

Explanation of Data Elements in NATA Files

Emissions files:

2011 NATA emissions by county: emis_county_2011nata_10Dec15.zip

2011 NATA emissions by county and pollutant for NATA source groups

- Emissions are in tons per year (tpy)
- All source group are those used in the cancer risk by source group summary other than fires which is broken out into wildfires, prescribed burning and agricultural burning
- A cross walk between the source groups and 2011 NEI inventory SCCs and sectors is available in Appendix D of the TSD and in the “SupplementalData” folder accompanying the TSD
- Pollutants that were modeled as groups are presented both in the pre-grouped form by NEI pollutant code and are also summed up in their NATA pollutant group (thus in the summaries they are double counted).

2011 NATA emissions by facility: emis_facility_2011nata_10Dec15.zip

Facility level emissions used in the 2011 NATA. Includes stationary point, airports and rail yard facilities.

- Emissions are in tons per year (tpy)
- Data sources indicate the source of the emission estimates. EPA emission estimates are represented by the following data sources: 2011 EPA EGUs, 2011EPA_chrom_split, 2011EPA_Other, 2011EPA_Airports, 2011EPA_HAP-Aug, 2011EPA_CarryForward, 2011EPA_Rail, 2011EPA_TRI
 - These are described in the 2011 NEI v2 documentation at <http://www3.epa.gov/ttn/chief/eiinformation.html>. Note that the 2011EPA_chrom_split dataset is chromium data submitted by State, local and tribal agencies and speciated by EPA as part of the 2011 NEI development.
 - The agency names associated with the S/L/T data sources are provided in the table below.

2011 NATA emissions by facility release: emis_facility_release_Regions1_5_2011nata_10Dec15.zip

Release Point-level emissions for facilities in the emissions by facility file 2011 NATA for the facilities included in the 2011 NATA.

- Emissions are in tons per year (tpy)
- HEM source id is a uniquely assigned id to the release point at the source.
- HEM release type:
 - “A” means the source at the facility is modeled as an area source – fugitive parameters used are fugitive length, fugitive height, fugitive angle and are provided in subsequent columns.
 - “P” means it is modeled as a point source – stack parameters are provided in subsequent columns.

Data Sources (used in 2011 NATA emissions by facility)

