

# Spills



# INTRODUCTION

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DANR's Inspection, Compliance, and  
Remediation Program (ICRP)

SARA Title III Coordinator  
Spill Program





# Overview

- Spill Reporting
  - When and what to report
  - Who to call
- After Reporting
  - Cleanup
    - Who
    - How
    - Why
    - What's next
- Questions / Discussion





# SPILL REPORTING



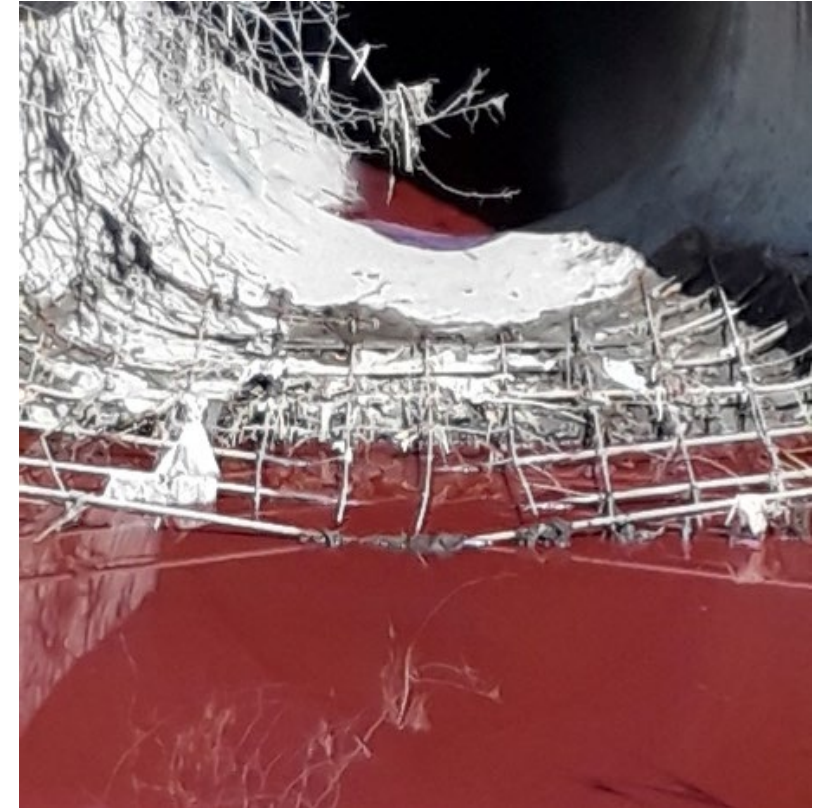
# Reportable Substances

- Fertilizer
- Pesticides
- Petroleum substances
- Waste products
- Substances that when spilled, threaten to harm human health or the environment.
- Substances listed in the List of Lists Document



# Spill Reporting Thresholds

- Exceeds 25 gallons;
- 5 gallons liquid or 50 pounds dry pesticide, spilled during transportation.
- 25 lbs of active ingredient pesticide, outside secondary containment.
- Threatens surface or groundwater;
- Threatens human health or safety;
- Causes a sheen on surface water;
- Exceeds groundwater or surface water quality standards;
- Threatens wildlife or aquatic life;
- Meets a Lists of Lists Reportable Quantity (RQ).





# APPENDIX A

## LIST OF LISTS

### CONSOLIDATED LIST OF CHEMICALS (BY ALPHABETICAL NAME) SUBJECT TO EPCRA, CERCLA AND CAA SECTION 112 (r)



United States  
Environmental Protection  
Agency

Office of Land  
and  
Emergency Management

EPA 550-B-24-001  
April 2025  
[www.epa.gov/epcra](http://www.epa.gov/epcra)

NAME	CAS/313 Category Codes	Section 302 (EHS) TPQ	Section 304 EHS RQ	CERCLA RQ
Abamectin	71751-41-2			
Acenaphthene	83-32-9			100
Acenaphthylene	208-96-8			5,000
Acephate	30560-19-1			
Acetaldehyde	75-07-0			1,000
Acetaldehyde, trichloro-	75-87-6			5,000
Acetamide	60-35-5			100
Acetic acid	64-19-7			5,000
Acetic acid, (2,4-dichlorophenoxy)-	94-75-7			100
Acetic acid ethenyl ester	108-05-4	1,000	5,000	5,000
Acetic anhydride	108-24-7			5,000
Acetone	67-64-1			5,000
Acetone cyanohydrin	75-86-5	1,000	10	10
Acetone thiosemicarbazide	1752-30-3	1,000/10,000	1,000	
Acetonitrile	75-05-8			5,000
Acetophenone	98-86-2			5,000
2-Acetylaminofluorene	53-96-3			1
Acetyl bromide	506-96-7			5,000
Acetyl chloride	75-36-5			5,000
Acetylene	74-86-2			
Acetylphosphoramidothioic acid O,S-dimethyl ester	30560-19-1			
1-Acetyl-2-thiourea	591-08-2			1,000
Acifluorfen, sodium salt	62476-59-9			
Acrolein	107-02-8	500	1	1
Acrylamide	79-06-1	1,000/10,000	5,000	5,000
Acrylic acid	79-10-7			5,000
Acrylonitrile	107-13-1	10,000	100	100
Acrylyl chloride	814-68-6	100	100	
Adipic acid	124-04-9			5,000

