

## Quality checking variables, generating frequency tables, highlighting incidents with injuries

<b>Data Set Name</b>	C.DS2024	<b>Observations</b>	339
<b>Member Type</b>	DATA	<b>Variables</b>	16
<b>Engine</b>	V9	<b>Indexes</b>	0
<b>Created</b>	05/15/2025 10:45:14	<b>Observation Length</b>	5312
<b>Last Modified</b>	05/15/2025 10:45:14	<b>Deleted Observations</b>	0
<b>Protection</b>		<b>Compressed</b>	NO
<b>Data Set Type</b>		<b>Sorted</b>	NO
<b>Label</b>			
<b>Data Representation</b>	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
<b>Encoding</b>	utf-8 Unicode (UTF-8)		

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
1	chprs_id	Char	5		\$5.	ChPRS ID Number:
12	comment	Char	5000		\$5000.	Please provide a brief synopsis of the incident (ChPRS daily digest email body):
2	county	Num	8	COUNTY_.	BEST12.	County:
3	date	Num	8	DATE9.	YYMMDD10.	Date of incident:
14	incident_date	Num	8			
15	incident_month	Num	8			Month of incident
13	incident_wkday	Num	8	WEEKDATE9.		Day of incident
16	incident_year	Num	8			Year of incident
7	location	Num	8	LOCATION_.	BEST12.	What was the type of incident?
5	relstyp	Num	8	RELSTYP_.	BEST12.	Type of Release
8	sub1	Num	8	SUB1_.	BEST12.	Substance 1
10	sub2	Num	8	SUB1_.	BEST12.	Substance 2
9	sub1_oth	Char	200		\$200.	Other and/or describe (please specify):
6	sub_typ	Num	8	SUB_TYP_.	BEST12.	What type of substance was involved?

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
4	tot_chem	Num	8		BEST12.	Total Number of Chemicals Spilled
11	tot_vict	Num	8		BEST12.	Total number of people injured:

Number of Variable Levels		
Variable	Label	Levels
county	County:	62

## Incidents by county

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County:		
county	Frequency	Percent
60	68	20.06
41	30	8.85
34	27	7.96
92	17	5.01
26	14	4.13
36	13	3.83
32	11	3.24
13	10	2.95
18	10	2.95
1	9	2.65
11	9	2.65
80	9	2.65
45	8	2.36
44	6	1.77
29	5	1.47
51	5	1.47
76	5	1.47
85	5	1.47
68	4	1.18
74	4	1.18
98	4	1.18
7	3	0.88
10	3	0.88
46	3	0.88
65	3	0.88
78	3	0.88
82	3	0.88

## Incidents by county

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County:		
county	Frequency	Percent
90	3	0.88
4	2	0.59
9	2	0.59
25	2	0.59
33	2	0.59
39	2	0.59
43	2	0.59
49	2	0.59
69	2	0.59
75	2	0.59
83	2	0.59
91	2	0.59
8	1	0.29
12	1	0.29
14	1	0.29
16	1	0.29
19	1	0.29
24	1	0.29
35	1	0.29
42	1	0.29
53	1	0.29
54	1	0.29
55	1	0.29
56	1	0.29
59	1	0.29
61	1	0.29
63	1	0.29

Incidents by county

County:		
county	Frequency	Percent
66	1	0.29
67	1	0.29
71	1	0.29
77	1	0.29
79	1	0.29
81	1	0.29
97	1	0.29
99	1	0.29

## Incidents by location

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Number of Variable Levels		
Variable	Label	Levels
location	What was the type of incident?	4

What was the type of incident?		
location	Frequency	Percent
2	230	67.85
3	82	24.19
4	15	4.42
1	12	3.54

Number of Variable Levels		
Variable	Label	Levels
relstyp	Type of Release	5

Type of Release		
relstyp	Frequency	Percent
1	267	78.76
2	62	18.29
5	5	1.47
4	4	1.18
7	1	0.29