DATA_SET_SHORT_NAME	DATA_SET_NAME
2011EPA_CMVLADCO	2011EPA_CMVLADCO
2011 EPA EGUs	2011EPA_EGU
2011 EPA Landfills	2011EPA_LF
2011 NCD Test	NCDTestData
2011ADEM	Alabama Department of Environmental Management
2011AKDEC	Alaska Department of Environmental Conservation
2011ARDEQ	Arkansas Department of Environmental Quality
2011AS	American Samoa
2011AZDEQ	Arizona Department of Environmental Quality
2011Albuqu	City of Albuquerque
2011Alleg	Allegheny County Health Department
2011Broward	Broward County DPEP
2011Buncombe	Western North Carolina Regional Air Quality Agency (Buncombe Co.)
2011CARB	California Air Resources Board
2011CAwMOVES	2011_CA_wMOVES
2011CODPHE	Colorado Department of Public Health and Environment
2011CTBAM	Connecticut Department Of Environmental Protection
2011Catawba	Catawba Indian Nation, South Carolina
2011Chattan	Chattanooga Air Pollution Control Bureau (CHCAPCB)
2011Cherokee	Cherokee Nation, Oklahoma
2011ClarkCty	Clark County Department of Air Quality and Environmental Management
2011DDOE	DC Department of Health Air Quality Division
2011DEDNR	Delaware Department of Natural Resources and Environmental Control
2011EPAMOBILE	2011_EPA_Mobile
2011EPAMOVES2014	2011_EPA_MOVES2014
2011EPA_AgBurningSF2	2011EPA_AgBurningSF2
2011EPA_Airports	2011EPA_Airports
2011EPA_BOEM	2011EPA_BOEM
2011EPA_CAmodelerdat	2011EPA_CAmodelerdata
2011EPA_CMV	2011EPA_CMV
2011EPA_CarryForward	2011EPA_CarryForward-PreviousYearData
2011EPA_Event	2011EPA_Event
2011EPA_HAP-Aug	2011EPA_HAP-Augmentation
2011EPA_NP_Mercury	2011EPA_NP_Mercury
2011EPA_NP_NoOvrlp	2011EPA_NP_NoOverlap_w_Pt
2011EPA_NP_Ovrlp	2011EPA_NP_Overlap_w_Pt
2011EPA_Other	2011EPA_Other
2011EPA_PM-Aug	2011EPA_PM-Augmentation
2011EPA_Rail	2011EPA_Rail
2011EPA_TRI	2011EPA_TRI
2011EPA_biogenics	2011EPA_biogenics
2011EPA_chrom_split	2011EPA_chrom_split
2011FLDEP	Florida Department of Environmental Protection
2011Forsyth	Forsyth County Environmental Affairs Department
2011GADNR	Georgia Department of Natural Resources
2011Guam	Guam
2011HIDOH	Hawaii Department of Health Clean Air Branch
2011Huntsville	City of Huntsville Division of Natural Resources and Environmental Mgmt
2011IADNR	Iowa Department of Natural Resources
2011IDDEQ	Idaho Department of Environmental Quality
2011ILEPA	Illinois Environmental Protection Agency
2011INDEM	Indiana Department of Environmental Management
2011JeffCty	Jefferson County (AL) Department of Health
2011KSDOHE	Kansas Department of Health and Environment
2011KYDAQ	Kentucky Division for Air Quality
2011KnoxCty	Knox County Department of Air Quality Management
2011LADEQ	Louisiana Department of Environmental Quality
2011Lane	Lane Regional Air Pollution Authority
2011Lincoln	Lincoln/Lancaster County Health Department
2011Louisville	Louisville Metro Air Pollution Control District
2011MADEP	Massachusetts Department of Environmental Protection
2011MDDOE	Maryland Department of the Environment

2011MEDEP	Maine Department of Environmental Protection
2011MIDEQ	Michigan Department of Environmental Quality
2011MNPCA	Minnesota Pollution Control Agency
2011MODNR	Missouri Department of Natural Resources
2011MSDEQ	Mississippi Dept of Environmental Quality
2011MTDEQ	Montana Department of Environmental Quality
2011Maricopa	Maricopa County Air Quality Department
2011Marshall_Is	Marshall Islands
2011MeckCty	Mecklenburg County Air Quality
2011Memphis	Memphis and Shelby County Health Department - Pollution Control
2011Micronesia	Federated States Of Micronesia
2011Minor_Is	U.S. Minor Outlying Islands
2011NCDAQ	North Carolina Department of Environment and Natural Resources
2011NDDOH	North Dakota Department of Health
2011NEDEQ	Nebraska Environmental Quality
2011NHDES	New Hampshire Department of Environmental Services
2011NJDEP	New Jersey Department of Environment Protection
2011NMED	New Mexico Environment Department Air Quality Bureau
2011NVBAQ	Nevada Division of Environmental Protection
2011NYDEC	New York State Department of Environmental Conservation
2011N_Mariana	Northern Mariana Islands
2011Nashville	Metro Public Health of Nashville/Davidson County
2011OHEPA	Ohio Environmental Protection Agency
2011OHRAPCA	Regional Air Pollution Control Agency
2011OKDEQ	Oklahoma Department of Environmental Quality
2011ORDEQ	Oregon Department of Environmental Quality
2011Olympic	Olympic Region Clean Air Agency
2011Omaha	Omaha Air Quality Control Division
2011PADEP	Pennsylvania Department of Environmental Protection
2011PAG	Pima Association of Governments
2011PR	Puerto Rico
2011Palau	Palau
2011Philly	Philadelphia Air Management Services
2011Pinal	Pinal County
2011Pinellas	Pinellas County Air Quality Division
2011PugetSound	Puget Sound Clean Air Agency
2011RIDEM	Rhode Island Department of Environmental Management
2011SCDHEC	South Carolina Department of Health and Environmental Control
2011SDDENR	South Dakota Department of Environment and Natural Resources
2011SWCAA	Southwest Clean Air Agency
2011TNDEC	Tennessee Department of Environmental Conservation
2011TR001	Eastern Band of Cherokee Indians
2011TR018	Penobscot Indian Nation
2011TR033	Mohegan Tribe of Indians of Connecticut
2011TR101	Confederated Tribes of the Colville Reservation, Washington
2011TR108	Makah Indian Tribe of the Makah Indian Reservation
2011TR123	Tulalip Tribes of Washington
2011TR124	Yakama Nation Reservation
2011TR143	Confederated Tribes of the Umatilla Reservation, Oregon
2011TR180	Shoshone-Bannock Tribes of the Fort Hall Reservation of Idaho
2011TR181	Coeur d'Alene Tribe
2011TR182	Nez Perce Tribe
2011TR183	Kootenai Tribe of Idaho
2011TR201	Blackfeet Tribe of the Blackfeet Indian Reservation of Montana
2011TR202	Crow Tribe
2011TR203	Confederated Salish & Kootenai Tribes
2011TR206	Assiniboine and Sioux Tribes of the Fort Peck Indian Reservation
2011TR207	Northern Cheyenne Tribe
2011TR281	Arapahoe Tribe of the Wind River Reservation
2011TR303	Spirit Lake Nation
2011TR380	Omaha Tribe of Nebraska
2011TR383	Winnebago Tribe of Nebraska
2011TR405	Fond du Lac Band of the Minnesota Chippewa Tribe
2011TR407	Leech Lake Band of Ojibwe Reservation
2011TR408	Mille Lacs Band of Ojibwe
2011TR409	Red Lake Band of Chippewa Indians, Minnesota
2011TR433	Oneida Nation of Wisconsin
2011TR434	Forest County Potawatomi Community
2011TR482	Little River Band of Ottawa Indians, Michigan
2011TR513	Cortina Band of Wintun Indians

