



- **CALL TO ORDER at 2:30 p.m. at the Fort Bend County OEM**
- **APPROVAL OF MINUTES – October 20, 2016**

TREASURER'S REPORT - A summary of account balances is as follows:

Previous SHARE balance: \$6,310.30

| <u>Date</u> | <u>Description</u> | <u>Amount</u> | <u>Balance:</u> |
|-------------|-----------------------|---------------|-----------------|
| 09/30/2016 | SHARE balance | | \$6,310.30 |
| 10/10/2016 | Transfer to checking | -\$100.00 | \$6,210.30 |
| 10/10/2016 | Transfer to checking | -\$500.00 | \$5,710.30 |
| 10/31/2016 | Current SHARE balance | | \$5,710.30 |

Previous CHECKING balance: \$212.96

| <u>Date</u> | <u>Description</u> | <u>Amount</u> | <u>Balance:</u> |
|-------------|-----------------------------|---------------|-----------------|
| 09/29/2016 | Checking balance | | \$212.96 |
| 10/3/2016 | Check #1818 | -\$113.64 | \$99.32 |
| 10/10/2016 | Transfer from SHARE account | \$100.00 | \$199.32 |
| 10/10/2016 | Transfer from SHARE account | \$500.00 | \$699.32 |
| 10/11/2016 | ACH to GoDaddy.com | -\$122.38 | \$576.94 |
| 10/31/2016 | Current checking balance | | \$576.94 |

- **COMMITTEE REPORTS**
 1. **Public Education**
Nathan Green/Committee Member

 2. **Administrative Finance**
Bob Gaffney/Committee Member



FORT BEND COUNTY L.E.P.C.
AGENDA
November 17, 2016

3. Emergency Response
Alan Spears/Committee Member

4. Hazardous Materials
Mike Hafer & Ray Burciaga/Committee Members

• **OLD BUSINESS**

Status Update on Rosenberg Hazmat Incident (8/2016)

FBC LEPC Photos

- Pick Up or Take Remaining Individual Photos for ID Badges - See Alan Spears after meeting.

Membership Update / Call Lists from 9/15/16 FBC LEPC Meeting

Renewal of Domain name (GoDaddy.com)

FBC LEPC Debit Card / p-Card Update

Status Update on FOIA Request

- **NEW BUSINESS**

Region 6 LEPC Update (November 2016) – See Attached

EPA Region 6 Accidental Release Notification Information (2012 – 2016) – See Attached

- **ANNOUNCEMENTS**

Texas Emergency Management Conference

DATE: Tuesday, May 16 – Friday, May 19, 2017

LOCATION: Henry B. Gonzalez Convention Center - San Antonio, Texas

TDEM – Hazmat Classes:

<https://www.preparingtexas.org/TrainingCatalog.aspx?filter=a2499c91-a7a2-424f-ba70-907cd1f1cb33>

17th Annual Hotzone Conference

DATE: Thursday, October 19 – Sunday, October 22, 2017

LOCATION: Crowne Plaza Hotel - Houston, Texas

www.hotzone.org

- **NEXT MEETING DATE** – January 19, 2017 at 2:30 pm
[Reminder: No meeting will be held in December.]

- **ADJOURNMENT**

*There is no time more fitting to say "Thank You" and to wish you all a
Happy Holiday Season & a prosperous New Year!*



| | | |
|-------------------------------------|---|---|
| Volume 29 No. 4 November 2016 | <h2 style="margin: 0;">Region 6 LEPC Update</h2> <p style="margin: 0;">Steve Mason, EPA Region 6 mason.steve@epa.gov</p> <p style="margin: 0;">Hilary Gafford, Weston Solutions hilary.gafford@westonsolutions.com</p> |  |
|-------------------------------------|---|---|

This month we bring you a new and exciting product for Region 6, the 2016 Region 6 Accidental Release Report, LGR success stories, and recaps of the 2016 LEPC Workshop tour and the HOTZONE conference, and updates on Interagency Operational Plans.

-Steve and Hilary

So You Have Heard of CAMEO, ALOHA, and/or MARPLOT...

... but just not too sure what they are, or if they will assist you in your work at your company or jurisdiction.

Well Region 6 EPA has developed a new product to help you make that decision.

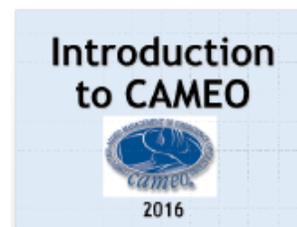
CAMEO Orientation is a presentation that will walk you through all the elements of the CAMEO Software Suite, including:

- The History of CAMEO
- What CAMEO Includes
- How You Can Use CAMEO
- Compatible Programs
- What Each Component Can Do – MARPLOT
- How to Get CAMEO Suite Software and Support
- Who Uses CAMEO
- What Each Component Can Do – CAMEO Chemicals
- What Each Component Can Do – CAMEOfm
- What Each Component Can Do – ALOHA

To access this presentation to learn more about CAMEO and its ability to help you manage your programs, go to:

www.epaossc.org/region6lepcs

Click on the Documents tab at the top of the screen, and then click on the CAMEO Orientation tab on the left side of the screen.





EPA Region 6 ACCIDENTAL RELEASE REPORT 2016

*To view the Region 6 Accidental Release Report for 2016, please review the separate attached file titled "ANNUAL ACCIDENTAL RELEASE REPORT – 2016", or email a document request to mason.steve@epa.gov.

Success Stories | Local Government Reimbursement

EPA's Local Governments Reimbursement Program (LGR) enables local governments to recoup costs spent in emergency response to hazardous substances. The program allows locals to apply to up to \$25,000 worth of reimbursement per incident, enabling local governments that do not have funds available to pay for hazmat response actions.

| | |
|-----------------------|--|
| Livingston Parish, LA | Awarded \$6,950 for costs incurred while responding to multiple drug labs between October 23 rd , 2015 – June 2 nd 2016. |
| Terrebonne Parish, LA | Awarded \$8,786.18 for costs incurred while responding to an abandoned hazardous substance. |
| City of Athens, TX | Awarded \$19, 488 for costs incurred while responding to a hazmat fire. |

Application for reimbursement through the LGR Program is relatively quick and simple, and is available to all local communities. For information on how to apply, visit <https://www.epa.gov/emergency-response/local-governments-reimbursement-program>

LEPC Region 6 Workshop Tour 2016



The 2016 EPA Region 6 LEPC Workshop Tour came to a close this past October. EPA, OSHA, DHS, and state representatives collaborated to present 32 workshops between May and October 2016. A big “Thank You” to all of the state and local officials who coordinated to

host the workshops, and to the 1,480+ representatives of local, state, federal government, and industry representatives who came and shared their valuable input and perspectives. Approximately 292 of 519 LEPC’s within Region 6 were represented at the workshops - **that’s 56% of the LEPCs in our region!**



| NM | OK | TX | AR | LA |
|---------------------------|---------------------------|-----------------------------|---------------------------|---------------------------|
| 18 / 33 LEPCs Represented | 67 / 77 LEPCs Represented | 122 / 270 LEPCs Represented | 34 / 75 LEPCs Represented | 51 / 64 LEPCs Represented |

The presentations used during the workshops are posted at:
www.epaosc.org/lepcworkshops

| <u>WORKSHOP AGENDA</u> | <u>WORKSHOP ORGANIZERS AND PRESENTERS</u> |
|--|---|
| <ul style="list-style-type: none"> EPCRA – 30 Year Anniversary Local Government Reimbursement Program Using Poison Control Centers during an Incident DHS – Chemical Safety Programs for your Facility Don’t Forget the Other Groups for Your LEPC Gee, Where Do You Think That Release is Going? OSHA – Worker Safety During a Disaster State Programs / Issues Revisions to EPCRA / RCRA / RMP / SPCC as they relate to LEPCs Questions / Closeout | <ul style="list-style-type: none"> Arkansas Department of Emergency Management (ADEM) Louisiana State Police (LSP) / Governor’s Office of Homeland Security and Emergency Preparedness (GOHSEP) New Mexico Department of Homeland Security and Emergency Management (NMDHSEM) Oklahoma Department of Environmental Quality (ODEQ) / Oklahoma Emergency Management (OEM) Texas Commission on Environmental Quality (TCEQ) U.S. Department of Homeland Security (DHS) Region 6 U.S. Department of Labor / Occupational Safety and Health Administration (DOL/OSHA) Region 6 U.S. Environmental Protection Agency (EPA) Region 6 |

Thank you to all those who emailed Steve Mason with feedback and positive comments. EPA Region 6 was able to share *over 200* comments in the final report to EPA headquarters. This is how EPA Region 6 is able to show headquarters the value of conducting these LEPC workshops.



17th Annual HOTZONE Conference

Local, state, and federal partners put together another great conference in 2016. The HOTZONE Conference, held each October in Houston, TX, offers training to attendees on hazmat response and planning. Nationally acclaimed speakers provide over 60 workshops on a wide variety of topics including chemical-specific response, hazmat chemistry, PPE selection, monitoring and detection equipment, mitigation, ICS, and CAMEO. HOTZONE also continues to host an LEPC-specific track of workshops. Over 500 people attended the conference, many on scholarships provided by HOTZONE. To view information about HOTOZNE, including future conference dates, visit www.hotzone.org.

UPDATE Federal Interagency Operational Plans

FEMA has released updated Federal Interagency Operational Plans (FIOP) for three of the five mission areas outlined in the National Preparedness Goal: Mitigation, Response, and Recovery.

- FEMA is hosting a series of 60-minute informational webinars with interested stakeholders to discuss the updates to the FIOPs. These webinars look to provide information regarding changes and updates as well as to answer questions related to the FIOPs.
- Advanced registration is required due to space limitations. Registration is on a first come, first serve basis.

To download the FIOPs, register for a webinar, or for more information on national preparedness efforts visit:

<http://www.fema.gov/national-preparedness>.