Incidents by month

Number of Variable Levels		
Variable	Label	Levels
date	Date of incident:	12

Date of incident:		
date	Frequency	Percent
May	41	12.09
August	37	10.91
June	35	10.32
July	29	8.55
April	28	8.26
December	27	7.96
February	27	7.96
September	27	7.96
March	26	7.67
November	22	6.49
January	21	6.19
October	19	5.60

## Incidents by weekday

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Number of Variable Levels		
Variable	Label	Levels
incident_wkday	Day of incident	7

Day of incident		
incident_wkday	Frequency	Percent
Monday	69	20.35
Tuesday	67	19.76
Wednesday	64	18.88
Thursday	57	16.81
Friday	51	15.04
Saturday	19	5.60
Sunday	12	3.54

## Incidents by substance\_type

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Number of Variable Levels		
Variable	Label	Levels
sub_typ	What type of substance was involved?	1

What type of substance was involved?		
sub_typ	Frequency	Percent
1	339	100.00

# Incidents by most common chemical substance

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Number of Variable Levels				
Variable	Label	Levels	Missing Levels	Nonmissing Levels
sub1	Substance 1	48	1	47
sub_typ	What type of substance was involved?	1	0	1

sub1	sub_typ	Frequency	Percent
269	1	72	24.74
719	1	51	17.53
541	1	35	12.03
419	1	17	5.84
743	1	9	3.09
80	1	8	2.75
201	1	8	2.75
694	1	8	2.75
460	1	7	2.41
188	1	6	2.06
380	1	6	2.06
330	1	5	1.72
656	1	5	1.72
664	1	5	1.72
496	1	4	1.37
53	1	3	1.03
111	1	3	1.03
545	1	3	1.03
79	1	2	0.69
81	1	2	0.69
363	1	2	0.69
Frequency Missing = 48			

# Incidents by most common chemical substance

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sub1	sub_typ	Frequency	Percent
418	1	2	0.69
676	1	2	0.69
688	1	2	0.69
848	1	2	0.69
6	1	1	0.34
82	1	1	0.34
135	1	1	0.34
208	1	1	0.34
374	1	1	0.34
411	1	1	0.34
413	1	1	0.34
415	1	1	0.34
459	1	1	0.34
558	1	1	0.34
592	1	1	0.34
630	1	1	0.34
631	1	1	0.34
720	1	1	0.34
732	1	1	0.34
735	1	1	0.34
785	1	1	0.34
856	1	1	0.34
858	1	1	0.34
859	1	1	0.34
860	1	1	0.34
863	1	1	0.34
Frequency Missing = 48			

## Incidents by other chemical substance

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Number of Variable Levels				
Variable	Label	Levels	Missing Levels	Nonmissing Levels
sub1_oth	Other and/or describe (please specify):	23	1	22
sub_typ	What type of substance was involved?	1	0	1

sub1_oth	sub_typ	Frequency	Percent
Hydrochloric acid	1	18	36.73
Acetonitrile	1	6	12.24
Ethyl acetate	1	3	6.12
Hexanes	1	3	6.12
Acetic acid, glacial	1	2	4.08
5-Methylhexan-2-one	1	1	2.04
Ammonium hydrogendifluoride	1	1	2.04
Calcium hypochlorite	1	1	2.04
Chlorotoulene	1	1	2.04
Ethyl methyl ketone	1	1	2.04
Formic acid (<10% by mass)	1	1	2.04
Lithium hydroxide	1	1	2.04
Methyl ethyl ketone	1	1	2.04
Methyl tert-butyl ether	1	1	2.04
N,N-dimethylformamide	1	1	2.04
Round Up Glyphosate	1	1	2.04
Sodium bisulfite	1	1	2.04
Sodium carbonate peroxyhydrate	1	1	2.04
TRICHLOROISOCYANURIC ACID	1	1	2.04
Trichloroethylene	1	1	2.04
Frequency Missing = 290			

