

Dictionary for NTSIP Public Use Data 2010

This is the data dictionary for the 2010 public use dataset of ATSDR's National Toxic Substance Incidents Program (NTSIP).

*******When printing this document it is recommended that the layout orientation be changed to landscape.*******

This document provides users with information for using the NTSIP public use dataset. The data are related to events that occurred in the 7 states in 2010. Seven states participated in NTSIP 2010: Louisiana, North Carolina, New York, Oregon, Tennessee, Utah, and Wisconsin.

NTSIP states use a variety of available data sources and reporting procedures to complete the incident form. Aggregating data across states and across incidents should be interpreted with caution.

The public use dataset in text format contains tab delimited fields. The file contains 2,981 records, 86 variables, and a maximum record length of 791.

All data files contain one line of data for each event reported to NTSIP. If the total number of chemicals in an event exceeds six, then only the first six are listed. A victim is defined as a person experiencing at least one documented adverse health effect (such as respiratory irritation or chemical burns) that likely resulted from the event and occurred within 24 hours of the release. The NTSIP system does not identify the immediate cause of the adverse health effect other than the event itself. To determine the nature of victim injuries, state coordinators selected up to 7 entries among trauma, respiratory irritation, eye irritation, nausea or vomiting, heat stress, burns, skin irritation, dizziness or other CNS symptoms, and headache. Therefore, the number of injuries per event is likely to exceed the number of victims.

State coordinators could select up to two categories to describe the type of area where the event occurred, type of fixed-facility for fixed-facility events, and type of transportation for transportation events.

The Federal Information Processing Standard (FIPS) is used to represent county codes that are unique within each state. Pre-appended 2-digit FIPS state codes are provided to form the complete FIPS county code. Some events may lack the three digit county code because no county is listed for that particular event. A list of state and county FIPS codes for the United States can be found at the following website:

<http://www.epa.gov/enviro/html/codes/state.html>.

Industry codes for the type of industry location for each NTSIP event was assigned according to the 2002 North American Industry Classification System (NAICS) of the U.S. Census Bureau (Bureau of the Census). The industry code provided is a 2-3 digit NAICS code in the possible 6-digit hierarchy. Details regarding NAICS codes can be found at: <http://www.census.gov/epcd/naics02/naicod02.htm>

A description of chemical categories and the hierarchical assignment are provided (see Chemical Category Definitions document).

Variable	Position	Type	Length	Description	Value
RCD_ID	1	NUM	8	Sequential record number	A number
STATE	2	CHAR	2	State where event occurred	LA = Louisiana NC = North Carolina NY = New York OR = Oregon TN = Tennessee UT = Utah WI = Wisconsin
EVNTCNTY	3	CHAR	30	County where event occurred	Text string
FIPSCODE	4	CHAR	5	Five digit FIPS county code	See http://www.epa.gov/enviro/html/codes/state.html
EVNTTYPE	5	CHAR	1	Type of event	T = Transportation F = Fixed facility
NOTF_TYP	6	CHAR	1	Who notified the health department? Primary source	0 = Media 1 = On scene commander/incident commander or staff (e.g., fire, p
NOTF__2_TYP	7	CHAR	1	Supplementary source	2 = Health agency other than the state health dept 4 = Environmental department or division 5 = Emergency government/emergency services 6 = Citizen or citizen's group 7 = Owner/operator of facility, vehicle, or vessel 8 = Other 9 = Unknown (not to be used past 12/31/2012) A = DOT/HMIS B = Other government agency C = Other program within state health department

					D = Hospital or Hospital dataset E = Poison Control Center F = National Response Center G = ACE team
NOTF_THR	8	CHAR	50	Primary source ID in other database	A text string
NOTF_2_THR	9	CHAR	50	Supplementary source ID in other database	A text string
THRFACTU	6	CHAR	1	Was the release actual or threatened	1 = All actually released into the environment 2 = All threatened to be released into the environment 3 = Some actually and some threatened to be released
YEAR	7	CHAR	4	Year when event occurred	2010
SEASON	8	CHAR	1	Season when event occurred	W = Winter (December, January, February) S = Spring (March, April, May) U = Summer (June, July, August) F = Fall (September, October, November)
WEEKDAY	9	CHAR	1	Portion of week when event occurred	Y = Weekday (Monday – Friday) N = Weekend (Saturday – Sunday)
TIME	10	CHAR	1	Time range that event occurred	D = 06:00 – 17:59 pm N = 18:00 – 05:59 pm
AREATYP1	11	CHAR	1	Description one of type of area where event occurred	0 = Undeveloped 1 = Industrial 2 = Commercial 3 = Residential 4 = Agriculture A = Military facility/DOE/DOD C = Recreational
AREATYP2	12	CHAR	1	Description two of type of area where event occurred	(Codes are the same as AREATYP1)
AREA_RES	13	CHAR	1	Residential area within ¼ mile of event	1 = Yes 2 = No
PRIM_FACT	14	CHAR	1	First contributing factor	2 = Equipment failure