State EPCRA / LEPC Coordinators and SERC Contacts

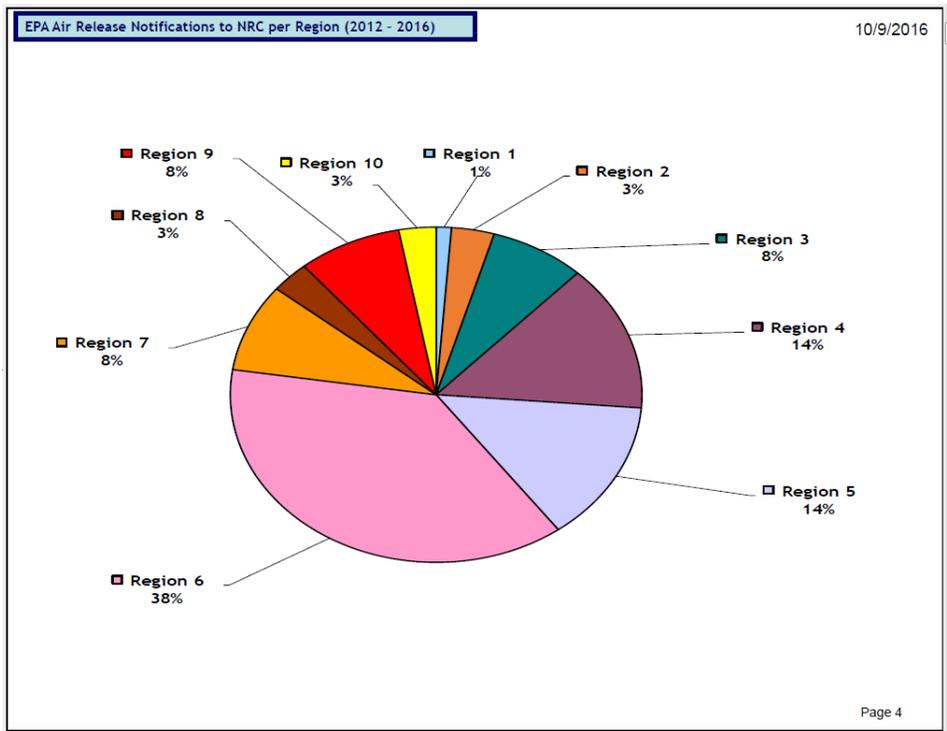
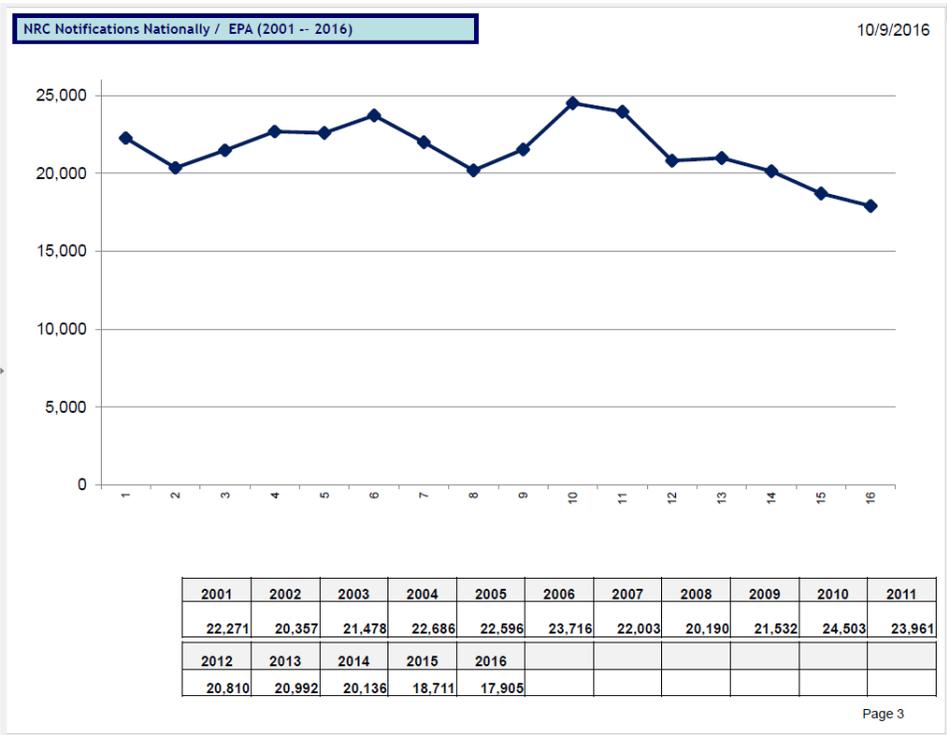
| | | | |
|------------|----------------------|--------------|--|
| Arkansas | Kenny Harmon | 501-683-6700 | kenny.harmon@adem.arkansas.gov |
| Louisiana | Gene Dunegan | 225-925-6113 | gene.dunegan@dps.la.gov |
| New Mexico | Henry Jolly | 505-476-6240 | henry.jolly@state.nm.us |
| Oklahoma | Tom Bergman | 405-702-1013 | tom.bergman@deq.ok.gov |
| | Bonnie McKelvey | 405-521-2481 | bonnie.mckelvey@oem.ok.gov |
| Texas | Bernardine Zimmerman | 800-452-2791 | Bernardine.zimmerman@tceq.texas.gov |
| | Joshua Bryant | 512-424-5989 | Joshua.Bryant@dps.texas.gov |

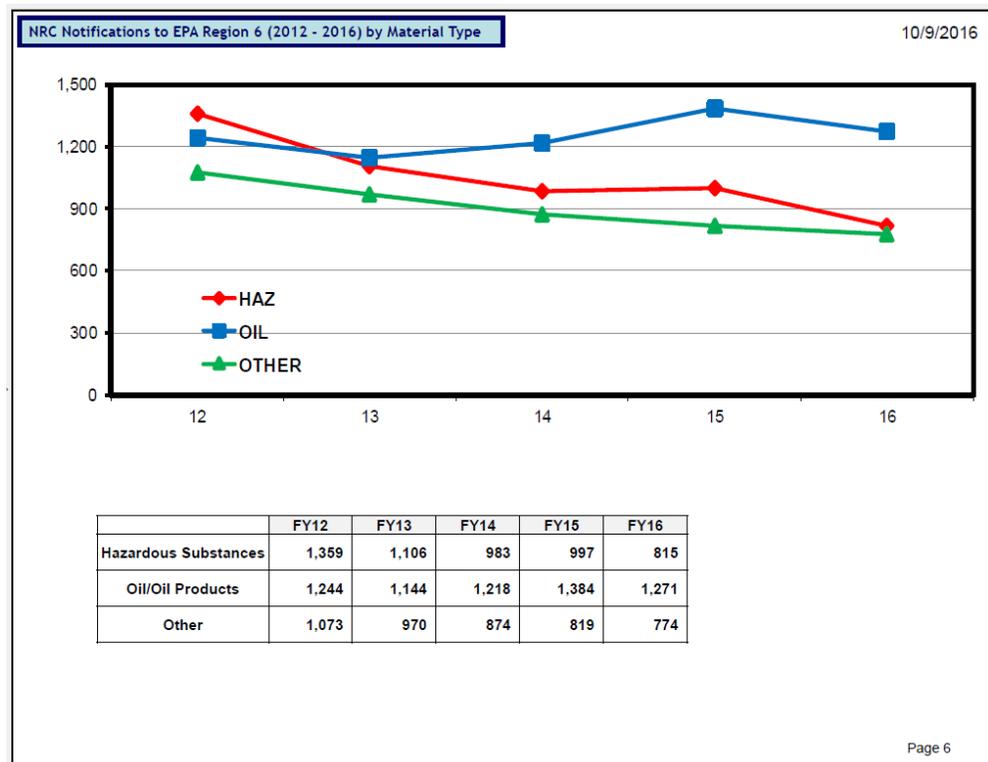
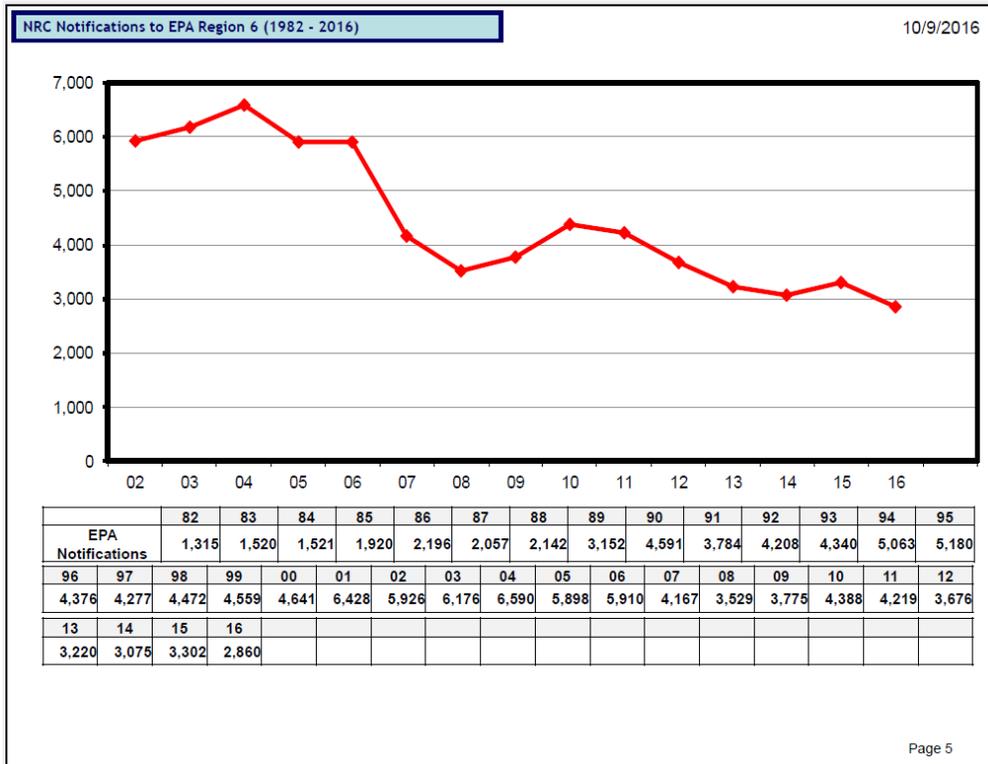
Emergency Response Numbers