### Incidents by other chemical substance

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sub1_oth	sub_typ	Frequency	Percent
chloropicrin	1	1	2.04
muriatic acid	1	1	2.04
Frequency Missing = 290			

## Incidents by secondary chemical substance

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Number of Variable Levels				
Variable	Label	Levels	Missing Levels	Nonmissing Levels
sub2	Substance 2	10	1	9
sub_typ	What type of substance was involved?	1	0	1

sub2	sub_typ	Frequency	Percent
460	1	5	31.25
269	1	4	25.00
112	1	1	6.25
188	1	1	6.25
376	1	1	6.25
380	1	1	6.25
719	1	1	6.25
743	1	1	6.25
862	1	1	6.25
Frequency Missing = 323			



**Highlight incidents with injuries  $\geq 1$  in 2024**

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Row	ChPRS ID Number:	County:	Date of incident:	Total Number of Chemicals Spilled	Type of Release	What type of substance was involved?	What was the type of incident?	Substance 1	Total number of people injured:	Please provide a brief synopsis of the incident (ChPRS daily digest email body):
	total_injuries_in_2024									
1	1280	92	19APR2024	1	1	1	3	413	8	https://www.youtube.com/watch?v=rlwzR1fji8 Hazardous spill of 1 gallon of HCl, 8 people were evaluated and are expected to be ok.
	56									
2	1960	18	30JUL2024	1	2	1	3	418	5	Good Afternoon, I wanted to pass along an incident that I came across within the NC DETECT system. It was marked under the 'neuro' syndrome in NCPC for Catawba County on 7/30/24. The call came in for 6 hospital employees within the sterilization department that were exposed to vaporized hydrogen peroxide (Steris Vaprox 59) for about 4-6 minutes before they realized machine had malfunctioned. Symptoms for all were limited to eye irritation, headache, and/or chest tightness. All employees were cleared after assessment, and none were sent to ED for further care. There is no other patient information listed and the case number is 24045312.
	56									
3	1965	41	12AUG2024	1	2	1	1	188	3	Guilford County - Chemical - NCRRT-5 responded on a local mission for a carbon monoxide alarm at a private Greensboro residence. Carbon monoxide readings of 108 ppm were found on the second floor where three occupants were found with symptoms of headache. All occupants were removed outside to fresh air. A vehicle was found running in a closed garage with carbon monoxide levels of 500 ppm. No state resources requested.
	56									
4	2008	60	11NOV2024	1	5	1	2	269	3	Caller reported a discharge of 85 gallons of diesel fuel due to motor vehicle accident. Much of the diesel burned in the resulting fire. Due to the accident, three injuries were reported by the media. No state resources requested.
	56									
5	1248	36	10MAY2024	2	1	1	2	269	3	5/10- Gaston County - chemical- Durham County Emergency Management via AC10 reported a 30 - 50 gallon diesel fuel release to the roadway after a tractor trailer struck debris in the roadway. Local Emergency Management & Fire Department on scene. No state resources requested.
	56									