2011TR549	Bishop Paiute Tribe
2011TR558	Blue Lake Rancheria
2011TR568	Cabazon Band of Cahuilla Mission Indians Reservation
2011TR577	LaPosta Band of Mission Indians
2011TR601	Yavapai-Apache Nation of the Camp Verde Indian Reservation, Arizona
2011TR604	Fort Mojave Indian Tribe Reservation
2011TR607	White Mountain Apache Tribe of the Fort Apache Reservation, Arizona
2011TR610	Tohono O'Odham Nation Reservation
2011TR614	Gila River Indian Community
2011TR615	Salt River Pima Maricopa Indian Community (SRPMIC)Environmental Protection & Natural
2011TR651	Resouces (EPNR)
2011TR651	Pyramid Lake Paiute Tribe of the Pyramid Lake Reservation, Nevada
2011TR672	Washoe Tribe of California and Nevada
2011TR707	Pueblo of Laguna, New Mexico
2011TR710	Pueblo of Pojoaque
2011TR715	Pueblo of Santa Ana, New Mexico
2011TR750	Southern Ute Indian Tribe
2011TR751	Ute Mountain Tribe of the Ute Mountain Reservation, Colorado, New Mexico, Utah
2011TR780	Navajo Nation
2011TR810	Kaw Nation of Oklahoma
2011TR821	Citizen Potawatami Nation, Oklahoma
2011TR822	Iowa Tribe of Oklahoma
2011TR823	Kickapoo Tribe of Oklahoma
2011TR862	Prairie Band of Potawatomi Indians
2011TR863	Sac and Fox Nation of Missouri in Kansas and Nebraska Reservation
2011TR920	Quapaw Tribe of Indians, Oklahoma
2011TXCEQ	Texas Commission on Environmental Quality
2011UTDAQ	Utah Division of Air Quality
2011VADEQ	Virginia Department of Environmental Quality
2011VI	Virgin Islands
2011VTDEC	Vermont Department of Environmental Conservation
2011WADOE	Washington State Department of Ecology
2011WIDNR	Wisconsin Department of Natural Resources
2011WVDAQ	West Virginia Division of Air Quality
2011WYDEQ	Wyoming Department of Environmenal Quality
2011WashoeCty	Washoe County Health District
2011_NVGLD	EPA NV Gold Mines
TR021	Seminole Tribe of Florida, Dania, Big Cypress, Brighton, Hollywood & Tampa Reservations
TR026	Miccosukee Tribe of Indians of Florida
TR102	Spokane Tribe of the Spokane Reservation, Washington
TR110	Nisqually Indian Tribe of the Nisqually Reservation, Washington
TR115	Puyallup Tribe of the Puyallup Reservation, Washington
TR117	Quinault Tribe of the Quinault Reservation, Washington
TR141	Confederated Tribes of the Grand Ronde Community of Oregon
TR142	Confederated Tribes of the Siletz Reservation, Oregon
TR145	Confederated Tribes of the Warm Springs Reservation of Oregon
TR204	Fort Belknap Indian Community of the Fort Belknap Reservation of Montana
TR205	Chippewa-Cree Indians of the Rocky Boy's Reservation, Montana
TR282	Shoshone Tribe of the Wind River Reservation, Wyoming
TR301	Three Affiliated Tribes of the Fort Berthold Reservation, North Dakota
TR302	Standing Rock Sioux Tribe of North & South Dakota
TR304	Turtle Mountain Band of Chippewa Indians of North Dakota
TR340	Cheyenne River Sioux Tribe of the Cheyenne River Reservation, South Dakota
TR342	Crow Creek Sioux Tribe of the Crow Creek Reservation, South Dakota
TR343	Lower Brule Sioux Tribe of the Lower Brule Reservation, South Dakota
TR344	Oglala Sioux Tribe of the Pine Ridge Reservation, South Dakota
TR345	Rosebud Sioux Tribe of the Rosebud Indian Reservation, South Dakota
TR346	Yankton Sioux Tribe of South Dakota
TR347	Sisseton-Wahpeton Sioux Tribe of the Lake Traverse Reservation, South Dakota
TR382	Santee Sioux Nation, Nebraska
TR400	Minnesota Chippewa Tribe, Minnesota
TR410	White Earth Band of the Minnesota Chippewa Tribe
TR440	Menominee Indian Tribe of Wisconsin
TR469	Sault Ste. Marie Tribe of Chippewa Indians of Michigan and Wisconsin
TR472	Saginaw Chippewa Indian Tribe of Michigan
TR479	Lac Vieux Desert Band of Lake Superior Chippewa Indians, Michigan
TR553	Tule River Indian Tribe of the Tule River Reservation, California
TR561	Hoopa Valley Tribe, California
TR569	Cahuilla Band of Mission Indians of the Cahuilla Reservation, California
TR578	Los Coyotes Band of Cahuilla Mission Indians of the Los Coyotes Reservation, California