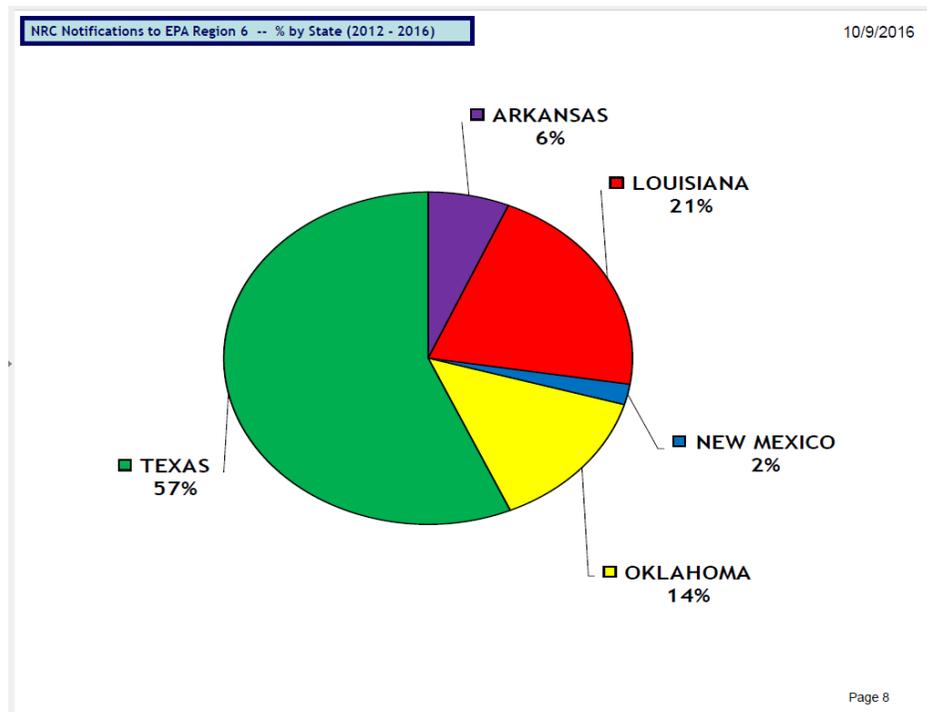
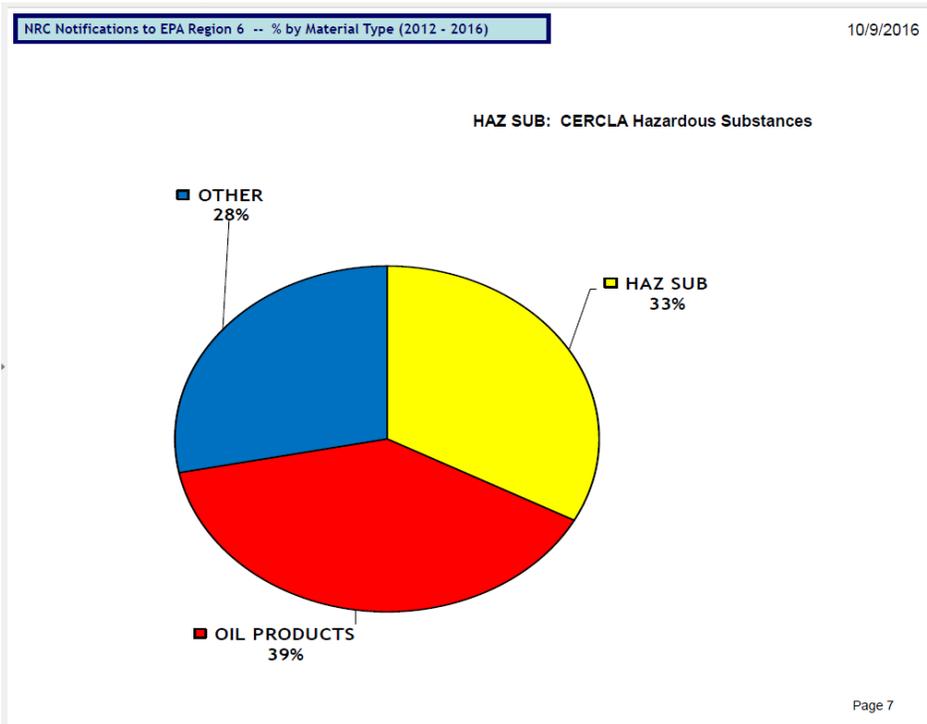
| | |
|---|--------------|
| Arkansas Dept. of Emergency Management | 800-322-4012 |
| Louisiana State Police | 877-925-6595 |
| New Mexico State Police | 505-827-9126 |
| Oklahoma Dept. of Environmental Quality | 800-522-0206 |
| Texas Environmental Hotline | 800-832-8224 |
| National Response Center | 800-424-8802 |
| EPA Region 6 | 866-372-7745 |
| CHEMTREC | 800-424-9300 |

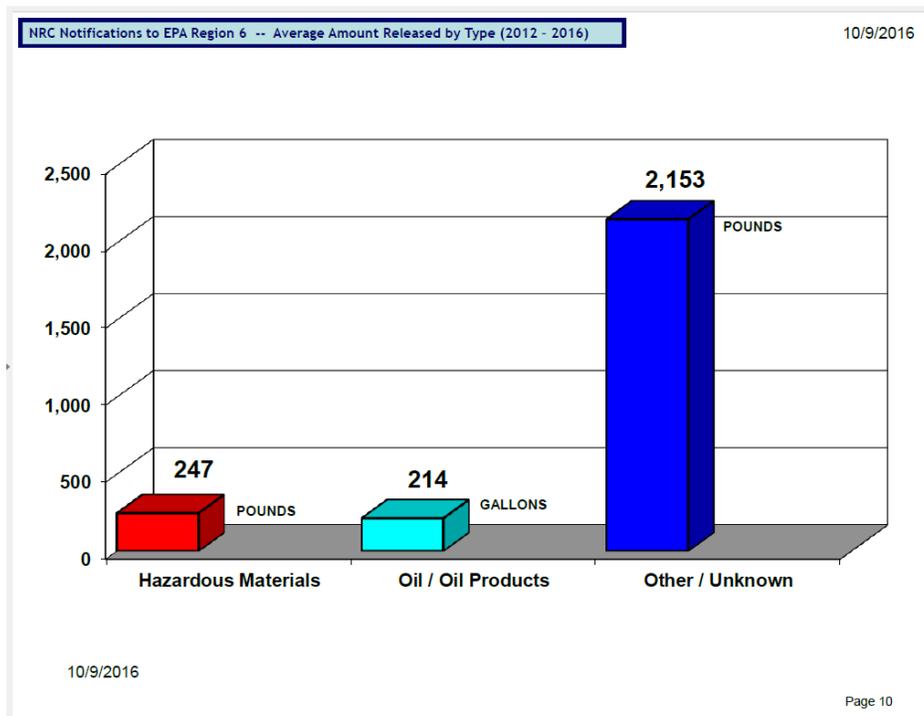
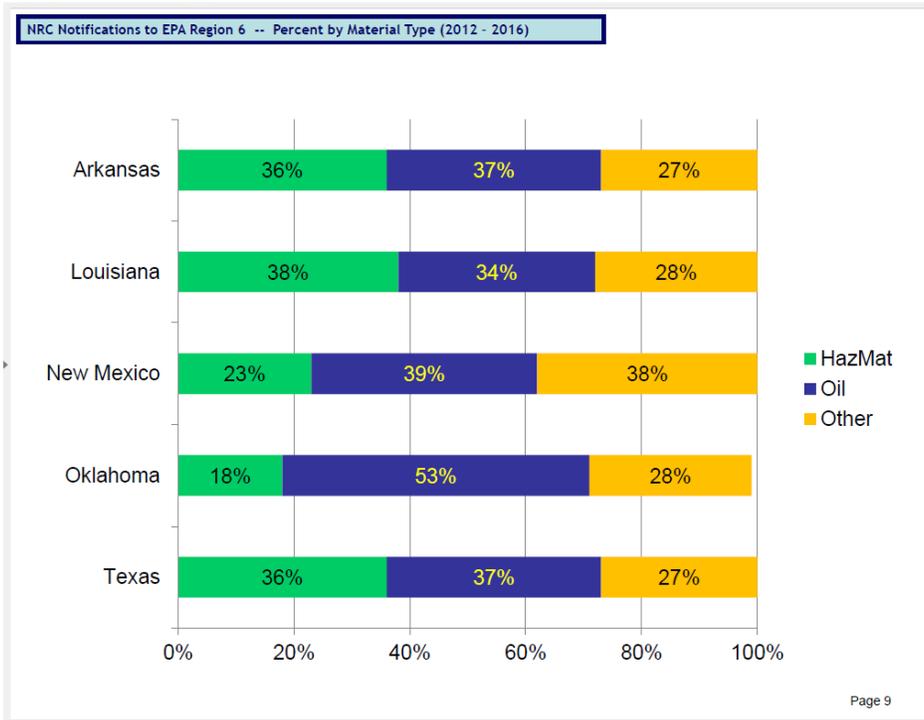


