

Point (PT)**Transmittal (TR)**

Oracle to follow field name, type, and length; ascii all text and follow field positions and lengths.

Name	Type and length	NOF different from NIF3.0	Provide variable in Modeler's file?
RECORD_TYPE	VARCHAR2(2)		no
STATE_AND_COUNTY_FIPS_CODE	VARCHAR2(5)		YES
ORGANIZATION_NAME	VARCHAR2(80)		YES
TRANSACTION_TYPE	VARCHAR2(2)		no
INVENTORY_YEAR	NUMBER(4)		NO because it is 2002 for all records
INVENTORY_TYPE_CODE	VARCHAR2(10)		NO
TRANSACTION_CREATION_DATE	VARCHAR2(8)	*	no
INCREMENTAL_SUBMISSION_NUMBER	NUMBER(4)		no
RELIABILITY_INDICATOR	VARCHAR2(5)	*	no
TRANSACTION_COMMENTS	VARCHAR2(80)		no
CONTACT_PERSON_NAME	VARCHAR2(70)		no
CONTACT_PHONE_NUMBER	VARCHAR2(15)		no
TELEPHONE_NUMBER_TYPE_NAME	VARCHAR2(10)		no
ELECTRONIC_ADDRESS_TEXT	VARCHAR2(100)		no
ELECTRONIC_ADDRESS_TYPE_NAME	VARCHAR2(10)		no
SOURCE_TYPE	VARCHAR2(25)		NO - all values are "point"
AFFILIATION_TYPE	VARCHAR2(40)		NO
FORMAT_VERSION	NUMBER(4,1)		NO
TRIBAL_CODE	VARCHAR2(3)		YES
REVISION_DATE	VARCHAR2(8)		NO
AUGMENTED_DATA	VARCHAR2(55)		NO

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Point (PT)

Site (SI)

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Name	Type and length	NOF different from NIF3.0	Provide variable in Modeler's file?
RECORD_TYPE	VARCHAR2(2)		no
STATE_AND_COUNTY_FIPS_CODE	VARCHAR2(5)		yes
STATE_FACILITY_IDENTIFIER	VARCHAR2(15)		yes
FACILITY_REGISTRY_IDENTIFIER	VARCHAR2(12)		NO
FACILITY_CATEGORY	VARCHAR2(2)		yes
ORIS_FACILITY_CODE	VARCHAR2(6)		yes
SIC_PRIMARY	VARCHAR2(4)		YES - we will also get the UNIT based SIC and explore the relationship in order for us to select proper SIC for emission processing
NAICS_PRIMARY	VARCHAR2(6)		YES - same explanation as SIC_PRIMARY
FACILITY_NAME	VARCHAR2(80)		yes
SITE_DESCRIPTION	VARCHAR2(40)		no
LOCATION_ADDRESS	VARCHAR2(50)		YES
CITY	VARCHAR2(60)		YES
STATE	VARCHAR2(2)		YES
ZIPCODE	VARCHAR2(14)		YES - for allowing us to use the EMS-HAP location defaulting routine with "real" data
COUNTRY	VARCHAR2(40)		NO
NTI_SITE_ID	VARCHAR2(20)		YES
DUNN_BRADSTREET_NUMBER	VARCHAR2(9)	*	NO
TRI_ID	VARCHAR2(20)		NO
SUBMITTAL_FLAG	VARCHAR2(4)		NO
TRIBAL_CODE	VARCHAR2(3)		YES
REVISION_DATE	VARCHAR2(8)		no
NAICS_FLAG	VARCHAR2(3)		YES - modeler's may need for analysis of NAICS/SIC as described above
SIC_FLAG	VARCHAR2(3)		YES - modeler's may need for analysis of NAICS/SIC as described above
AUGMENTED_DATA	VARCHAR2(55)		NO
BART_SOURCE	VARCHAR2(10)		NO - because data are not yet available and may not be needed in the future
IPM_FACILITY	VARCHAR2(3)		YES