**Highlight incidents with injuries  $\geq 1$  in 2024**

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Row	ChPRS ID Number:	County:	Date of incident:	Total Number of Chemicals Spilled	Type of Release	What type of substance was involved?	What was the type of incident?	Substance 1	Total number of people injured:	Please provide a brief synopsis of the incident (ChPRS daily digest email body):	total_injuries_in_2024
6	1967	44	14AUG2024	1	1	1	3	719	2	Haywood County - Chemical - 100 gallons of sodium hydroxide were released into the Waynesville Water treatment plant building from a storage tank. The release was on the 3rd floor of the building and exited the building, possibly into the storm drains. All seven treatment plant employees on scene were evacuated for three hours. Cleanup was coordinated with the Waynesville fire department. Two firefighters sustained minor chemical burns during cleanup operations. No state resources requested.	56
7	1250	85	13MAY2024	1	1	1	1	380	2	5/13- Stokes County - chemical- Local EM reported a vehicle accident with one car in the creek that resulted in a fatality. There was about 25 gallons of gasoline spilled from the vehicle into the creek. Road closure. Local fire department has tried to stop the flow and contain the gasoline. Local hazmat team and clean up crew on scene with cleanup underway. No state resources requested.	56
8	1989	13	23DEC2024	1	4	1	3	541	2	An unknown amount of natural gas released into the restaurant caused an explosion. After further investigation, it was determined the incident cause was due to kitchen equipment modifications made by the restaurant. Pipeline has been ruled out as the cause. Restaurant was evacuated at time of occurrence while customers and employees were present; Pipeline was shut off and locked out of service. Two citizens sustained minor injuries.	56
9	1971	32	19AUG2024	1	2	1	1	79	2	Durham County - Chemical - Local FD notified Durham EM of a hazmat incident at 710 Burlington Ave, Durham, NC 27707. Occupant was trying to rid home of demons and mixed an unknown amount of chemicals - possibly moth balls, bleach, and ammonia - in the bathtub of the house. Durham Fire Department ventilated the house, neutralized, and drained the substance. Occupants (two) were transported to local hospital. No state resources requested. Responsible party has been notified of their cleanup requirements.	56
10	1190	32	08JAN2024	1	4	1	3	411	2	Around 0650, there was a small hydrogen explosion at the Wolfspeed facility. Two employees suffered facial burns and were evacuated by EMS. No fire hazards or any hazmat release off site. Call has been cleared. No assistance needed.	56

**Highlight incidents with injuries  $\geq 1$  in 2024**

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	ChPRS ID Number:	County:	Date of incident:	Total Number of Chemicals Spilled	Type of Release	What type of substance was involved?	What was the type of incident?	Substance 1	Total number of people injured:	Please provide a brief synopsis of the incident (ChPRS daily digest email body):
Row	total_injuries_in_2024									
11	1270	76	29MAY2024	1	1	1	2	269	2	5/29- Randolph County - chemical- Motor Vehicle Accident passenger car vs construction "safety" truck and tractor trailer. Diesel fuel spill of approximately 60 gallons to grass/soil on side of interstate. No waterways or storm drains impacted. Two patients were transported to Randolph Health. All North bound lanes were shut down until approximately 1450hrs. No state resources needed.
	56									
12	2010	41	31OCT2024	1	2	1	3	80	1	1330 pounds of anhydrous ammonia leaked due to a ruptured pipeline while a technician was working on repairs in a dairy processing plant. About 48 employees evacuated from the building 100 yards from site. One worker was injured, sent to a hospital, and released the next day. Emergency shut off was done to secure the release. Local FD, EMS were on the scene. No state resources requested.
	56									
13	1240	67	14MAY2024	2	2	1	2	860	1	5/14- Onslow County - chemical- State mission approved Tuesday (5/14) morning for chemical release of zinc ortho phosphate and sulfuric acid mixture from water treatment plant. As a precaution, evacuation of ½ mile was issued. Drinking water was tested and confirmed to be safe. Chemical release was not related to water quality. Off gassing was conducted by NCRRT-2 with air monitoring overnight. As of morning of 5/15, air monitoring indicates zero detection. State mission likely to be wrapped up today. No other state resources were requested; however, PHP&R continued to monitor situation and communicated with Local Health Department.
	56									
14	2017	26	21OCT2024	1	1	1	2	269	1	NCRRT-3 is responding in reference to a large fuel leak from a traffic incident. Intersection closed for hours. No state resources requested.
	56									
15	2023	60	30SEP2024	1	1	1	3	676	1	Due to equipment failure of a forklift, 1 quart of ethylene glycol was released to the ground and sprayed an employee in the face and arms resulting in burns. Employee was transported to hospital and clean up conducted by other company employees. No state resources requested.
	56									