TR582	Morongo Band of Cahuilla Mission Indians of the Morongo Reservation, California
TR590	Santa Rosa Band of Cahuilla Mission Indians of the Santa Rosa Reservation, California
TR603	Colorado River Indian Tribes of the Colorado River Indian Reservation, Arizona and California
TR606	Hualapai Indian Tribe of the Hualapai Indian Reservation, Arizona
TR608	Hopi Tribe of Arizona
TR616	San Carlos Apache Tribe of the San Carlos Reservation, Arizona
TR617	Kaibab Band of Paiute Indians of the Kaibab Indian Reservation, Arizona
TR687	Ute Indian Tribe of the Uintah & Ouray Reservation, Utah
TR692	Paiute Indian Tribe of Utah
TR696	Quechan Tribe of the Fort Yuma Indian Reservation, California & Arizona
TR701	Jicarilla Apache Nation, New Mexico
TR702	Mescalero Apache Tribe of the Mescalero Reservation, New Mexico
TR704	Pueblo of Cochiti, New Mexico
TR705	Pueblo of Isleta, New Mexico
TR708	Pueblo of Nambe, New Mexico
TR712	Pueblo of San Felipe, New Mexico
TR716	Pueblo of Santa Clara, New Mexico
TR721	Zuni Tribe of the Zuni Reservation, New Mexico
TR830	Alabama-Coushatta Tribes of Texas
TR861	Kickapoo Tribe of Indians of the Kickapoo Reservation in Kansas
TR980	Mississippi Band of Choctaw Indians, Mississippi

