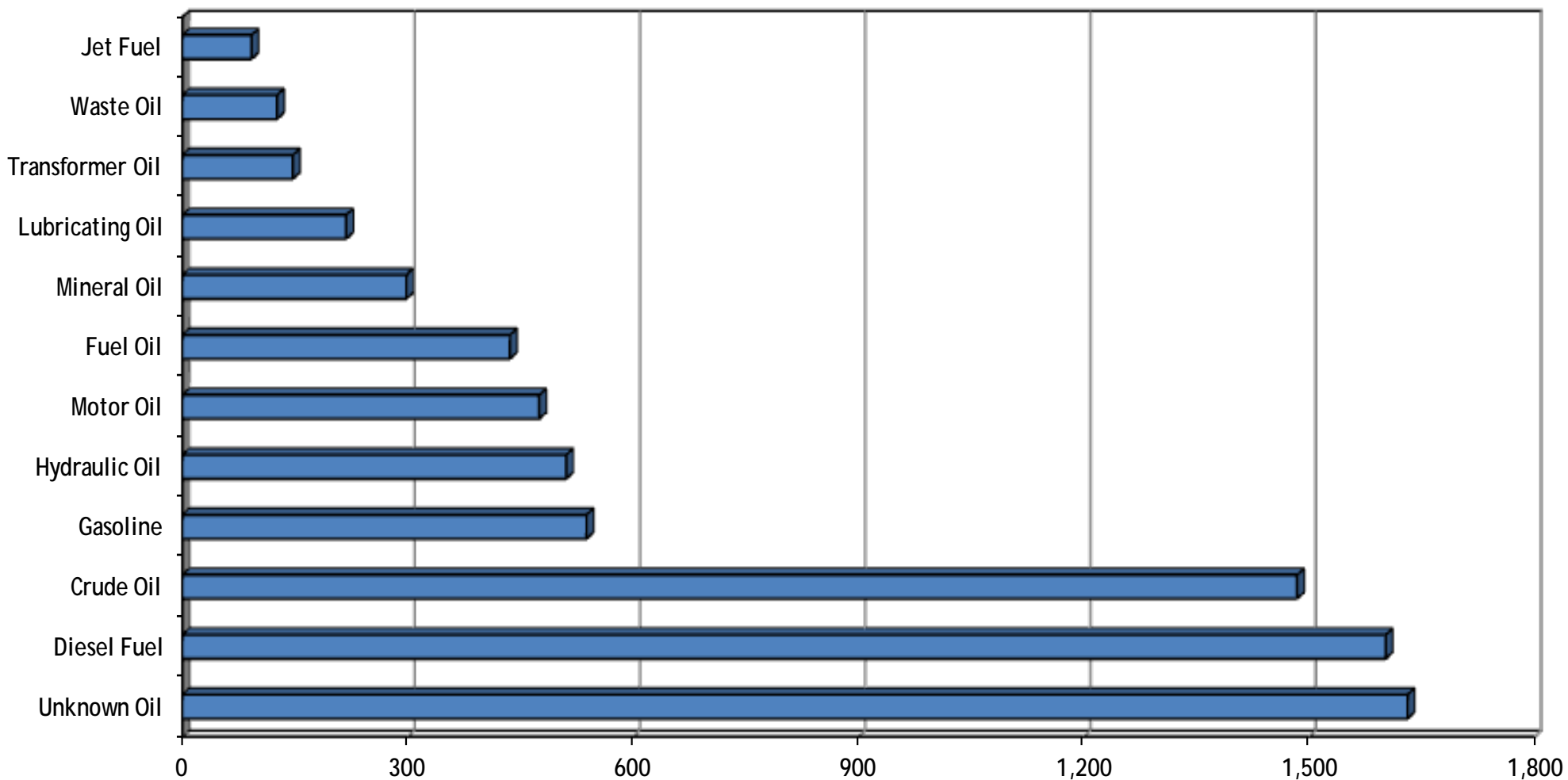
Releases are distributed:

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

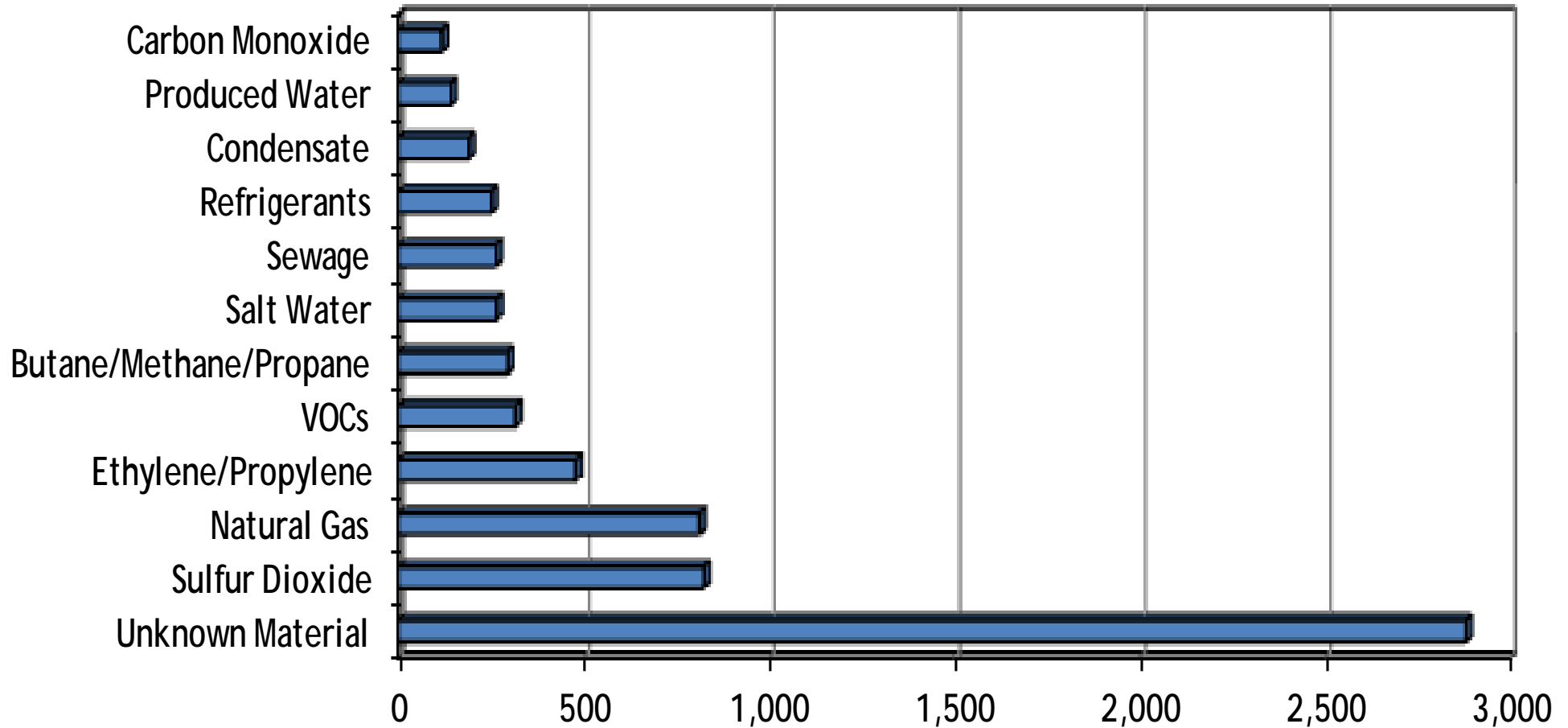
The 14 materials listed below account for 80 % of all hazardous material releases within Region 6 since 2009