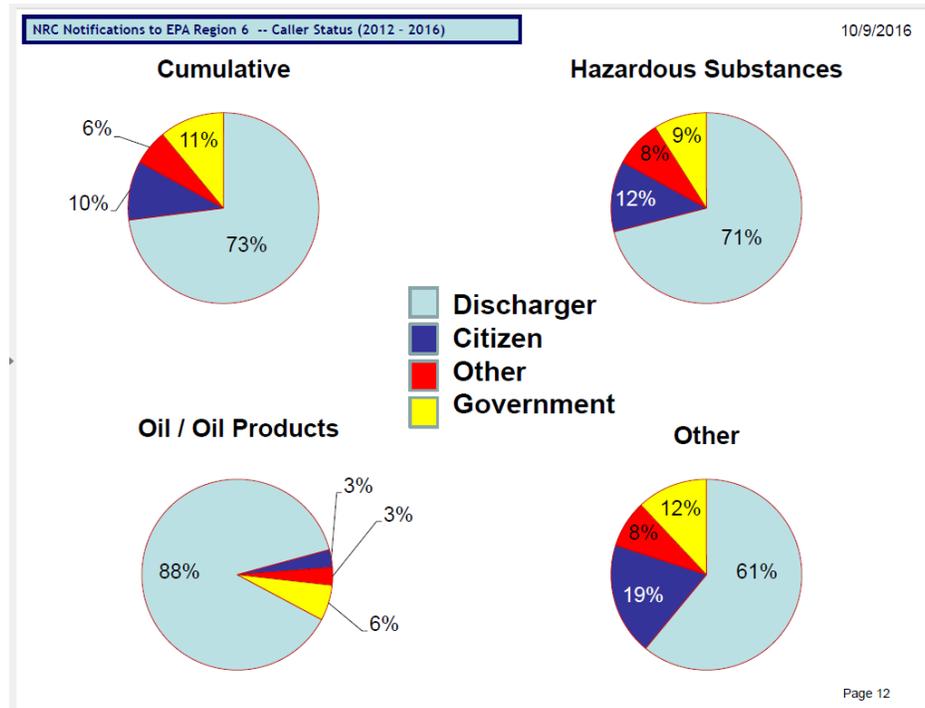
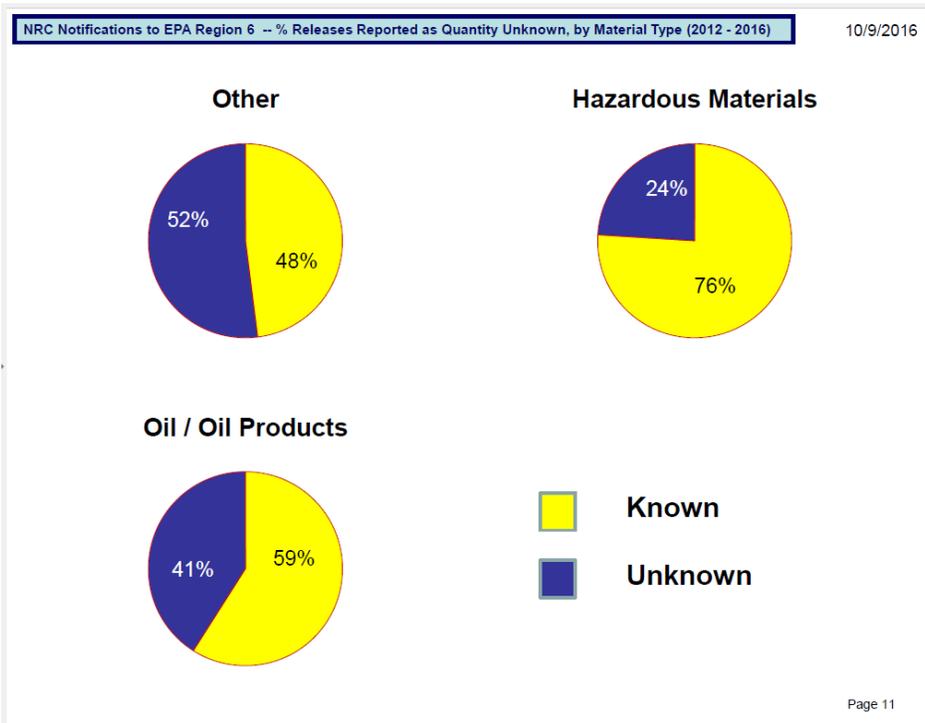
- The articles herein are provided for general purposes only.
- EPA does not accept responsibility for any errors or omissions or results of any actions based upon this information.
- Please consult the applicable regulations when determining compliance.
- Mention of trade names, products, or services does not convey, and should not be interpreted as conveying official EPA approval, endorsement, or recommendation.

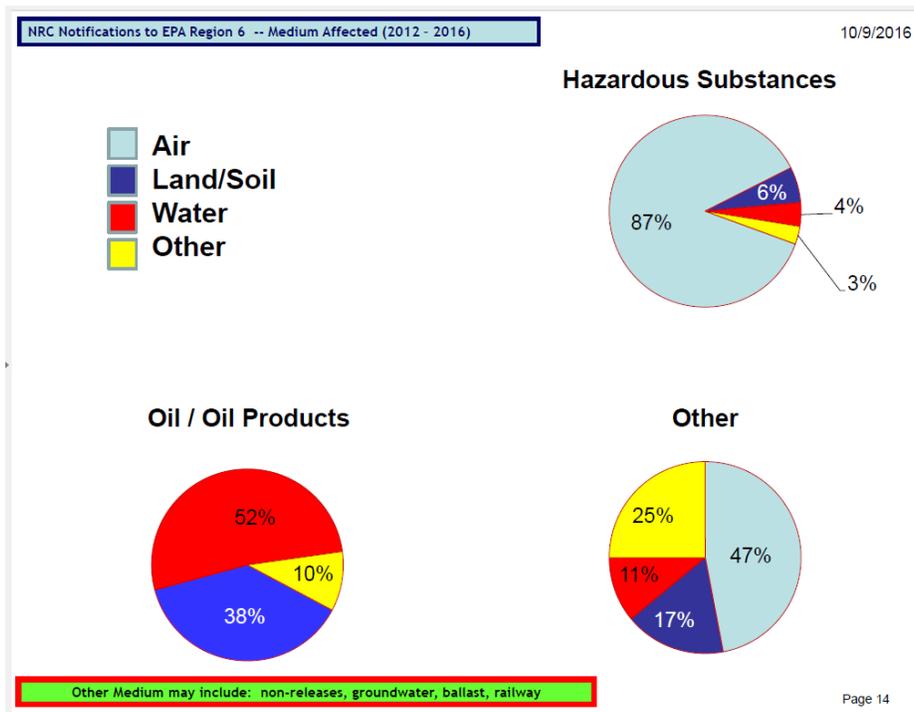
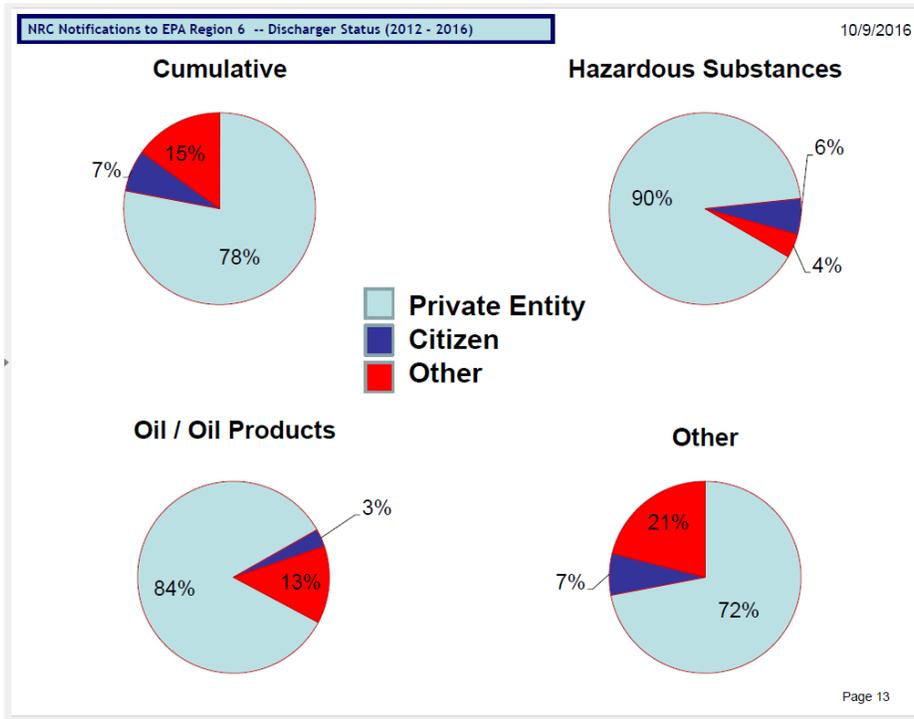








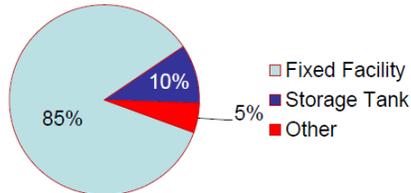




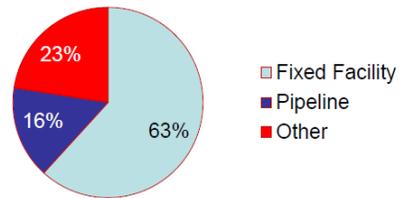
NRC Notifications to EPA Region 6 -- Source of Release (2012 - 2016)

10/9/2016

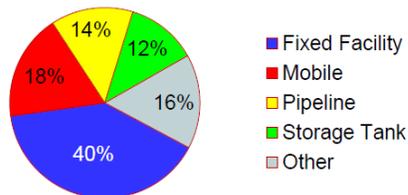
Hazardous Substances



Other



Oil / Oil Products

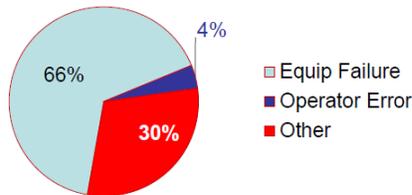


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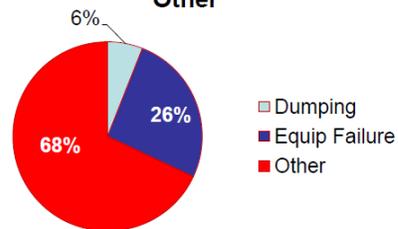
NRC Notifications to EPA Region 6 -- Cause of Release (2012 - 2016)

10/9/2016

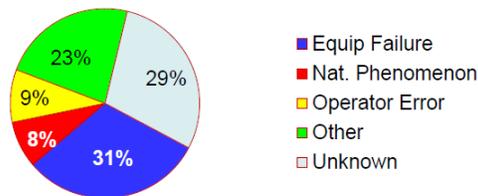
Hazardous Substances



Other



Oil / Oil Products



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Factoid

10/9/2016

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)

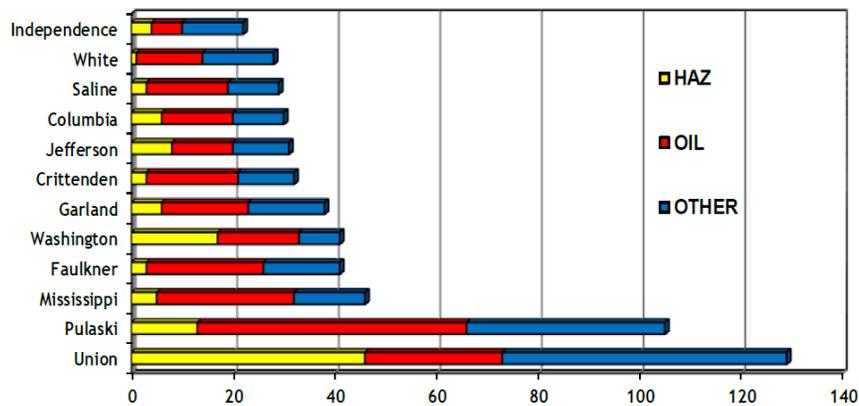
Deaths, injuries, and evacuations may not be directly due to exposure, but as a consequence of the accident resulting in the release