## LIST OF LISTS

Consolidated List of Chemicals Subject to the  
Emergency Planning and Community  
Right-To-Know Act (EPCRA),  
Comprehensive Environmental Response,  
Compensation and Liability Act (CERCLA),  
Section 112(r)(7) of the Clean Air Act (CAA), and  
Section 311(j)(5) of the Clean Water Act (CWA)

- EPCRA Section 302 Extremely Hazardous Substances
- CERCLA Hazardous Substances
- EPCRA Section 313 Toxic Chemicals
- CAA Section 112(r)(7) Regulated Chemicals
- CWA Section 311(j)(5) Hazardous Substances

# Fires





## November 19, 2014, Spill Case #2014.247 - Mitchell

Initially 2,000 gallons of water was applied - It was then determined to let the building burn.

Because an excessive amount of water was not applied, most spilled product stayed within the building so there was not a large release to the environment.



## PFAS from Fire Fighting Foams Containing PFAS

(Per- and polyfluoroalkyl substances)

- Ecological impacts
  - Water (surface water, ground water, drinking water)
  - Soils
  - Biota and plants
- Human health impacts
  - Cancer
  - Hormone disruption
  - Decreased vaccine response
  - Pulmonary risks







**Sily-ex**  
"CLASS A" FIRE CONTROL CONCENTRATE  
CONTENTS 5 GALS. (19 LITERS)  
PART NO. 75451

**ANGUS**

**3/6%**  
**ALCOSEAL 3-6**  
ALCOHOL RESISTANT FILM FORMING  
FLUOROPOLYMER FOAM CONCENTRATE  
**AR-FFFP**  
ANGUS FIRE

**ANGUS**

aqueous film-forming  
foam concentrate  
for 1% proportioning

**BUCKEYE PLATINUM**  
**1% AFFF**  
PART NO. 50325

aqueous film-forming  
foam concentrate  
for 1% proportioning

**BUCKEYE PLATINUM**  
**1% AFFF**

Sign up for Foam  
Collection  
(fire departments)



# Agricultural Chemical Spills







**Most Substances are potentially reportable  
when spilled**





# Milk Spills



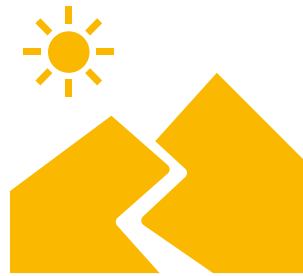
# Spill/Release Reporting



**Local First Responders  
including Local Emergency  
Planning Committee (LEPC) &  
Local Emergency Manager**

Immediately

Call: 911 (emergencies)



**Department of Agriculture  
and Natural Resources  
(DANR)/ State Emergency  
Response Commission (SERC)**

Immediately

(605) 773-3296 (Business Hours)  
(605) 773-3231 (After hours)



**National Response Center  
(NRC)**

Immediately (BUT only when a spill  
impacts a waterbody or meets the  
CERCLA RQ – found in the List of  
Lists)

800-424-8802

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**LIST OF LISTS**  
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A yellow excavator is shown in the upper right portion of the frame, its arm and bucket partially visible. The ground is a mix of dark, wet mud and patches of snow, suggesting a cold-weather remediation site. The excavator appears to be working on a trench or a large pile of earth. The overall scene is dimly lit, with a dark, moody atmosphere.

# Cleanup and Remediation

01/07/2021 13:02





# WHO

- When a spill is reported, DANR names a responsible party (RP).
- Local responders MAY help with initial emergency action to prevent spread of contamination.
- The RP is required to perform the cleanup or hire a consultant to perform the cleanup.



# Petroleum Cleanups

## ❖ Petroleum Releases

The SD Board of Technical Professionals requires that any person directing and overseeing cleanup be certified in petroleum remediation or under the supervision of someone certified in petroleum remediation.



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# HOW Typical cleanup



# HOW Typical cleanup

Prevent spread of  
spilled product –  
Place berms or  
booms, etc.





# HOW Typical cleanup

Excavate contaminated soil





# HOW Typical cleanup

If required by DANR, take cleanup confirmation samples and send them to a laboratory for analysis.



