



Chemical Release Notification
Requirements
Emergency Planning and Community
Right-to-Know
Act (EPCRA) / CERCLA 103



Federal Regulations

- **EPCRA** - Emergency Planning and Community Right to Know Act (aka SARA Title III or **EPCRA 304, 311 and 312**)
 - Submit chemical inventory amounts on Tier II and **immediately report releases to state and local agencies**
 - **CERCLA** – Comprehensive Environmental Response Compensation and Liability Act (**CERCLA**) **Section 103**
 - **Immediately report releases Reporting to National Response Center (NRC)**
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Acronyms

- ❖ Extremely Hazardous Substance (EHS)
- ❖ Reportable Quantity (RQ)
- ❖ Threshold Planning Quantity (TPQ)



Regulated Facilities

EPCRA 304 and CERCLA 103

- Produce, use or store a listed hazardous substance, and
- Release of an RQ of any listed hazardous substance into the environment



SARA Title III List of Lists

- Contains complete list of all categories
- Shows “trigger” quantities for each substance
- Most current List of List is available on EPA’s web page at –

<http://www.epa.gov/emergencies>



SARA Title III List of Lists

Name	CAS/313 Category Codes	Section 302 (EHS) TPQ	Section 304 EHS RQ	CERCLA RQ	Section 313	RCRA Code	CAA 112(r) TQ
Chlorine	7782-50-5	100	10	10	313		2,500
Chlorine dioxide	10049-04-4				313		1,000
Chlorine monoxide	7791-21-1						10,000



What is a Release to the Environment?

“Release” is defined in CERCLA Section 101(22) as any “spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment; including the abandonment or discarding of barrels, containers, and other closed receptacles containing any hazardous substance or pollutant or contaminant.”

**Under EPCRA release must move offsite to be reportable.
Releases to air are assumed to go offsite!**



Who do you call?

When a release occurs:

- ✓ **Call 911 – tell them if you need a response.**
- ✓ **Immediately notify any LEPC, TERC and SERC that might be impacted, and**
- ✓ **If release involves a listed CERCLA hazardous substance, notify the National Response Center(NRC) at 1-800-424-8802**
- ✓ **“Immediate” means within 15 minutes of the release, not after you’ve taken the time to completely evaluate what quantity was released.**
- ✓ **Better safe than sorry.....**



What Information Must Be Provided?

- **Substance released**
- **Is it an EHS?**
- **Estimated quantity**
- **Release start and stop time**
- **Media affected**
- **Health effects/medical advice**
- **Contact names**



Written Follow Up

- **Written follow-up to the SERC/TERC, LEPC “as soon as practicable”**
- **Update of initial information**
- **Actions taken**
- **Known or anticipated chronic health risks**
- **Medical attention advice for exposed individuals**



Pesticide Exemption

- **Application of pesticide and soil enrichment is not a “release.”**
- **If the product is applied, the way it is intended to be applied!**



Petroleum Exemption

- **Under CERCLA, petroleum is generally exempted.**
- **Under EPCRA, petroleum is NOT excluded if an EHS is present in the petroleum.**



Reaction Products

- **Hazardous substances released as reaction products must be reported!**
- **Even if the chemicals which are reacting together are not reportable,**
- **Reportable quantity for the reaction product is applicable.**



For Example....

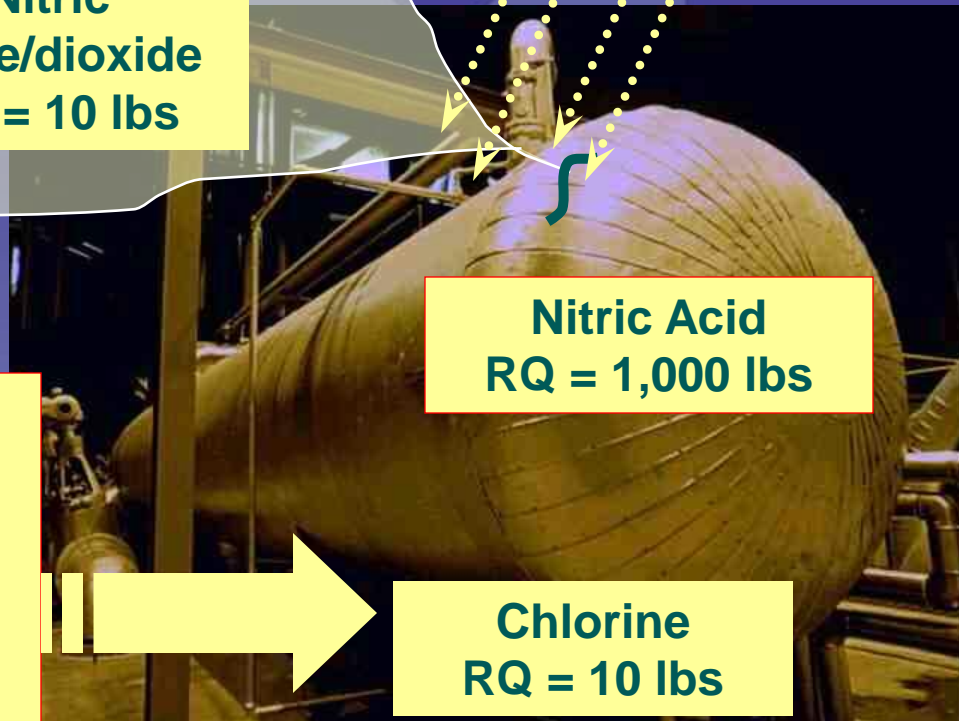
A reaction!!!!