* NIF has DUN but should be DUNN

Point (PT)**Emission Unit (EU)**

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Name	Type and length	Provide variable in Modeler's file?
RECORD_TYPE	VARCHAR2(2)	no
STATE_AND_COUNTY_FIPS_CODE	VARCHAR2(5)	yes
STATE_FACILITY_IDENTIFIER	VARCHAR2(15)	yes
EMISSION_UNIT_ID	VARCHAR2(6)	yes
ORIS_BOILER_ID	VARCHAR2(5)	yes
SIC_UNIT_LEVEL	VARCHAR2(4)	YES
NAICS_UNIT_LEVEL	VARCHAR2(6)	YES
DESIGN_CAPACITY	NUMBER(10,2)	NO
DESIGN_CAPACITY_UNIT_NUMERATOR	VARCHAR2(10)	NO
DESIGN_CAPACITY_UNIT_DENOMNTOR	VARCHAR2(10)	NO
MAX_NAMEPLATE_CAPACITY	NUMBER(10,2)	NO
EMISSION_UNIT_DESCRIPTION	VARCHAR2(80)	YES
SUBMITTAL_FLAG	VARCHAR2(4)	NO
TRIBAL_CODE	VARCHAR2(3)	YES
REVISION_DATE	VARCHAR2(8)	NO
NAICS_FLAG	VARCHAR2(3)	YES
SIC_FLAG	VARCHAR2(3)	YES
AUGMENTED_DATA	VARCHAR2(55)	NO
BART_UNIT	VARCHAR2(10)	NO
IPM_UNIT	VARCHAR2(3)	YES

Point (PT)

Emission Release Point (ER)

Oracle to follow field name, type, and length; ascii all text and follow field positions and lengths.

Name	Type and length	NOF different from NIF3.0	Provide variable in Modeler's file?
RECORD_TYPE	VARCHAR2(2)		NO
STATE_AND_COUNTY_FIPS_CODE	VARCHAR2(5)		YES
STATE_FACILITY_IDENTIFIER	VARCHAR2(15)		YES
EMISSION_RELEASE_POINT_ID	VARCHAR2(6)		YES
EMISSION_RELEASE_POINT_TYPE	VARCHAR2(2)		YES
STACK_HEIGHT	NUMBER(10)		YES
STACK_DIAMETER	NUMBER(10,2)		YES
STACK_FENCELINE_DISTANCE	NUMBER(8,2)		YES
EXIT_GAS_TEMPERATURE	NUMBER(10)		YES
EXIT_GAS_VELOCITY	NUMBER(10,2)		YES
EXIT_GAS_FLOW_RATE	NUMBER(10,2)		NO
X_COORDINATE	NUMBER(11,6)		yes - lon or lat
Y_COORDINATE	NUMBER(10,6)		yes - lon or lat
UTM_ZONE	NUMBER(2)		no
XY_COORDINATE_TYPE	VARCHAR2(8)		no
HORIZONTAL_AREA_FUGITIVE	NUMBER(8)		yes - include unless it is sparsely recorded (let us know)
RELEASE_HEIGHT_FUGITIVE	NUMBER(8)		yes - include unless it is sparsely recorded (let us know)
FUGITIVE_DIMENSIONS_UNIT	VARCHAR2(10)		YES
EMISSION_RELEASE_PT_DESCRIPTOR	VARCHAR2(80)	*	YES
SUBMITTAL_FLAG	VARCHAR2(4)		NO
HORIZONTAL_COLLECTION_MTHD_COD	VARCHAR2(3)	*	no
HORIZONTAL_ACCURACY_MEASURE	VARCHAR2(6)		no
HORIZONTAL_REFERENCE_DATUM_COD	VARCHAR2(3)	*	no
REFERENCE_POINT_CODE	VARCHAR2(3)		no
SOURCE_MAP_SCALE_NUMBER	VARCHAR2(10)		no
COORDINATE_DATA_SOURCE_CODE	VARCHAR2(3)		no
TRIBAL_CODE	VARCHAR2(3)		yes
REVISION_DATE	VARCHAR(8)		no
STACK_DEFAULT_FLAG	VARCHAR2(10)		yes
LOCATION_DEFAULT_FLAG	VARCHAR2(10)		yes
AUGMENTED_DATA	VARCHAR2(55)		NO, but we request a separate analysis done by EIG to determine the particular emission release points for which emission release point type was augmented