Risk Files

Nationwide Results

These files contain summaries of the 2011 NATA estimated cancer and noncancer risks at the national, state, county, and census tract levels for the entire US (50 states and Washington DC) as well as Puerto Rico and the US Virgin Islands. There are two types of summary files, one that breaks the risks down by pollutants and one that breaks the risk down by source group. For more details please see the 2011 NATA TSD.

National_CancerRisk_by_tract_poll.xlsx –

Columns “A” thru “F” provide geographic reference for that row

Columns “G” thru “S” break down the risk by HEM-3 run group, this information is most useful as a cross check of the overall risk results

Columns “T” provides the total cancer risk (expressed as risk in-1 million) for that geographic entity

Columns “U” thru “CM” provides the cancer risks by each of the 71 NATA carcinogenic pollutant

National_CancerRisk_by_tract_source.xlsx

Columns “A” thru “F” provide geographic reference for that row

Columns “G” provides the total cancer risk (expressed as risk in-1 million) for that geographic entity

Columns “H” thru “AU” provides the cancer risks by each of the NATA source groups (color coded as point, nonpoint, onroad mobile, nonroad mobile, primary biogenic, fires, secondary formations and background. The risks are also provided by 40 sub source groups of the above source groups.

National_Resp_by_tract_poll.xlsx

Columns “A” thru “F” provide geographic reference for that row

Columns “G” thru “S” break down the risk by HEM-3 run group, this information is most useful as a cross check of the overall risk results

Columns “T” provides the total noncancer respiratory risk (expressed as Respiratory Hazard Index (HI)) for that geographic entity

Columns “U” thru “BK” provides the cancer risks by each of the 43 NATA respiratory noncancer pollutants

National_Resp_by_tract_source.xlsx

Columns “A” thru “F” provide geographic reference for that row

Columns “G” provides the total noncancer respiratory risk (expressed as Respiratory Hazard Index (HI)) for that geographic entity

Columns “H” thru “AU” provides the noncancer respiratory risks by each of the NATA source groups (color coded as point, nonpoint, onroad mobile, nonroad mobile, primary biogenic, fires, secondary formations and background. The risks are also provided by 40 sub source groups of the above source groups.

Pollutant Specific Results

These Zipped MS Access files contain the ambient, exposure and risks associated with emissions of that specific pollutant

1_1_1-TRICHLOROETHANE.zip

Columns "1" thru "6" provide geographic reference for that row

Columns "7" provides the NATA pollutant name

Columns "8" thru "21" provides the ambient concentration in ug/m3 for each HEM-3 run group. Results are presented for state, county and tract level

Columns "22" thru "35" provides the exposure concentration in ug/m3 for each HEM-3 run group. Results are presented for state, county and tract level

Columns "36" thru "49" provides the cancer risk (in-1 million) for each HEM-3 run group. Results are presented for state, county and tract level

Columns "50" thru "63" provides the noncancer risk (hazard quotient (HQ)) for each target organ. Results are presented for state, county and tract level

State Summary Files

These Zipped MS Access files contain the ambient, exposure and risks associated for a given state.

ConcExpRisk_tract_poll_State_AK_09Dec15.zip

Columns "1" thru "5" provide geographic reference for that row

Columns "6" provides the NATA pollutant name

Columns "7" thru "20" provides the ambient concentration in ug/m3 for each HEM-3 run group. Results are presented for state, county and tract level

Columns "21" thru "34" provides the exposure concentration in ug/m3 for each HEM-3 run group. Results are presented for state, county and tract level

Columns "35" thru "48" provides the cancer risk (in-1 million) for each HEM-3 run group. Results are presented for state, county and tract level

Columns "49" thru "62" provides the noncancer risk (hazard quotient (HQ)) for each target organ. Results are presented for state, county and tract level