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

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NRC Notifications to EPA Region 6 -- Top Counties : Arkansas (2012 - 2016)

10/9/2016



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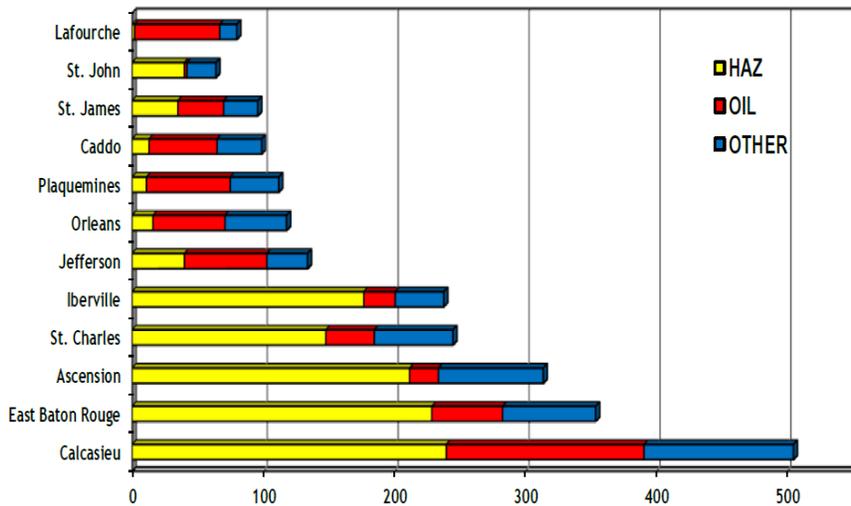
| COUNTY | HAZ SUB | OIL/OIL PROD | OTHER MAT | TOTAL |
|--------------|---------|--------------|-----------|-------|
| ASHLEY | 7 | | | 7 |
| BAXTER | 1 | 1 | | 2 |
| BENTON | 5 | 7 | 9 | 21 |
| BOONE | | 2 | 3 | 5 |
| BRADLEY | | 2 | 1 | 3 |
| CALHOUNE | | | 2 | 2 |
| CARROLL | 9 | 1 | 1 | 11 |
| CLARK | | 4 | 2 | 6 |
| CLAY | | | 1 | 1 |
| CLEBURNE | | 1 | 3 | 4 |
| CLEVELAND | | 1 | 3 | 4 |
| COLUMBIA | 6 | 14 | 10 | 30 |
| CONWAY | | 8 | 5 | 13 |
| CRAIGHEAD | 2 | 6 | 8 | 16 |
| CRAWFORD | 4 | 6 | 8 | 18 |
| CRITTENDEN | 3 | 18 | 11 | 32 |
| CROSS | | 2 | 4 | 6 |
| DESHA | 1 | 3 | 3 | 7 |
| DREW | | 1 | | 1 |
| FAULKNER | 3 | 23 | 15 | 41 |
| FRANKLIN | 1 | 3 | | 4 |
| FULTON | | 1 | 2 | 3 |
| GARLAND | 6 | 17 | 15 | 38 |
| GRANT | 1 | 3 | | 4 |
| GREENE | 1 | 7 | 2 | 10 |
| HEMPSTEAD | 6 | 5 | 2 | 13 |
| HOT SPRING | 2 | 6 | 6 | 14 |
| HOWARD | 3 | 2 | | 5 |
| INDEPENDENCE | 4 | 6 | 12 | 22 |
| IZARD | | 1 | | 1 |
| JACKSON | 1 | 4 | 6 | 11 |
| JEFFERSON | 8 | 12 | 11 | 31 |
| JOHNSON | 4 | 3 | 1 | 8 |
| LAFAYETTE | | 4 | 3 | 7 |

| COUNTY | HAZ SUB | OIL/OIL PROD | OTHER MAT | TOTAL |
|--------------|---------|--------------|-----------|-------|
| LAWRENCE | 1 | 2 | 3 | 6 |
| LEE | | 1 | 2 | 3 |
| LITTLE RIVER | 1 | 4 | 8 | 13 |
| LOGAN | | 2 | 2 | 4 |
| LONOKE | | 7 | 8 | 15 |
| MADISON | 2 | | 3 | 5 |
| MARION | | 1 | 4 | 5 |
| MILLER | 1 | 7 | 8 | 16 |
| MISSISSIPPI | 5 | 27 | 14 | 46 |
| MONROE | | 4 | 1 | 4 |
| NEVADA | | 4 | 1 | 5 |
| NEWTON | | 2 | 1 | 3 |
| OUACHITA | | 11 | 2 | 13 |
| PERRY | | 1 | 1 | 2 |
| PHILLIPS | 1 | 2 | 5 | 8 |
| PIKE | | 3 | 3 | 6 |
| POINSETT | 1 | 4 | 8 | 13 |
| POLK | 5 | 4 | 3 | 12 |
| POPE | 10 | 7 | 5 | 22 |
| PRAIRIE | | 4 | 1 | 5 |
| PULASKI | 13 | 53 | 39 | 105 |
| RANDOLPH | | 2 | | 2 |
| SALINE | 3 | 16 | 10 | 29 |
| SCOTT | 4 | 1 | 3 | 8 |
| SEARCY | | 1 | 1 | 2 |
| SEBASTIAN | 1 | 10 | 9 | 20 |
| SEVEIR | 1 | 3 | 4 | 8 |
| ST. FRANCIS | | 3 | 7 | 10 |
| STONE | 1 | 1 | 1 | 3 |
| UNION | 46 | 27 | 56 | 129 |
| WASHINGTON | 17 | 16 | 8 | 41 |
| WHITE | 1 | 13 | 14 | 28 |
| WOODRUFF | | 2 | 1 | 3 |
| YELL | 6 | | 4 | 10 |

10/9/2016

NRC Notifications to EPA Region 6 -- Top Parishes : Louisiana (2012 - 2016)

10/9/2016



| COUNTY | HAZ SUB | OIL/OIL PROD | OTHER MAT | TOTAL |
|-----------------|---------|--------------|-----------|-------|
| ACADIA | 4 | 13 | 8 | 25 |
| ALLEN | | 4 | 5 | 9 |
| ASCENSION | 212 | 22 | 80 | 314 |
| ASSUMPTION | 1 | 13 | 13 | 27 |
| AVOYELLES | 2 | 6 | 3 | 11 |
| BEAUREGARD | 1 | 8 | 8 | 17 |
| BIENVILLE | 1 | 3 | 15 | 19 |
| BOSSIER | 1 | 20 | 10 | 31 |
| CADDO | 13 | 52 | 24 | 99 |
| CALCASIEU | 240 | 151 | 114 | 505 |
| CALDWELL | | | 1 | 1 |
| CAMERON | 1 | 24 | 11 | 36 |
| CATAHOULA | 1 | 3 | | 4 |
| CLAIBORNE | 2 | 8 | 5 | 15 |
| CONCORDIA | | 4 | 2 | 6 |
| DE SOTO | 4 | 10 | 8 | 22 |
| E. BATON ROUGE | 229 | 54 | 71 | 354 |
| E. CARROLL | | 2 | 1 | 3 |
| E. FELICIANA | | 5 | 2 | 7 |
| EVANGELINE | 1 | 6 | 6 | 13 |
| FRANKLIN | | 2 | 1 | 3 |
| GRANT | | 1 | 1 | 2 |
| IBERIA | 5 | 28 | 13 | 46 |
| IBERVILLE | 177 | 24 | 37 | 238 |
| JACKSON | 1 | | 2 | 3 |
| JEFFERSON | 40 | 63 | 31 | 134 |
| JEFFERSON DAVIS | 2 | 14 | 13 | 29 |
| LA SALLE | | 4 | 5 | 9 |
| LAFAYETTE | 4 | 15 | 18 | 37 |
| LAFOURCHE | 2 | 65 | 13 | 80 |
| LINCOLN | | 3 | 11 | 14 |
| LIVINGSTON | | 8 | 11 | 19 |

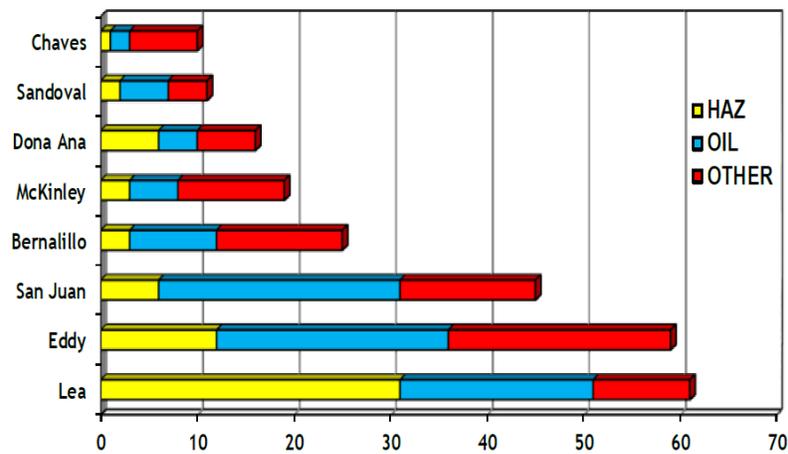
| COUNTY | HAZ SUB | OIL/OIL PROD | OTHER MAT | TOTAL |
|----------------------|---------|--------------|-----------|-------|
| MADISON | 1 | 7 | 18 | 26 |
| MOREHOUSE | | 3 | 7 | 10 |
| NATCHITOCHES | 4 | 1 | 5 | 10 |
| ORLEANS | 16 | 55 | 47 | 118 |
| OUACHITA | 10 | 23 | 12 | 45 |
| PLAQUEMINES | 11 | 64 | 37 | 112 |
| POINTE COUPEE | 1 | 8 | 6 | 15 |
| RAPIDES | 6 | 11 | 16 | 33 |
| RED RIVER | 18 | 2 | 2 | 22 |
| RICHLAND | 1 | 2 | 2 | 5 |
| SABINE | | 6 | 1 | 7 |
| ST. BERNARD | 22 | 14 | 11 | 47 |
| ST. CHARLES | 148 | 37 | 60 | 245 |
| ST. HELENA | | 6 | 3 | 9 |
| ST. JAMES | 35 | 35 | 26 | 96 |
| ST. JOHN THE BAPTIST | 40 | 29 | 22 | 91 |
| ST. LANDRY | 4 | 11 | 17 | 32 |
| ST. MARTIN | 1 | 17 | 12 | 30 |
| ST. MARY | 1 | 5 | 1 | 7 |
| ST. TAMMANY | 5 | 49 | 16 | 70 |
| TANGIPAHOA | 12 | 19 | 14 | 45 |
| TENSAS | 5 | 35 | 5 | 45 |
| UNION | | 1 | 2 | 3 |
| VERMILION | | 12 | 9 | 21 |
| VERNON | | 1 | 2 | 3 |
| W. BATON ROUGE | 7 | 22 | 22 | 51 |
| W. CARROLL | 1 | 1 | 2 | 4 |
| W. FELICIANA | 2 | 2 | | 4 |
| WASHINGTON | 2 | 2 | 2 | 6 |
| WEBSTER | 2 | 2 | 8 | 12 |
| WINN | | 2 | 2 | 4 |