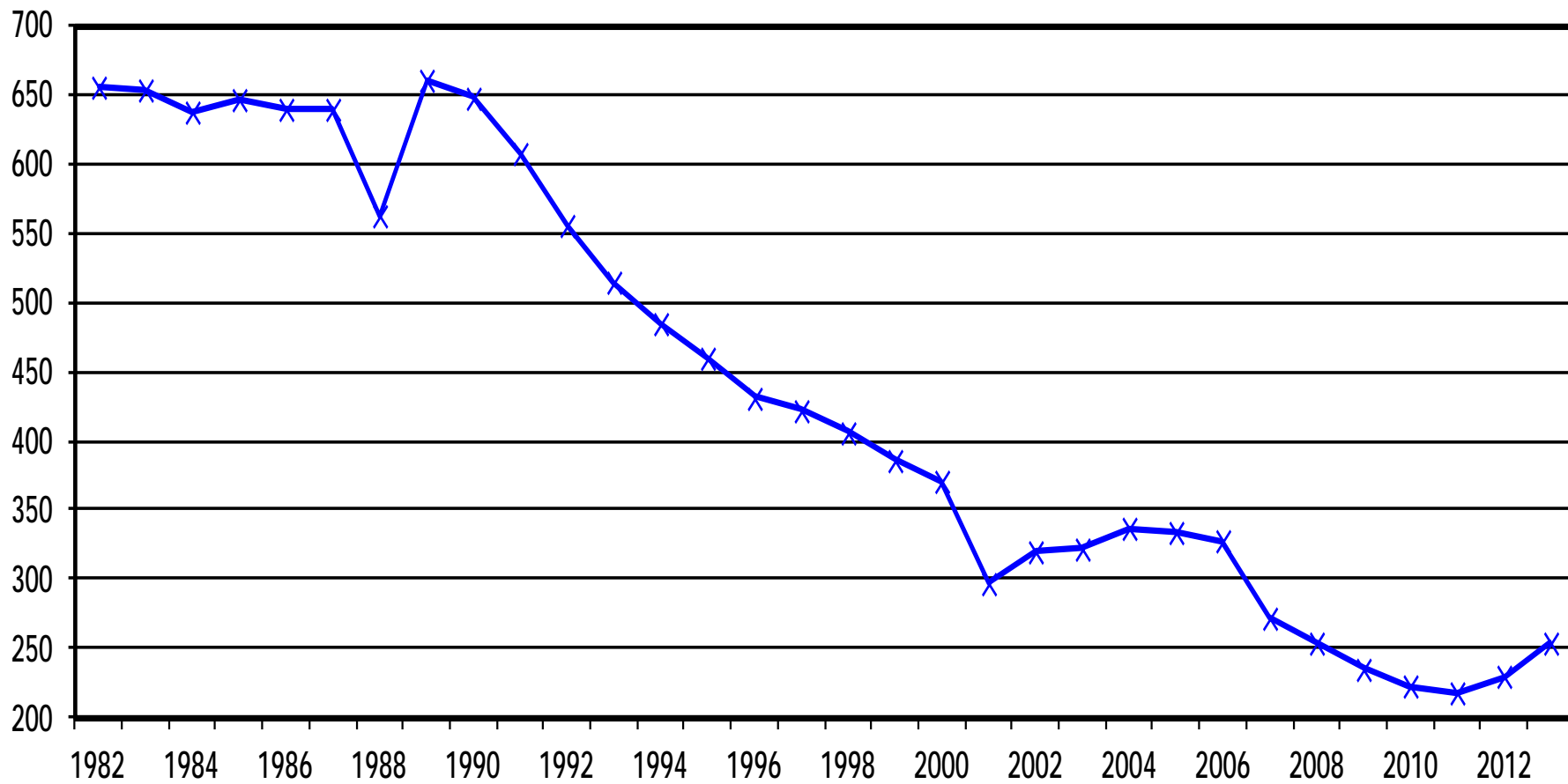


The oil / oil products listed above account for 88 % of all oil / oil product releases within Region 6 since 2009



The materials listed above account for 69 % of all other material releases within Region 6 since 2009





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