**Highlight incidents with injuries  $\geq 1$  in 2024**

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	ChPRS ID Number:	County:	Date of incident:	Total Number of Chemicals Spilled	Type of Release	What type of substance was involved?	What was the type of incident?	Substance 1	Total number of people injured:	Please provide a brief synopsis of the incident (ChPRS daily digest email body):
Row	total_injuries_in_2024									
16	1226	83	18APR2024	3	1	1	2	380	1	4/18- Scotland County - chemical- Scotland Co Emergency Management reported a multivehicle (Tractor Trailer, Dump Truck, Car) accident at the Highland Rd Bridge over Interstate 74 in Laurinburg. I-74 is currently shut down east and west bound with no estimated restoration time. The wreck sparked a fire which is burning the vehicles and the fire has severely impacted the Highland Rd bridge. The LEMC is currently working with NCDOT and Laurinburg FD on arranging an environmental rehab due to the extensive amount of fuel and other chemicals that have spread across the incident. Large quantity of firefighting foam (likely PFAS containing AFFF) used for this incident. No state resources requested.
	56									
17	2027	7	18SEP2024	1	2	1	3	201	1	Local water treatment plant individuals loaded sodium hypochlorite in the wrong tank, causing a production of chlorine gas. State Mission granted with NCRRT-1 responding. Local businesses and homes were evacuated for around 4 hours. No additional state resources requested.
	56									
18	2026	45	18SEP2024	1	1	1	2	111	1	Multi vehicle accident involving truck carrying a tank of petroleum based paving product. Large quantity of substance spilled from the tank on to the interstate. Spill was contained by responding fire departments and DOT. EB lanes shut down for half the day. WB lanes are open in the area. Clean up is underway by NCDOT and DOT contractor. No state resources requested.
	56									
19	1978	80	30AUG2024	4	1	1	3	541	1	CALLER REPORTED THAT A WATER TANK AT AN ADHESIVE FACILITY BLEW UP FOR UNKNOWN REASONS, RUPTURING A 2.5 INCH NATURAL GAS LINE WHICH EXPLODED, WHICH THEN RUPTURED ADDITIONAL CHEMICAL TANKS RELEASING UNKNOWN AMOUNTS OF SODIUM HYDROXIDE, METHYL ACRYLIC, AND DIESEL. CALLER DIDN'T KNOW YET WHAT POSSIBLE MEDIUMS OR WATERWAYS WERE AFFECTED AT THIS TIME. RRT 7 clearing the scene, local resources remaining on scene, DWQ on scene, clear up company enroute. All the chemicals were neutralized. One injured person was treated and released from the hospital
	56									