10/9/2016

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NRC Notifications to EPA Region 6 -- Top Counties : New Mexico (2012 - 2016)

10/9/2016



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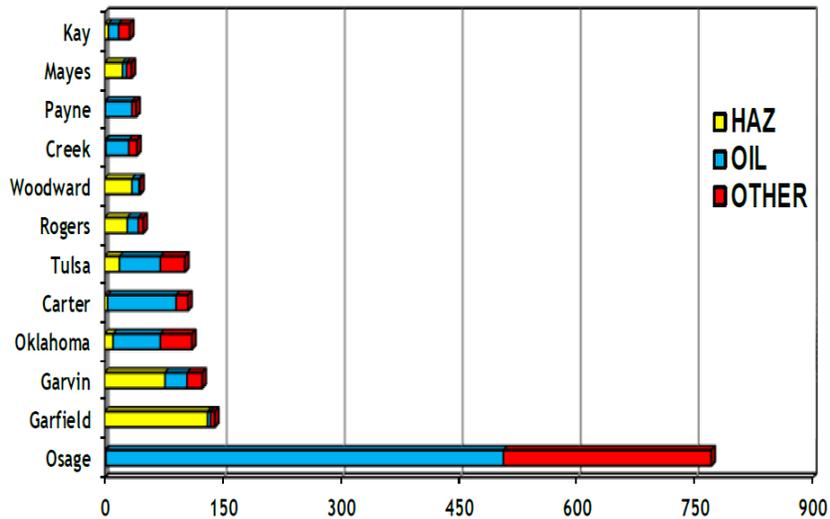
| COUNTY | HAZ SUB | OIL/OIL PROD | OTHER MAT | TOTAL |
|------------|---------|--------------|-----------|-------|
| BERNALILLO | 3 | 9 | 13 | 25 |
| CHAVES | 1 | 2 | 7 | 10 |
| CIBOLA | 1 | 2 | 3 | 6 |
| CURRY | 1 | 4 | | 5 |
| DONA ANA | 6 | 4 | 6 | 16 |
| EDDY | 12 | 24 | 23 | 59 |
| SRANT | 2 | 1 | 2 | 5 |
| GUADALUPE | | | 3 | 3 |
| HIDALGO | | 2 | 1 | 3 |
| LEA | 31 | 20 | 10 | 61 |
| LINCOLN | 2 | 1 | 1 | 3 |
| LUNA | 2 | 1 | 1 | 3 |
| MCKINLEY | 3 | 5 | 11 | 19 |

| COUNTY | HAZ SUB | OIL/OIL PROD | OTHER MAT | TOTAL |
|------------|---------|--------------|-----------|-------|
| OTERO | | 1 | 1 | 2 |
| QUAY | | 1 | 1 | 2 |
| RIO ARRIBA | 1 | 5 | 2 | 8 |
| ROOSEVELT | | | 1 | 1 |
| SAN JUAN | 6 | 25 | 14 | 45 |
| SAN MIGUEL | 1 | 1 | | 2 |
| SANDOVAL | 2 | 5 | 4 | 11 |
| SANTA FE | 1 | 1 | 5 | 7 |
| SIERRA | | 1 | | 1 |
| SOCORRO | 1 | 2 | 2 | 5 |
| TORRANCE | 1 | 3 | 5 | 9 |
| UNION | | | 1 | 1 |
| VALENCIA | | 2 | 2 | 4 |

10/9/2016

NRC Notifications to EPA Region 6 -- Top Counties : Oklahoma (2012-2016)

10/9/2016



| COUNTY | HAZ SUB | OIL/OIL PROD | OTHER MAT | TOTAL |
|------------|---------|--------------|-----------|-------|
| ADAIR | 2 | 3 | 3 | 8 |
| ALFALFA | 4 | 5 | | 9 |
| ATOKA | | | 1 | 1 |
| BEAVER | 3 | 5 | 5 | 13 |
| BECKHAM | 2 | 2 | 7 | 11 |
| BLAINE | | 4 | 3 | 7 |
| BRYAN | | 12 | 7 | 19 |
| CADDO | 1 | 5 | 7 | 13 |
| CANADIAN | 4 | 15 | 5 | 24 |
| CARTER | 4 | 87 | 15 | 106 |
| CHEROKEE | | 6 | 2 | 8 |
| CHOCTAW | 1 | 1 | 3 | 5 |
| CLEVELAND | 1 | 11 | 4 | 16 |
| COAL | | | 2 | 2 |
| COMANCHE | | 1 | 5 | 6 |
| COTTON | | | 1 | 1 |
| CRAIG | 4 | 1 | 3 | 8 |
| CREEK | 2 | 29 | 10 | 41 |
| CUSTER | | 4 | 3 | 7 |
| DELAWARE | 2 | 9 | 3 | 14 |
| DEWEY | | 1 | | 1 |
| ELLIS | | 7 | 2 | 9 |
| GARFIELD | 131 | 4 | 5 | 140 |
| GARVIN | 77 | 28 | 19 | 124 |
| GRADY | 5 | 13 | 9 | 27 |
| GRANT | 2 | 8 | 5 | 15 |
| GREER | | 1 | | 1 |
| HARMON | 1 | | | 1 |
| HARPER | | 2 | 1 | 3 |
| HASKELL | | 2 | 1 | 3 |
| HUGHES | 1 | 12 | 7 | 20 |
| JACKSON | 2 | | 1 | 3 |
| JEFFERSON | | 3 | 2 | 5 |
| JOHNSTON | 1 | 4 | 6 | 11 |
| KAY | 5 | 13 | 14 | 32 |
| KINGFISHER | 4 | 6 | 5 | 15 |
| KIOWA | | 3 | 1 | 4 |
| LATIMER | | 1 | 3 | 4 |

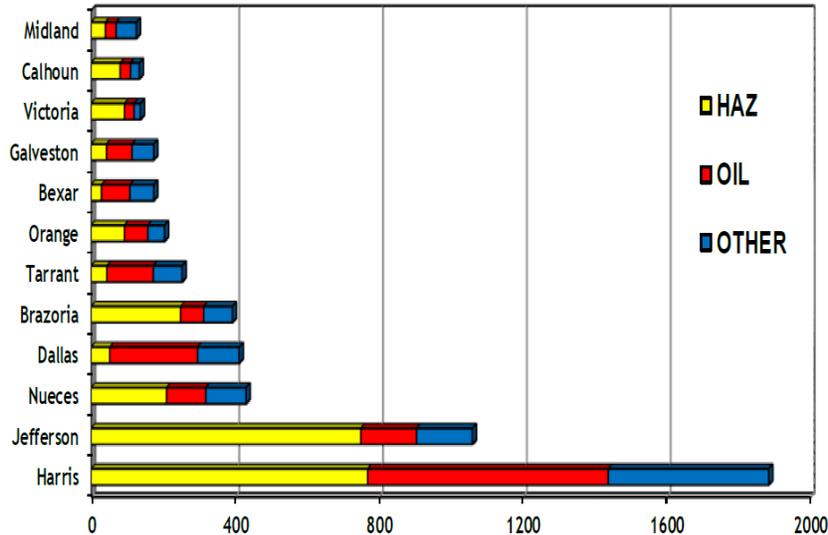
10/9/2016

| COUNTY | HAZ SUB | OIL/OIL PROD | OTHER MAT | TOTAL |
|--------------|---------|--------------|-----------|-------|
| LE FLORE | | 4 | 5 | 9 |
| LINCOLN | 2 | 13 | 5 | 20 |
| LOGAN | | 14 | 5 | 19 |
| LOVE | | 8 | 1 | 9 |
| MAJOR | 1 | 5 | 5 | 11 |
| MARSHALL | | 9 | 2 | 11 |
| MAYES | 23 | 5 | 6 | 34 |
| MCCLAINE | | 1 | 4 | 5 |
| MCCURTAIN | 4 | 3 | 2 | 9 |
| MCINTOSH | | 1 | 2 | 3 |
| MURRAY | | 1 | 2 | 3 |
| MUSKOGEE | | 18 | 6 | 24 |
| NOBLE | 1 | 12 | 10 | 23 |
| NOWATA | | 1 | 2 | 3 |
| OKFUSKEE | | 5 | 3 | 8 |
| OKLAHOMA | 11 | 60 | 40 | 111 |
| OKMULGEE | | 8 | 2 | 10 |
| OSAGE | 2 | 505 | 264 | 771 |
| OTTAWA | 1 | | 1 | 2 |
| PAWNEE | | 6 | 1 | 7 |
| PAYNE | 1 | 34 | 5 | 40 |
| PITTSBURG | 2 | 9 | 7 | 18 |
| PONTOTOC | | 13 | 5 | 18 |
| POTTAWATOMIE | 4 | 6 | 4 | 14 |
| PUSHMATAHA | | 3 | 1 | 4 |
| ROGER MILLS | 1 | 5 | | 6 |
| ROGERS | 29 | 14 | 6 | 49 |
| SEMINOLE | | 15 | 4 | 19 |
| SEQUOYAH | | 3 | 2 | 5 |
| STEPHENS | 1 | 16 | 2 | 19 |
| TEXAS | 9 | 2 | 4 | 15 |
| TULSA | 19 | 52 | 31 | 102 |
| WAGONER | | 3 | 6 | 9 |
| WASHINGTON | 1 | 8 | 1 | 10 |
| WASHITA | 1 | 2 | 3 | 6 |
| WOODS | 2 | 4 | 4 | 10 |
| WOODWARD | 35 | 9 | 1 | 45 |