SEC_FACT	15	CHAR	1	Secondary contributing factor	3 = Operator Error 8 = Other G = Intentional H = Bad weather condition S = Illegal act
PRIM_SPECIFY	16	CHAR	1	Primary factor specify	1=Improper mixing 4=Improper filling, loading, or packing 8=Other A=Performing maintenance B=System/process upset C=System start up and shutdown E=Power failure/electrical problems F=Unauthorized/improper dumping I=Vehicle or vessel collision J=Fire K=Explosion L=Overspray/misapplication O=Load shift P=Vehicle or vessel derailment/rollover/capsizing; Q=Illicit drug production related N=No secondary factor R=Forklift puncture V=Vandalism
SEC_SPEFICY	17	CHAR	1	Secondary factor specify	
FIXTYPE1	18	CHAR	1	Fixed facility type one Pertains only to incidents in the industry NAICS categories 21=Mining; 22=Utilities; or 31, 32, 33=Manufacturing	0 = Transportation within a fixed facility 2 = Process vessel 3 = Piping 4 = Material handling area 5 = Storage area above ground 6 = Storage area below ground 7 = Dump/waste area 8 = Other A = Ancillary process equipment B = Transformer or capacitor C = Incinerator

					D = Heating/Cooling for building J = Laboratory
FIXTYPE2	19	CHAR	1	Fixed facility type two	(Codes are the same as FIXTYPE1)
TRNTYPE1	20	CHAR	1	Transportation type one	2 = Ground 3 = Rail 4 = Water 5 = Air 6 = Pipeline
TRNTYPE2	21	CHAR	1	Transportation type two	(Codes are the same as TRNTYPE1)
NAICS	22	CHAR	3	2-3 digit NAICS code for event location	NAICS – North American Industry Classification System: available at http://www.census.gov/epcd/naics02/naicod02.htm or A98=Not an industry; A99=Not identified
NAICS_DESC	23	CHAR	200	NAICS description assigned to the NAICS 2-3 digit code	Census assigned code description: details available at http://www.census.gov/epcd/naics02/naicod02.htm
LIVEQTR	24	NUM	8	Number of people living within ¼ mile of event	A number
EVAC_ORD	25	CHAR	1	Evacuation ordered	Y = Yes N = No
EVAC_PPL	26	NUM	8	Total number of people evacuated as a result of the event	A number
SHLT_ORD	27	CHAR	1	In-place sheltering ordered	Y=Yes N=No
DCON_SCTOTR	28	NUM	8	Rang of number of people decontaminated at the scene	0 = 0 1 = 1 - 5 2 = 6 - 20 3 = 21 - 50 4 = 51 - 100 5 = 101 - 500 6 = 501 - 1000

					= 7 > 1000 =
DCON_MFTOTR	29	NUM	8	Rang of number of people decontaminated at a medical facility	0 = 0 1 1 - 5 = 1 - 5 2 6 - 20 = 6 - 20 3 21 - 50 = 21 - 50 4 51 - 100 = 51 - 100 5 101 - 500 = 101 - 500 6 501 - 1000 = 501 - 1000 7 > 1000 = > 1000
TOT_CHEM	30	NUM	8	Total number of chemicals spilled	A number
SUB_CAT	31	CHAR	2	Substance category	(see Chemical Category Definitions) 1 = Acid 2 = Ammonia 3 = Bases 4 = Chlorine 5 = Other inorganic substances category 6 = Paints and dyes 7 = Pesticides/Agricultural 8 = Polychlorinated Biphenyls 9 = Volatile Organic Compounds 10 = Other substance category not listed 12 = Mixture across chemical categories A = Formulations B = Hetero-Organics C = Hydrocarbons D = Oxy-Organic E = Polymers

					88 = Multiple substance categories
CHEM1	32	CHAR	70	Chemical name one	Text string
CHM_QCAT1	33	CHAR	1	Category for the amount of Chemical #1	B=1-<10 C=10-<100 D=100-<500 E=500-<1,000 F=1,000-<10,000 G=10,000+
CHM_UNIT1	34	CHAR	1	Unit of measure for the amount of Chemical #1	1=Pounds 2=Kilograms 3=Gallons 4=Liters 5=Cubic feet 6=Ounces by volume 7=Milliliters 8=Pico curies A=Tons B=Ounces by weight C=ppm (parts per million)
RELS1CHEM1	35	CHAR	1	First type of release for Chemical #1	1 = Spill 2 = Air Emission 3 = Fire 4 = Explosion 7 = Threatened
RELS2CHEM1	36	CHAR	1	Second type of release for Chemical #1	(Codes are the same as RELS1CHEM1)
CHEM2	37	CHAR	70	Chemical name two	Text string
CHM_QCAT2	38	CHAR	1	Category for the amount of Chemical #2	(Codes are the same as CHM_QCAT1)
CHM_UNIT2	39	CHAR	1	Unit of measure for the amount of Chemical #2	(Codes are the same as CHM_UNIT1)
RELS1CHEM2	40	CHAR	1	First type of release for chemical #2	(Codes are the same as RELS1CHEM1)
RELS2CHEM2	41	CHAR	1	Second type of release for chemical #2	(Codes are the same as RELS1CHEM1)
CHEM3	42	CHAR	70	Chemical name three	Text string
CHM_QCAT3	43	CHAR	1	Category for the amount of Chemical #3	(Codes are the same as CHM_QCAT1)