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Row	ChPRS ID Number:	County:	Date of incident:	Total Number of Chemicals Spilled	Type of Release	What type of substance was involved?	What was the type of incident?	Substance 1	Total number of people injured:	Please provide a brief synopsis of the incident (ChPRS daily digest email body):
	total_injuries_in_2024									
20	1970	36	19AUG2024	1	1	1	2	269	1	Gaston County - Chemical - A motor vehicle accident on I-85 southbound involving 3 vehicles to include 1 tractor trailer, a straight truck and a privately owned sedan. Both trucks saddle tanks ruptured causing approximately 90% of their fuel to leak onto the interstate. The fuel is mostly contained to the outside emergency lane. The fuel stopped prior to the South Fork River bridge. No fuel made it into the river. Cleanup operations were conducted by a third party contractor. The driver of the tractor trailer was taken to hospital. The #2 and #3 travel lane were closed between mile marker 24 and 23 while cleanup was in progress. No other state agencies requested.
	56									
21	1213	10	29FEB2024	1	4	1	4	541	1	Brunswick County EM reported that while doing maintenance on a 6 inch gas main, 1 worker was hurt when residual gas exploded as the pipe was being welded. The worker refused medical attention. No damage to any structures. No state resources were requested.
	56									
22	1239	14	14MAY2024	1	1	1	2	269	1	5/14- Caldwell County - chemical- Local Fire Department, EMS, State Highway Patrol, and EM responded to a reported MVA involving a tractor trailer and a passenger vehicle. The collision resulted in approximately 300 gallons of diesel fuel being spilled from a ruptured fuel tank. Road closure. STAT responded and removed spilled fuel. DOT also responded to assist in operation. No state resources requested.
	56									
23	2019	34	10OCT2024	1	1	1	2	269	1	A motor vehicle accident between a tractor trailer and passenger car caused a diesel spill. Approximately 200 gallons of diesel spilled onto the highway, some reaching the side of the road, where environmental cleanup was conducted. No state resources requested.
	56									
24	1253	81	15MAR2024	1	1	1	2	269	1	3/15- Rutherford County - chemical- MVC involving an 18 wheeler. Same is in the Second Broad River. Swift water team was deployed to get driver out of the truck. Hazmat and Sandy Mush Fire Department on scene working on booming the river due to diesel fuel leaking from tractors tanks. Road closed. Truck was also hauling fertilizer (unknow amount).
	56									

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Row	ChPRS ID Number:	County:	Date of incident:	Total Number of Chemicals Spilled	Type of Release	What type of substance was involved?	What was the type of incident?	Substance 1	Total number of people injured:	Please provide a brief synopsis of the incident (ChPRS daily digest email body):
	<b>total_injuries_in_2024</b>									
25	1252	90	08MAY2024	1	1	1	2	269	1	5/8- Union County - chemical- Union County EM responded for tractor trailer front cab only accident. Estimated 25-50-gallon diesel fuel loss from saddle tanks that leaked into side highway ditch, that potentially drains to Goose Creek. Hepaco environmental notified for cleanup. Hazmat on scene. NC Hwy Patrol on scene. No state resources requested.
	56									
26	2013	26	27OCT2024	2	2	1	3	541	1	One person found deceased in a condo following a gas leak. Elevated levels of Carbon monoxide were found throughout the building. All condo units were evacuated and hazmat teams were on site.
	56									
27	1245	74	17MAY2024	1	1	1	2	81	1	5/17- Pitt County - chemical- Pitt Co EM is requesting a State Mission for a Tanker Truck involved in a MVA that is actively leaking a substance (ammonium nitrate emulsion). NCRRT-1 Auto dispatched. RRT-1 made entry into vehicle and secured chemicals, including diesel fuel leak from saddle tanks, hydraulic leak. Local FD and EMS evacuated 5 homes within the isolation distance. Residence were relocated to local Fire Department. Residents have been allowed to return to their homes after several hours. Clean up operations continue with NCSHP, NCDOT, local EM and FD. No state resources requested.
	56									
28	1233	34	02MAY2024	2	1	1	2	269	1	5/3- Forsyth County - chemical- Dump truck traveling south on 52 crashed off highway in wood flipping over. Driver taken to hospital with minor injuries. Truck spilled approximately 30 gallons of fuel in addition to oil. Lane closure. No state resources requested.
	56									
29	1962	71	08AUG2024	1	1	1	2	269	1	An overturned 18-wheeler with a saddle tank was leaking approximately 100 gallons of fuel into a ditch. Booms have been placed, and Phillips towing responded for the fuel, truck, and trailer.
	56									
30	1191	91	17JAN2024	1	2	1	1	188	1	NRC forwarded a report from PSNC that there was one fatality involved during a carbon monoxide incident at an apartment building. Local FD responded, the building was evacuated, the release was secured, and the building was ventilated.
	56									

