

RELEASE REPORT

January 1st – March 31st, 2023

The Kansas Division of Emergency Management (KDEM), the Kansas Department of Health and Environment (KDHE), and the Kansas Corporation Commission (KCC) are reporting that there were approximately 289 releases reported for the period of January 1st through March 31st, 2023.

Spills are reported to KDEM, KDHE, and the KCC. Each agency has their own requirements and thresholds for reporting spills or releases. Any spill or air release that exceeds the Reportable Quantity (RQ) for a hazardous chemical listed in the Environmental Protection Agency's (EPA'S) SARA Title III List of Lists (LOL) is reportable to KDEM. Any spill or release that involves water or soil is required to be reported to KDHE. Spills or releases at oil and gas exploration and production sites are required to be reported to the KCC.

The counties with the most spills or releases reported are below.

COUNTIES WITH THE MOST RELEASES	
<i>County</i>	<i>Incidents</i>
Butler	25
Sedgwick	14
Wyandotte	14
McPherson	13
Shawnee	10

The primary sources, primary causes and the number of instances of the releases reported to KDEM and KDHE are shown in the table below. KCC spills are on an oil lease, primarily from lead lines or tanks.

PRIMARY SOURCES		PRIMARY CAUSE	
<i>Source</i>	<i>Number of Incidents</i>	<i>Cause</i>	<i>Number of Incidents</i>
Fixed Facility	78	Equipment Failure	95
Motor Vehicle/Carrier	44	Op	27
Rail	23	Transportation Accident	23

The types of chemicals released varied greatly. The most frequently released chemicals reported to KDEM and KDHE are combined with KCC numbers following:

MOST FREQUENTLY RELEASED CHEMICALS FOR KCC	
<i>59 Brine/Salt Water</i> instances	
<i>52 Crude Oil</i> Instances	
MOST FREQUENTLY RELEASED CHEMICALS FOR KDHE AND KDEM	
<i>Commodity</i>	<i>Incidents</i>
Diesel Fuel	30
Motor/Lube Oil	20
Electrical Insulating Oil	14
Gasoline	9
Sulfur Dioxide (SO₂)	7

Although the above table indicates the *frequency* a chemical was released, perhaps the *largest quantity* of a chemical released gives a better picture of the amount of chemicals entering Kansas's air, water and soil.

LARGEST QUANTITY OF RELEASED CHEMICALS FOR KDHE AND KDEM		Main Source(s)	Main Cause(s)
<i>Material</i>	<i>Total (in pounds)</i>		
Waste Water	808088.20	Fixed Facility	Equipment Failure
Sulfur Dioxide	67513.60	Fixed Facility	Equipment Failure
Brine/Salt Water	23659.57	Fixed Facility	Equipment Failure
Gasoline	7781.76	Fixed Facility	Equipment Failure
Diesel	7494.71	Motor Vehicle/Carrier	Transportation Accident