CHM_UNIT3	44	CHAR	1	Unit of measure for the amount of Chemical #3	(Codes are the same as CHM_UNIT1)
RELS1CHEM3	45	CHAR	1	First type of release for chemical #3	(Codes are the same as RELS1CHEM1)
RELS2CHEM3	46	CHAR	1	Second type of release for chemical #3	(Codes are the same as RELS1CHEM1)
CHEM4	47	CHAR	70	Chemical name four	Text string
CHM_QCAT4	48	CHAR	1	Category for the amount of Chemical #4	(Codes are the same as CHM_QCAT1)
CHM_UNIT4	49	CHAR	1	Unit of measure for the amount of Chemical #4	(Codes are the same as CHM_UNIT1)
RELS1CHEM4	50	CHAR	1	First type of release for chemical #4	(Codes are the same as RELS1CHEM1)
RELS2CHEM4	51	CHAR	1	Second type of release for chemical #4	(Codes are the same as RELS1CHEM1)
CHEM5	52	CHAR	70	Chemical name five	Text string
CHM_QCAT5	53	CHAR	1	Category for the amount of Chemical #5	(Codes are the same as CHM_QCAT1)
CHM_UNIT5	54	CHAR	1	Unit of measure for the amount of Chemical #5	(Codes are the same as CHM_UNIT1)
RELS1CHEM5	55	CHAR	1	First type of release for chemical #5	(Codes are the same as RELS1CHEM1)
RELS2CHEM5	56	CHAR	1	Second type of release for chemical #5	(Codes are the same as RELS1CHEM1)
CHEM6	57	CHAR	70	Chemical name six	Text string
CHM_QCAT6	58	CHAR	1	Category for the amount of Chemical #6	(Codes are the same as CHM_QCAT1)
CHM_UNIT6	59	CHAR	1	Unit of measure for the amount of Chemical #6	(Codes are the same as CHM_UNIT1)
RELS1CHEM6	60	CHAR	1	First type of release for chemical #6	(Codes are the same as RELS1CHEM1)
RELS2CHEM6	61	CHAR	1	Second type of release for chemical #6	(Codes are the same as RELS1CHEM1)
TOT_VICT	62	NUM	8	Total number of victims of the event	A number
TOT_FATAL	63	NUM	8	Total number of fatality in the event	A number
AGE_CAT1	64	NUM	8	Number of victim under 18 years old	A number
AGE_CAT2	65	NUM	8	Number of victim older than 18.	A number
VICT_EMP	66	NUM	8	Number of employee victims	A number
VICT_RESP	67	NUM	8	Number of responder victims	A number
VICT_GP	68	NUM	8	Number of general public victims	A number
VICT_STD	69	NUM	8	Number of student victims	A number
INJ_TRA	70	NUM	3	Number of victims with trauma injuries	A number
INJ_RESP	71	NUM	3	Number of victims with respiratory system irritation	A number

INJ_EYE	72	NUM	3	Number of victims with eye irritation	A number
INJ_GASTRO	73	NUM	3	Number of victims with gastrointestinal problems	A number
INJ_HEAT	74	NUM	3	Number of victims with heat stress injuries	A number
INJ_BURN	75	NUM	3	Number of victims with burn injuries	A number
INJ_SKIN	76	NUM	3	Number of victims with skin irritation injuries	A number
INJ_CNS	77	NUM	3	Number of victims with dizziness or other CNS symptoms	A number
INJ_HACHE	78	NUM	3	Number of victims with headaches	A number
INJ_HRT	79	NUM	3	Number of victims with heart problems	A number
INJ_SOB	80	NUM	3	Number of victims with shortness of breath	A number
SEV_HOSPA	81	NUM	8	Number of victims where injury severity required treatment at hospital and admittance	A number
SEV_HOSPR	82	NUM	8	Number of victims where injury severity required treatment at hospital without being admitted or victim was transported to hospital for observation with no treatment	A number
SEV_NHOSP	83	NUM	8	Number of victims where injury severity required treatment on the scene (first aid); or victim was seen by a private physician within 24 hrs; or injuries were experienced within 24 hrs of the event and reported by an official	A number
VDCON_SN	84	NUM	8	Number of injured people decontaminated at the scene	A number
VDCON_MF	85	NUM	8	Number of injured people decontaminated at a medical facility	A number
VDCON_BOTH	86	NUM	8	Number of injured people	A number

				decontaminated at both the scene and a medical facility	
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