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NRC Notifications to EPA Region 6 -- Top Counties : Texas (2012 - 2016)

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| COUNTY | HAZ | SUB | OIL PROD | OTHER MAT | TOTAL | COUNTY | HAZ | SUB | OIL PROD | OTHER MAT | TOTAL | COUNTY | HAZ | SUB | OIL PROD | OTHER MAT | TOTAL | |
|-----------|-----|-----|----------|-----------|-------|------------|-----|-----|----------|-----------|-------|------------|-------|-----|----------|-----------|-------|----|
| ANDERSON | 9 | | 14 | 5 | 28 | COMAL | 2 | | 13 | 7 | 22 | GRAY | 1 | | 1 | 3 | 5 | |
| ANDREWS | 13 | | 7 | 6 | 26 | COMANCHE | 1 | | | 1 | 2 | GRAYSON | 5 | | 29 | 6 | 40 | |
| ANGELINA | 15 | | 19 | 6 | 40 | CONCHO | | | | | 1 | 1 | GREGG | 4 | | 46 | 14 | 64 |
| ARANSAS | | | 4 | 4 | 8 | COOKE | 1 | | 17 | 5 | 23 | GRIMES | 2 | | 5 | 1 | 8 | |
| ARCHER | | | 14 | 1 | 15 | CORYELL | | | 5 | 3 | 8 | GUADALUPE | 8 | | 28 | 9 | 45 | |
| ATASCOSA | 3 | | 19 | 7 | 29 | CRANE | 1 | | | 2 | 3 | HALE | 5 | | 4 | 6 | 15 | |
| AUSTIN | | | 1 | 2 | 3 | CROCKETT | | | 2 | 2 | 4 | HAMILTON | | | | 1 | 1 | |
| BAILEY | 1 | | | | 1 | CULBERSON | | | 6 | | 6 | HANSFORD | | | 1 | 2 | 3 | |
| BASTROP | | | 8 | 4 | 12 | DALLAM | 1 | | 3 | | 4 | HARDEMAN | | | 2 | 1 | 3 | |
| BAYLOR | 1 | | 3 | | 4 | DALLAS | 52 | | 244 | 116 | 412 | HARDIN | 1 | | 12 | 6 | 19 | |
| BEE | | | | 1 | 1 | DAWSON | | | 1 | 1 | 2 | HARRIS | | | 769 | 669 | 1884 | |
| BELL | 2 | | 18 | 15 | 35 | DE WITT | 2 | | 9 | 5 | 16 | HARRISON | 49 | | 33 | 22 | 104 | |
| BEXAR | 29 | | 79 | 66 | 174 | DEAF SMITH | 4 | | | | 4 | HASKELL | | | | 5 | 5 | |
| BLANCO | | | 1 | 1 | 2 | DELTA | | | 1 | 1 | 1 | HAYS | 2 | | 7 | 8 | 17 | |
| BORDEN | 84 | | 1 | 1 | 86 | DENTON | 6 | | 35 | 21 | 62 | HEMPHILL | 1 | | 2 | 2 | 5 | |
| BOSQUE | 1 | | 2 | 3 | 6 | DIMMIT | 3 | | 9 | 9 | 21 | HENDERSON | 1 | | 8 | 6 | 15 | |
| BOWIE | 2 | | 11 | 11 | 24 | DONLEY | | | 1 | 3 | 4 | HIDALGO | 4 | | 12 | 11 | 27 | |
| BRAZORIA | 249 | | 64 | 80 | 393 | DUVAL | | | 1 | 2 | 3 | HILL | | | 2 | 3 | 5 | |
| BRAZOS | 5 | | 20 | 7 | 32 | EASTLAND | 1 | | 7 | 4 | 12 | HOCKLEY | | | 6 | 3 | 9 | |
| BREWSTER | | | 1 | 1 | 1 | ECTOR | 61 | | 15 | 15 | 91 | HOOD | 2 | | 5 | 4 | 11 | |
| BROOKS | | | 5 | 1 | 6 | EDWARDS | 1 | | 2 | 3 | 3 | HOPKINS | 1 | | 5 | 3 | 9 | |
| BROWN | | | 2 | 3 | 5 | EL PASO | 8 | | 28 | 32 | 68 | HOUSTON | 2 | | 16 | 9 | 27 | |
| BURLESON | 6 | | 7 | 3 | 16 | ELLIS | 25 | | 16 | 22 | 63 | HOWARD | 24 | | 19 | 15 | 58 | |
| BURNET | 2 | | 4 | 2 | 8 | EMAT | | | 1 | 1 | 1 | HUDSPETH | | | 14 | 8 | 22 | |
| CALDWELL | | | 10 | 12 | 22 | FALLS | 1 | | | 1 | 2 | HUNT | | | 1 | 1 | 1 | |
| CALHOUN | 81 | | 29 | 24 | 134 | FANNIN | 2 | | 3 | 6 | 11 | HUTCHINSON | 20 | | 1 | 17 | 38 | |
| CALLAHAN | | | 2 | 3 | 5 | FAYETTE | | | 6 | 4 | 10 | JACK | | | 1 | 4 | 4 | |
| CAMERON | 5 | | 53 | 16 | 74 | FISHER | 1 | | 1 | 2 | 2 | JACKSON | 1 | | 10 | 8 | 19 | |
| CAMP | 6 | | | | 9 | FORT BEND | 10 | | 20 | 21 | 51 | JASPER | | | 6 | 2 | 8 | |
| CARSON | | | 1 | 2 | 3 | FRANKLIN | | | 3 | 3 | 6 | JEFF DAVIS | 1 | | 1 | 1 | 2 | |
| CASS | 2 | | 8 | 3 | 13 | FREESTONE | 4 | | 7 | 1 | 12 | JEFFERSON | 750 | | 155 | 155 | 1060 | |
| CHAMBERS | 19 | | 58 | 27 | 104 | FRIO | 3 | | 6 | 8 | 17 | JIM WELLS | | | 7 | 3 | 12 | |
| CHEROKEE | | | 15 | 2 | 17 | GAINES | 7 | | 9 | 1 | 17 | JOHNSON | 3 | | 13 | 13 | 29 | |
| CHILDRESS | | | 3 | 1 | 4 | GALVESTON | 43 | | 71 | 60 | 174 | JONES | | | | 1 | 1 | |
| CLAY | | | 3 | 1 | 4 | GARZA | 1 | | | | 1 | KARNES | 1 | | 12 | 8 | 21 | |
| COKE | | | 1 | | 1 | SILLESPIE | 1 | | 1 | | 2 | KAUFMAN | 5 | | 10 | 3 | 18 | |
| COLEMAN | | | 1 | 2 | 2 | GLASSCOCK | 6 | | 3 | 4 | 13 | KENDALL | | | 2 | 1 | 3 | |
| COLLIN | 12 | | 30 | 19 | 61 | GOLIAD | | | 1 | 2 | 3 | KENEDY | | | 5 | | 5 | |
| COLORADO | | | 9 | 3 | 12 | GONZALES | 2 | | 11 | 5 | 18 | | | | | | | |