Nitric
oxide/dioxide
RQ = 10 lbs

Nitric Acid
RQ = 1,000 lbs

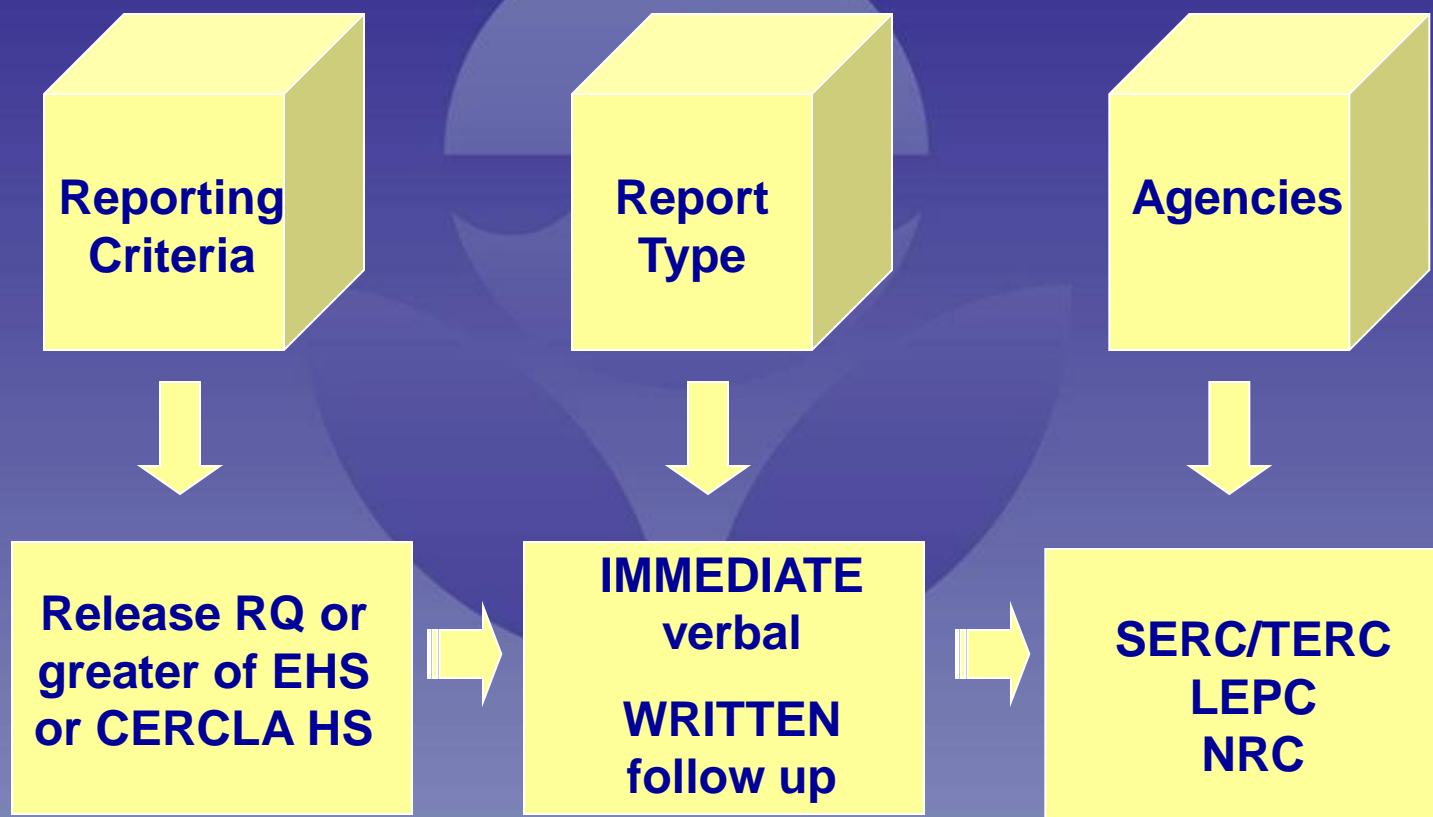
Sodium
hypochlorite
RQ = 100 lbs
+
ferric chloride
RQ = 1,000 lbs

Chlorine
RQ = 10 lbs





Release Notification Requirement (EPCRA 304 & CERCLA 103)





Who do you call In Arizona?

- 911 (Note: Calling 911 does not satisfy EPCRA requirement to contact SERC, TERC or LEPC)
- AZ DEQ 24-hour Emergency Hotline
1-800-234-5677
- LEPC (number available at azserc@azdema.gov)
- AZ SERC at 602-677-6914 or azserc@azdema.gov
- TERC – contact your local tribal emergency management group for contact information.
- NRC – email HQS-DG-1st-NRCINFO@uscg.mil
1-800-424-8802 (<http://www.nrc.uscg.mil/>)



Remember...

When a Release Occurs

- Immediately **NOTIFY**.
- **FOLLOW UP** with written notification.
- **REVIEW** why it happened and how to prevent it next time.
- **PLAN** to be prepared to appropriately respond.



FY09 - 10 Enforcement Region 9 EPPS

Program	2009		2010	
	# of cases	Penalties	# of cases	Penalties
CAA 112r	21	\$97,090.00	31	\$31,700.00
EPCRA 312	5	\$26,000.00	10	\$60,000.00
Release Reporting	5	\$549,150.00	6	\$270,622.00