**Highlight incidents with injuries  $\geq 1$  in 2024**

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	ChPRS ID Number:	County:	Date of incident:	Total Number of Chemicals Spilled	Type of Release	What type of substance was involved?	What was the type of incident?	Substance 1	Total number of people injured:	Please provide a brief synopsis of the incident (ChPRS daily digest email body):
Row	total_injuries_in_2024									
31	1268	36	06MAR2024	1	1	1	3	732	1	3/6- Gaston County - chemical - Local EM reported a worker at Lubrizol company on top of the railcar unloading it was splashed on his face by styrene chemical from a hose that broke. Local fire department responded to secure the release and assisted EMS with patient care. Subject was transported to local hospital for treatment. No state resources were requested.
	56									
32	1236	26	30APR2024	1	1	1	3	79	1	4/30- Cumberland County - chemical- NCRRT-3 responding on a local mission for an employee (Hexion Chemical) burned by an ammonia spill. No other information available. No state resources requested.
	56									
33	1993	60	10DEC2024	2	1	1	2	269	1	65 gallons of diesel fuel & 10 to 20 gallons of hydraulic oil released from a tractor-trailer due to an motor vehicle accident on I-485 S. A portion of the the release entered a tributary of Sugar Creek. Cleanup operations underway by certified hazmat contractor. One fatality reported.
	56									

**Appendix**  
**Total number of chemicals per incident**

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Number of Variable Levels		
Variable	Label	Levels
tot_chem	Total Number of Chemicals Spilled	4

Total Number of Chemicals Spilled		
tot_chem	Frequency	Percent
1	322	94.99
2	12	3.54
3	4	1.18
4	1	0.29



**Appendix**  
**Total number of injuries per incident**

Number of Variable Levels		
Variable	Label	Levels
tot_vict	Total number of people injured:	6

Total number of people injured:		
tot_vict	Frequency	Percent
0	306	90.27
1	22	6.49
2	6	1.77
3	3	0.88
5	1	0.29
8	1	0.29

**Appendix**  
**Count total number of injuries >=1 in 2024**

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chprs_id	county	date	tot_chem	relistyp	sub_typ	location	sub1	tot_vict
1190	32	08JAN2024	1	4	1	3	411	2
1191	91	17JAN2024	1	2	1	1	188	1
1213	10	29FEB2024	1	4	1	4	541	1
1268	36	06MAR2024	1	1	1	3	732	1
1253	81	15MAR2024	1	1	1	2	269	1
1226	83	18APR2024	3	1	1	2	380	1
1280	92	19APR2024	1	1	1	3	413	8
1236	26	30APR2024	1	1	1	3	79	1
1233	34	02MAY2024	2	1	1	2	269	1
1252	90	08MAY2024	1	1	1	2	269	1
1248	36	10MAY2024	2	1	1	2	269	3
1250	85	13MAY2024	1	1	1	1	380	2
1239	14	14MAY2024	1	1	1	2	269	1
1240	67	14MAY2024	2	2	1	2	860	1
1245	74	17MAY2024	1	1	1	2	81	1
1270	76	29MAY2024	1	1	1	2	269	2
1960	18	30JUL2024	1	2	1	3	418	5
1962	71	08AUG2024	1	1	1	2	269	1
1965	41	12AUG2024	1	2	1	1	188	3
1967	44	14AUG2024	1	1	1	3	719	2
1971	32	19AUG2024	1	2	1	1	79	2
1970	36	19AUG2024	1	1	1	2	269	1
1978	80	30AUG2024	4	1	1	3	541	1
2026	45	18SEP2024	1	1	1	2	111	1
2027	7	18SEP2024	1	2	1	3	201	1
2023	60	30SEP2024	1	1	1	3	676	1
2019	34	10OCT2024	1	1	1	2	269	1

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chprs_id	county	date	tot_chem	relstyp	sub_typ	location	sub1	tot_vict
2017	26	21OCT2024	1	1	1	2	269	1
2013	26	27OCT2024	2	2	1	3	541	1
2010	41	31OCT2024	1	2	1	3	80	1
2008	60	11NOV2024	1	5	1	2	269	3
1993	60	10DEC2024	2	1	1	2	269	1
1989	13	23DEC2024	1	4	1	3	541	2
								56