# HOW Typical cleanup

- Place on an impermeable surface and cover with an impermeable material
- Prevent spread of contamination to cleanup soil below/under the pile and
- Water adds weight and will increase your tipping fee







# HOW Typical cleanup

- Dispose at a facility permitted to accept the waste material (DANR can assist identifying disposal options)

# HOW Typical cleanup



Provide DANR with required documentation, typically:



Analytical data



Photographs



Written summary of work performed



Follow-up report form



Landfill/disposal receipts



# HOW Typical cleanup

## Next step:

- Additional work needed = DANR will contact you regarding additional requirements  
or
- No additional Work required = case designation as either “Closed” or “No Further Action”

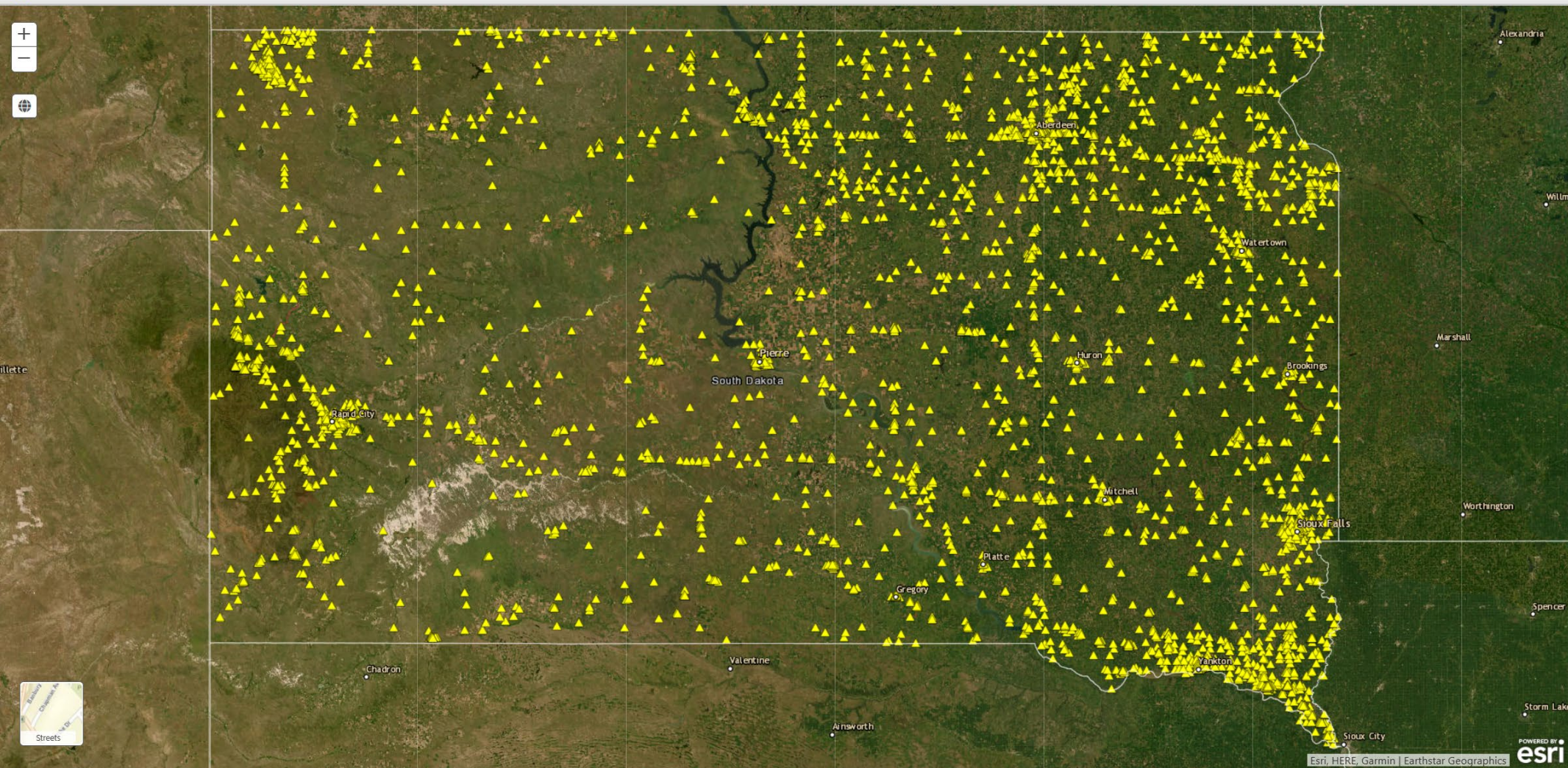
# Why

Protect human health and safety.

Protect the environment, including surface water and groundwater.







NR42 Interactive Map – <https://danr.sd.gov/>



A worker wearing a full-body protective suit, including a hood and gloves, is operating a pump or hose at a spill site. The ground is dark and saturated with a liquid spill. The background shows a muddy, uneven terrain.

# Spill Team Contacts

- Trish Kindt
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