* name shortened due to size limitations

Point (PT)**Emission Process (EP)**

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Name	Type and length	Provide variable in Modeler's file?
RECORD_TYPE	VARCHAR2(2)	no
STATE_AND_COUNTY_FIPS_CODE	VARCHAR2(5)	yes
STATE_FACILITY_IDENTIFIER	VARCHAR2(15)	yes
EMISSION_UNIT_ID	VARCHAR2(6)	yes
EMISSION_RELEASE_POINT_ID	VARCHAR2(6)	yes
PROCESS_ID	VARCHAR2(6)	yes
SCC	VARCHAR2(10)	yes
PROCESS_MACT_CODE	VARCHAR2(6)	YES - we expect that there will be just one MACT code per record, chosen by EIG based on hierarchy (process MACT code replaces SITE)
EMISSION_PROCESS_DESCRIPTION	VARCHAR2(78)	NO
WINTER_THROUGHPUT_PCT	NUMBER(3)	YES
SPRING_THROUGHPUT_PCT	NUMBER(3)	YES
SUMMER_THROUGHPUT_PCT	NUMBER(3)	YES
FALL_THROUGHPUT_PCT	NUMBER(3)	YES
ANNUAL_AVG_DAYS_PER_WEEK	NUMBER(1)	YES
ANNUAL_AVG_WEEKS_PER_YEAR	NUMBER(2)	YES
ANNUAL_AVG_HOURS_PER_DAY	NUMBER(2)	YES
ANNUAL_AVG_HOURS_PER_YEAR	NUMBER(4)	YES
HEAT_CONTENT	NUMBER(8,2)	No but request that EFIG perform a separate study of availability of this data
SULFUR_CONTENT	NUMBER(5,2)	No but request that EFIG perform a separate study of availability of this data
ASH_CONTENT	NUMBER(5,2)	No but request that EFIG perform a separate study of availability of this data
PROCESS_MACT_COMPLIANCE_STATUS	VARCHAR2(6)	yes
SUBMITTAL_FLAG	VARCHAR2(4)	no
TRIBAL_CODE	VARCHAR2(3)	yes
REVISION_DATE	VARCHAR2(8)	no
MACT_FLAG	VARCHAR2(15)	yes
AUGMENTED_DATA	VARCHAR2(55)	NO

Point (PT)

Emission Period (PE)

Oracle to follow field name, type, and length; ascii all text and follow field positions and lengths.

Name	Type and length	ascii length	NOF different from NIF3.0	Provide variable in Modeler's file?
RECORD_TYPE	VARCHAR2(2)			no
STATE_AND_COUNTY_FIPS_CODE	VARCHAR2(5)			yes
STATE_FACILITY_IDENTIFIER	VARCHAR2(15)			yes
EMISSION_UNIT_ID	VARCHAR2(6)			yes
PROCESS_ID	VARCHAR2(6)			yes
START_DATE	VARCHAR2(8)		*	YES
END_DATE	VARCHAR2(8)		*	YES
START_TIME	NUMBER(4)			NO
END_TIME	NUMBER(4)			NO
ACTUAL_THROUGHPUT	NUMBER	10		NO
THROUGHPUT_UNIT_NUMERATOR	VARCHAR2(10)			NO
MATERIAL	NUMBER(4)			NO
MATERIAL_IO	VARCHAR2(10)			NO
PERIOD_DAYS_PER_WEEK	NUMBER(1)			YES
PERIOD_WEEKS_PER_PERIOD	NUMBER(2)			YES
PERIOD_HOURS_PER_DAY	NUMBER(2)			YES
PERIOD_HOURS_PER_PERIOD	NUMBER(4)			YES
SUBMITTAL_FLAG	VARCHAR2(4)			no
TRIBAL_CODE	VARCHAR2(3)			yes
DATA_SOURCE	VARCHAR2(10)			NO - we'll get it only for the emission value
REVISION_DATE	VARCHAR2(8)			no
AUGMENTED_DATA	VARCHAR2(55)			NO

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Point (PT)**Control Equipment (CE)**

Oracle to follow field name, type, and length; ascii all text and follow field positions and lengths.