## Incidents by complete substance list

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Number of Variable Levels				
Variable	Label	Levels	Missing Levels	Nonmissing Levels
sub1	Substance 1	48	1	47
sub1_oth	Other and/or describe (please specify):	23	1	22
sub2	Substance 2	10	1	9
sub_typ	What type of substance was involved?	1	0	1

# Incidents by complete substance list

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sub1	sub1_oth	sub2	sub_typ	Frequency	Percent
.	Hydrochloric acid	.	1	18	5.31
.	Acetonitrile	.	1	6	1.77
.	Ethyl acetate	.	1	3	0.88
.	Hexanes	.	1	3	0.88
.	Acetic acid, glacial	.	1	2	0.59
.	5-Methylhexan-2-one	.	1	1	0.29
.	Ammonium hydrogendifluoride	.	1	1	0.29
.	Calcium hypochlorite	.	1	1	0.29
.	Chlorotoulene	.	1	1	0.29
.	Ethyl methyl ketone	.	1	1	0.29
.	Formic acid (<10% by mass)	.	1	1	0.29
.	Lithium hydroxide	.	1	1	0.29
.	Methyl ethyl ketone	.	1	1	0.29
.	Methyl tert-butyl ether	.	1	1	0.29
.	N,N-dimethylformamide	.	1	1	0.29
.	Round Up Glyphosate	.	1	1	0.29
.	Sodium bisulfite	.	1	1	0.29
.	Sodium carbonate peroxyhydrate	.	1	1	0.29
.	Trichloroethylene	.	1	1	0.29
.	chloropicrin	.	1	1	0.29
.	muriatic acid	.	1	1	0.29
269		.	1	65	19.17
269		460	1	4	1.18
269		376	1	1	0.29
269		380	1	1	0.29
269		862	1	1	0.29
719		.	1	51	15.04
541		.	1	33	9.73

# Incidents by complete substance list

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sub1	sub1_oth	sub2	sub_typ	Frequency	Percent
541		188	1	1	0.29
541		719	1	1	0.29
419		.	1	17	5.01
743		.	1	9	2.65
80		.	1	8	2.36
201		.	1	7	2.06
201	TRICHLOROISOCYANURIC ACID	.	1	1	0.29
694		.	1	8	2.36
460		.	1	6	1.77
460		269	1	1	0.29
188		.	1	6	1.77
380		.	1	4	1.18
380		460	1	1	0.29
380		269	1	1	0.29
330		.	1	5	1.47
656		.	1	5	1.47
664		.	1	5	1.47
496		.	1	4	1.18
53		.	1	3	0.88
111		.	1	2	0.59
111		269	1	1	0.29
545		.	1	3	0.88
79		.	1	2	0.59
81		.	1	1	0.29
81		112	1	1	0.29
363		.	1	1	0.29
363		269	1	1	0.29
418		.	1	2	0.59

# Incidents by complete substance list

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sub1	sub1_oth	sub2	sub_typ	Frequency	Percent
676		.	1	2	0.59
688		.	1	2	0.59
848		.	1	2	0.59
6		.	1	1	0.29
82		.	1	1	0.29
135		.	1	1	0.29
208		.	1	1	0.29
374		.	1	1	0.29
411		.	1	1	0.29
413		.	1	1	0.29
415		.	1	1	0.29
459		.	1	1	0.29
558		.	1	1	0.29
592		.	1	1	0.29
630		.	1	1	0.29
631		.	1	1	0.29
720		.	1	1	0.29
732		.	1	1	0.29
735		.	1	1	0.29
785		.	1	1	0.29
856		.	1	1	0.29
858		.	1	1	0.29
859		.	1	1	0.29
860		743	1	1	0.29
863		.	1	1	0.29