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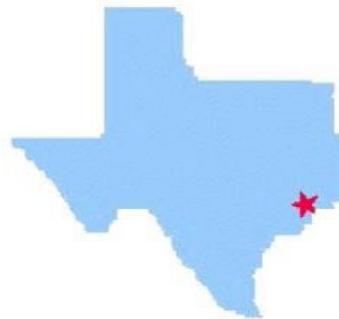
| COUNTY | HAZ | SUB | OIL PROD | OTHER | TOTAL | COUNTY | HAZ | SUB | OIL PROD | OTHER | TOTAL | COUNTY | HAZ | SUB | OIL PROD | OTHER | TOTAL | |
|-------------|-----|-----|----------|-------|-------|---------------|-----|-----|----------|-------|-------|--------------|-----|-----|----------|-------|-------|---|
| KERR | | | | 2 | 2 | NOLAN | | | 4 | 2 | 6 | SUTTON | | | 3 | | 3 | |
| KIMBLE | | | 1 | 3 | 4 | NUECES | 210 | | 109 | 112 | 431 | TARRANT | 44 | | 129 | 80 | 253 | |
| KLEBERG | 1 | | 5 | 7 | 13 | OCHILTREE | | | 2 | 2 | 4 | TAYLOR | 1 | | 7 | 4 | 12 | |
| LA SALLE | 2 | | 20 | 5 | 27 | OLDHAM | | | 1 | | 1 | TERRY | 3 | | 3 | 1 | 7 | |
| LAMAR | 2 | | 3 | 3 | 8 | ORANGE | 93 | | 65 | 46 | 204 | THROCKMORTON | | | 1 | | 1 | |
| LAMB | 4 | | | | 4 | PALO PINTO | 1 | | 11 | 3 | 15 | TITUS | 29 | | 9 | 1 | 39 | |
| LAMPASAS | | | 1 | | 1 | PANOLA | 2 | | 10 | 11 | 23 | TOM GREEN | 1 | | 5 | 3 | 9 | |
| LAVACA | 5 | | 4 | 6 | 15 | PARKER | 1 | | 6 | 8 | 15 | TRAVIS | 12 | | 35 | 31 | 78 | |
| LEE | 1 | | 5 | 7 | 13 | PARMER | 8 | | 2 | 2 | 12 | TRINITY | | | 2 | 1 | 3 | |
| LEON | 1 | | 5 | 4 | 10 | PECOS | | | 2 | 6 | 8 | TYLER | | | 7 | 2 | 9 | |
| LIBERTY | 4 | | 20 | 11 | 35 | POLK | | | 10 | 11 | 21 | UPSHUR | | | 7 | 5 | 12 | |
| LIMESTONE | 3 | | 5 | 5 | 13 | POTTER | 20 | | 15 | 15 | 50 | UPTON | 12 | | 5 | 10 | 27 | |
| LIPSCOMB | | | 3 | 1 | 4 | PRESIDIO | | | 1 | 1 | 1 | UVALDE | | | 7 | 5 | 12 | |
| LIVE OAK | 15 | | 15 | 17 | 47 | RANDALL | | | | 3 | 3 | VAL VERDE | | | 2 | 4 | 6 | |
| LLANO | | | 8 | 2 | 10 | REAGAN | 14 | | 7 | 16 | 37 | VAN ZANDT | 2 | | 11 | 7 | 19 | |
| LOVING | 4 | | 3 | | 7 | REAL | | | 2 | 1 | 3 | VICTORIA | 93 | | 27 | 17 | 137 | |
| LUBBOCK | 3 | | 7 | 11 | 21 | RED RIVER | | | 2 | 3 | 5 | WALKER | 1 | | 5 | 2 | 8 | |
| LYNN | 1 | | | 1 | 2 | REEVES | 5 | | 15 | 13 | 33 | WALLER | | | 5 | 4 | 9 | |
| MADISON | 1 | | 6 | 6 | 13 | REFUGIO | 2 | | 5 | 2 | 9 | WARD | 8 | | 6 | 8 | 22 | |
| MARION | | | 4 | 3 | 7 | ROBERTS | | | 3 | 1 | 4 | WASHINGTON | 1 | | 3 | | 4 | |
| MARTIN | 16 | | 6 | 15 | 37 | ROBERTSON | 1 | | 7 | 7 | 15 | WEBB | 3 | | 25 | 7 | 35 | |
| MATAGORDA | 6 | | 12 | 5 | 23 | ROCKWALL | | | 10 | 2 | 12 | WHARTON | 1 | | 9 | 11 | 16 | |
| MAVERICK | | | 5 | 6 | 11 | RUSK | | | 12 | 7 | 19 | WHEELER | 1 | | 3 | 2 | 6 | |
| MCCULLOCH | | | | 1 | 1 | SABINE | | | 1 | 1 | 2 | WICHITA | 4 | | 8 | 3 | 15 | |
| MCLENNAN | 14 | | 18 | 12 | 44 | SAN AUGUSTINE | | | 1 | 1 | 2 | WILBARGER | 2 | | 1 | 2 | 5 | |
| MCMULLEN | 4 | | 7 | 2 | 13 | SAN JACINTO | | | 2 | | 2 | WILLACY | 1 | | 8 | 2 | 11 | |
| MEDINA | 1 | | 3 | 2 | 6 | SAN PATRICIO | 49 | | 30 | 26 | 105 | WILLIAMSON | 3 | | 11 | 24 | 38 | |
| MIDLAND | 40 | | 30 | 56 | 126 | SAN SABA | | | | 2 | 2 | WILSON | | | 1 | 4 | 2 | 6 |
| MILAM | | | 1 | 8 | 9 | SCHLEICHER | 1 | | | 2 | 3 | WINKLER | 2 | | 2 | 3 | 7 | |
| MILLS | | | 1 | | 1 | SCURRY | 1 | | 16 | 3 | 20 | WISE | 2 | | 23 | 12 | 37 | |
| MITCHELL | 4 | | 4 | 2 | 6 | SHACKELFORD | | | 1 | | 1 | WOOD | 1 | | 9 | 5 | 15 | |
| MONTAGUE | 4 | | 7 | 7 | 18 | SHELBY | 3 | | 1 | 6 | 10 | YOAKUM | 4 | | 6 | 34 | 44 | |
| MONTGOMERY | 10 | | 49 | 15 | 74 | SHERMAN | | | 1 | 1 | 1 | YOUNG | 1 | | 5 | 3 | 9 | |
| MOORE | 14 | | 10 | 15 | 39 | SMITH | 5 | | 33 | 13 | 51 | ZAPATA | | | 2 | 1 | 3 | |
| MORRIS | | | | 3 | 3 | SOMERVELL | | | | 2 | 2 | ZAVALA | | | 2 | 1 | 3 | |
| NACOGDOCHES | 2 | | 14 | 3 | 19 | STARR | | | 4 | 3 | 7 | | | | | | | |
| NAVARRO | 4 | | 17 | 5 | 26 | STEPHENS | 1 | | 21 | 5 | 27 | | | | | | | |
| NEWTON | 2 | | 8 | 2 | 12 | STONEMAN | | | 2 | 1 | 2 | | | | | | | |

10/9/2016

Factoid

10/9/2016

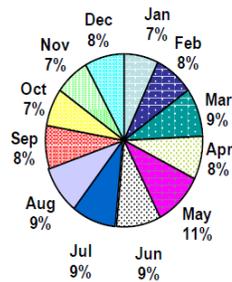
Since 2000, more air release reports to EPA through the National Response Center have originated from Harris County (Greater Houston), Texas, than 47 States



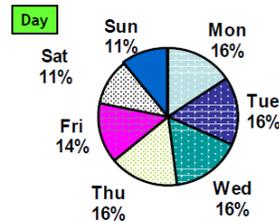
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NRC Notifications to EPA Region 6 -- Releases by Month, Day, Time of Day (2012-2016)

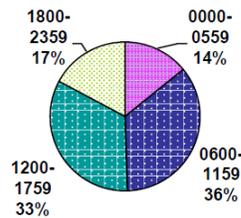
10/9/2016



Month



Day



Time

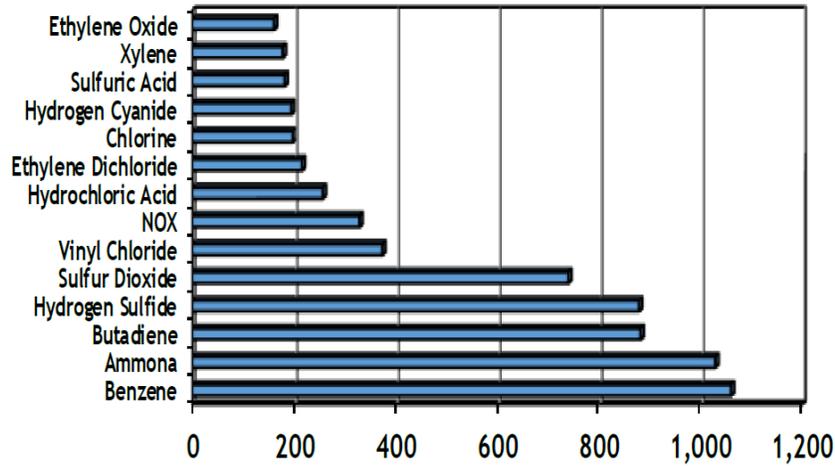
Releases are distributed:

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

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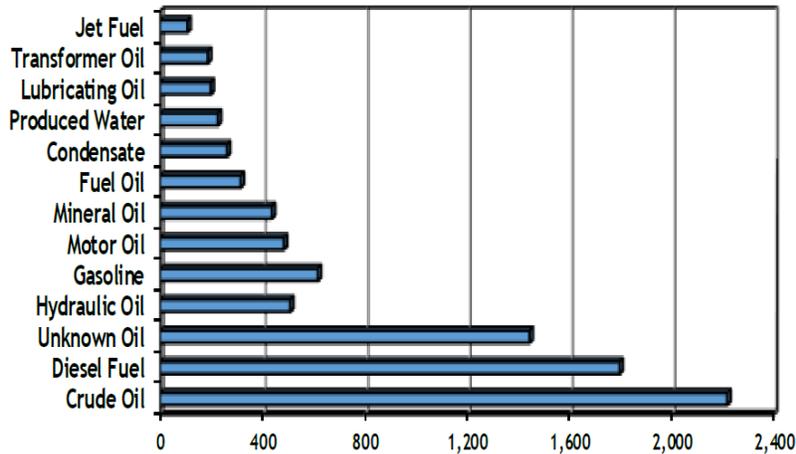
NRC Notifications to EPA Region 6 -- Top Hazardous Materials Released (2012 - 2016) 10/9/2016

The substances listed below account for 83 % of all hazardous material releases within Region 6 since 2012



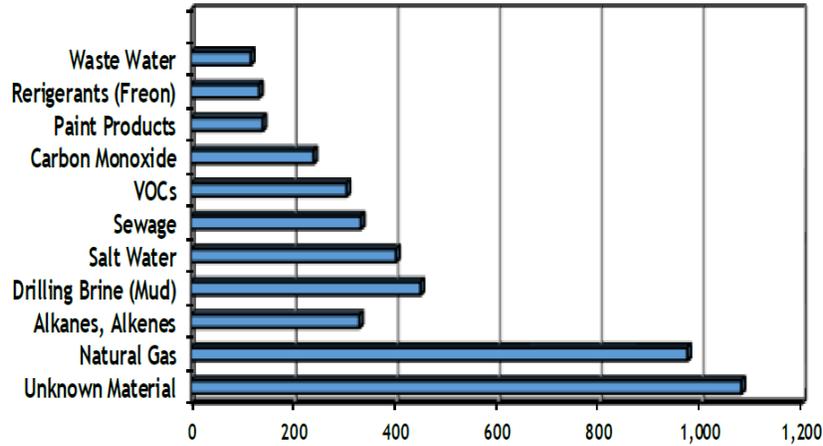
NRC Notifications to EPA Region 6 -- Top Oil / Oil Products Released (2012 - 2016) 10/9/2016

The oil / oil products listed below account for 88 % of all oil / oil product releases within Region 6 since 2011

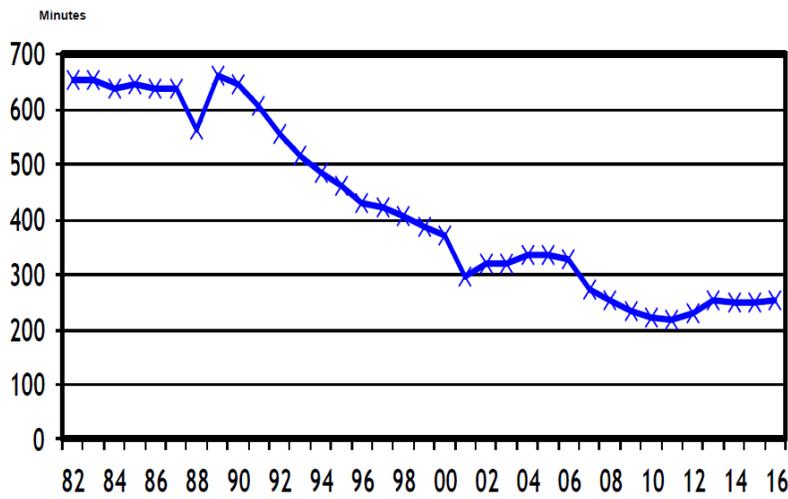


NRC Notifications to EPA Region 6 -- Top Other Substances Released (2012 - 2016) 10/9/2016

The materials listed below account for 73 % of all other material releases within Region 6 since 2011



NRC Notifications to EPA Region 6 -- Elapsed Time from Time of Release to Time Reported to NRC -- by Year (1982 - 2016)



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