Name	Type and length	NOF different from NIF3.0	Provide variable in Modeler's file?
RECORD_TYPE	VARCHAR2(2)		no
STATE_AND_COUNTY_FIPS_CODE	VARCHAR2(5)		yes
STATE_FACILITY_IDENTIFIER	VARCHAR2(15)		yes
EMISSION_UNIT_ID	VARCHAR2(6)		yes
PROCESS_ID	VARCHAR2(6)		yes
POLLUTANT_CODE	VARCHAR2(9)		YES
PRIMARY_PCT_CONTROL_EFFICIENCY	NUMBER(5,2)		YES
PCT_CAPTURE_EFFICIENCY	NUMBER(5,2)		NO
TOTAL_CAPTURE_CNTRL_EFFICIENCY	NUMBER(5,2)	*	yes
PRIMARY_DEVICE_TYPE	VARCHAR2(4)		YES
SECONDARY_DEVICE_TYPE	VARCHAR2(4)		YES
CONTROL_SYSTEM_DESCRIPTION	VARCHAR2(40)		NO
THIRD_CONTROL_DEVICE_TYPE	VARCHAR2(4)	*	YES
FOURTH_CONTROL_DEVICE_TYPE	VARCHAR2(4)	*	YES
SUBMITTAL_FLAG	VARCHAR2(4)		NO
TRIBAL_CODE	VARCHAR2(3)		yes
REVISION_DATE	VARCHAR2(8)		no
TOTAL_CAPTURE_FLAG	VARCHAR2(4)		YES
AUGMENTED_DATA	VARCHAR2(55)		NO

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Point (PT)	Emission (EM)			
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Name	Type and length	ascii length	NOF different from NIF3.0	Provide variable in Modeler's file?
RECORD_TYPE	VARCHAR2(2)			no
STATE_AND_COUNTY_FIPS_CODE	VARCHAR2(5)			yes
STATE_FACILITY_IDENTIFIER	VARCHAR2(15)			yes
EMISSION_UNIT_ID	VARCHAR2(6)			yes
PROCESS_ID	VARCHAR2(6)			yes
POLLUTANT_CODE	VARCHAR2(9)			yes
EMISSION_RELEASE_POINT_ID	VARCHAR2(6)			yes
START_DATE	VARCHAR2(8)		**	YES
END_DATE	VARCHAR2(8)		**	YES
START_TIME	NUMBER(4)			NO
END_TIME	NUMBER(4)			NO
EMISSION_NUMERIC_VALUE	NUMBER	10		YES - can help modelers if they choose to explore the procedure to annualize a sub-annually reported value
EMISSION_UNIT_NUMERATOR	VARCHAR2(10)			YES
EMISSION_TYPE	VARCHAR2(2)			YES
EM_RELIABILITY_INDICATOR	VARCHAR2(5)		**	NO
FACTOR_NUMERIC_VALUE	NUMBER(10,2)			NO - request EFIG analyze for prevalence
FACTOR_UNIT_NUMERATOR	VARCHAR2(10)			NO - request EFIG analyze for prevalence
FACTOR_UNIT_DENOMINATOR	VARCHAR2(10)			NO - request EFIG analyze for prevalence
MATERIAL	NUMBER(4)			NO
MATERIAL_IO	VARCHAR2(10)			NO
EMISSION_CALC_METHOD_CODE	VARCHAR2(2)		*	NO
EF_RELIABILITY_INDICATOR	VARCHAR2(5)			NO
RULE_EFFECTIVENESS	NUMBER(5,2)			YES
RULE_EFFECTIVENESS_METHOD	VARCHAR2(2)			NO
HAP_EMISSIONS_PERFORMANCE_LEVEL	VARCHAR2(2)		*	YES - (PTI, actual, max. - probably needed by ESD)
CONTROL_STATUS	VARCHAR2(12)			YES - emission modeler's will do special analysis on the relation of the value of this variable and CE table
EMISSION_DATA_LEVEL	VARCHAR2(10)			Y (plant vs stack - could be useful in designing integration?)
SUBMITTAL_FLAG	VARCHAR2(4)			N
TRIBAL_CODE	VARCHAR2(3)			yes
DATA_SOURCE	VARCHAR2(10)			yes
EMISSION_TON_VALUE	NUMBER	20		yes - scientific for all or scientific for less than 1 ton (either way is ok)
EMISSION_TYPE_PERIOD	VARCHAR2(10)			YES
REVISION_DATE	VARCHAR2(8)			no
CAP_HAP	VARCHAR2(3)			YES - useful for subsetting file into a HAP-only and CAP-only file
YEAR	VARCHAR2(4)			YES
DATA_RATING	VARCHAR2(20)			No
AUGMENTED_DATA	VARCHAR2(55)			No
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