

# AFS Data Download

The Integrated Data for Enforcement Analysis (IDEA) system incorporates data from the AIRS Facility Subsystem (AFS). AFS is a component of the Aerometric Information Retrieval System (AIRS).

## 1.1 AFS Description

AFS contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners (automobiles and other mobile air pollution sources are tracked by a different AIRS subsystem (AMS). IDEA's AFS file currently does not contain any data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. IDEA does include data on non-federally reportable facilities, including facilities that are planned, under construction, operate seasonally, temporarily shut down, and shut down.

While AFS maintains data at several levels of detail on an air source, IDEA focuses on the data at the plant level. Plant-level data treats the entire facility as one unit rather than looking at individual emission points, processes, or stacks. Data reported at the plant level include:

- General source Information—identification number, name.
- Significant Violator Information.
- Air Program Information—a repeating block of data addressing each regulatory area that a facility is subject to (e.g., SIP, NSPS, NESHAP, PSD). Air program code definitions:

### STATE IMPLEMENTATION PLAN (SIP)

Section 110 of the Clean Air Act requires each state to adopt and submit to EPA for approval a SIP that provides for the maintenance, implementation and enforcement of the National Ambient Air Quality Standards (NAAQS). Each SIP must include a permit program to regulate the modification and construction of any stationary source of air pollution, including stationary sources in attainment and non-attainment areas of the state, as necessary to assure that NAAQS are achieved. SIP requirements are federally enforceable under Section 113 of the Act. Reference 40 CFR Part 52. The SIP air program is considered applicable to each Federally Reportable stationary source in AFS. Additional reporting requirements for SIP are promulgated as standards for various industrial categories. These standards are reported as subparts to the SIP, and are identified using the same subpart identification as the New Source Performance Standards (NSPS). Reporting of SIP subparts are optional.

### SIP SOURCE UNDER FEDERAL JURISDICTION (FIP)

Under current law, a federally implemented plan to achieve attainment of air quality standards is used when a state is unable to develop an adequate plan, or if jurisdiction does not exist. Sources located on Indian Land should reflect the Native American air program code.

### NON-FEDERALLY REPORTABLE

Used to report State/Local/Tribal requirements not defined as federally reportable [reference Section 1, Minimum Data Requirements (MDRs)].

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## **CHLOROFLUOROCARBONS (CFC) TRACKING**

Under Title VI of the Clean Air Act, EPA is responsible for several programs that protect the stratospheric ozone layer. These programs include: Motor Vehicle Air Conditioning; Stationary Refrigeration and Air Conditioning, Halon Blends and Handling; Phase-out of Ozone Depleting Substances; Methyl Bromide; Nonessential Products Ban; Product Labeling, and Federal Procurement. Reference 40 CFR Part 82. This program is not delegated to State, Local, or Tribal agencies.

## **PREVENTION OF SIGNIFICANT DETERIORATION (PSD)**

Part C of the Clean Air Act sets requirements for the prevention of significant deterioration (PSD) of air quality in those areas designated as either attainment or unclassifiable for purpose of meeting the National Ambient Air Quality (NAAQS) standards. These requirements are designed to protect public health and welfare, to assure that economic growth will occur in a manner consistent with the preservation of existing clean air resources and to assure that any decision to permit increased air pollution is made only after careful evaluation of all the consequences of such a decision and after public participation in the decision making process. PSD prohibits the construction and operation of a major emitting facility in an area designed as attainment or unclassifiable unless a permit has been issued that complies with Section 165 of the Act, including the requirement that the facility install the best available control technology for each pollutant subject to regulation.

## **NEW SOURCE REVIEW (NSR)**

New Source Review is a preconstruction permitting program that serves two important purposes:

- a. It ensures the maintenance of air quality standards when factories, industrial boilers and power plants are modified or added. In areas with unhealthy air, NSR assures that new emissions do not slow progress toward cleaner air. In areas with clean air, especially pristine areas like national parks, NSR assures that new emissions fall within air quality standards. Emission calculations are completed using potential emissions.
- b. The NSR program assures that state of the art control technology is installed at new plants or at existing plants that are undergoing a major modification.

In August 2003, EPA issued a final rule that creates a category of activities that automatically will be considered routine maintenance, repair and replacement (RMRR) under the NSR permitting program. The rule defines a process unit, delineates the boundary of a process unit, defines a “functionally equivalent” component, and defines basic design parameters for electric utility steam generating units and other types of process units.

## **NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP PART 61)**

Section 112 of the Clean Air Act identifies substances that have been designated as hazardous air pollutants (HAPs), known for serious health effects, including cancer, from ambient air exposure. HAPs include: Asbestos, benzene, beryllium, coke oven emissions, inorganic arsenic, mercury, radio nuclides and vinyl chloride. Reference 40 CFR Part 61. Additional reporting requirements for NESHAP are promulgated as standards for various industrial categories. These standards are identified

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as subparts to the NESHAP, and can be reported to AFS in the 302/502 (Air Program) screen. Subpart reporting is not mandatory.

## **ACID PRECIPITATION**

The Acid Rain Program requires major reductions of sulfur dioxide and nitrogen oxide emissions (key components of acid rain) from electric utilities, while establishing a new approach to environmental protection through the use of market incentives, a “cap and trade” process. Affected sources are required to install systems that continuously monitor emissions in order to track progress, ensure compliance, and provide credibility to the trading component of the program. Regulated sources must report all emissions as measured by continuous emissions monitors. EPA has established standard reporting procedures and has issued standard software for such reporting.

## **FEDERALLY ENFORCEABLE STATE OPERATING PERMIT PROGRAM (FESOP)**

This program (usually through SIP revision) provides a mechanism for states to establish federally enforceable State operating permits limiting the potential to emit for sources to remain below the applicability threshold for the operating permits program of Title V of the Clean Air Act (CAA). This program is available to allow States to issue FESOPs to small sources and exempt them from the Title V review, as the large number of small sources could be a resource burden on both the agency and the small sources. FESOP provides the mechanism to establish federally enforceable limits on sources’ potential to emit below the Title V threshold. This air program is used for reporting sources classified as Synthetic Minor (SM).

## **NATIVE AMERICAN**

This program is used to identify sources located on Indian Lands. Sources do not have to be operated by tribal entities, but are subject to Tribal authority. In the absence of a Tribal Authorization Rule (TAR) or Implementation Plan (TIP), this air program will be used to identify any source subject to Tribal rule. All other applicable air programs need to be identified.

## **MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY (MACT) PART 63**

The EPA is directed to use technology-based and performance-based standards to significantly reduce routine emissions of hazardous air pollutants of facilities within an industry group or source category. The NESHAP standards implemented in 1990 regulate specific categories of stationary sources. The standards of this part are independent of NESHAP. A MACT standard is based on emission levels that are already being achieved by the lower-emitting sources of an industrial sector. Eight years after a MACT standard is issued, EPA must assess the remaining health risks in the categories and may implement additional standards to care for any remaining risk. Reference 40CFR Part 63.

## **TITLE V OPERATING PERMITS**

Reference 40 CFR Part 70. The Final Rule (July 31, 1992) established an operating permit program for States to develop programs for issuing operating permits to all major stationary sources and to certain other sources. Title V does not impose new requirements, it does provide a permit to operate that assures compliance with all applicable requirements. It allows the delegated agency the

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authority to collect permitting fees. All permits are required to contain standard permit requirements that specify and reference the origin of authority for each applicable term or condition, the duration of the permit (not to exceed 5 years), the monitoring and related recordkeeping and reporting requirements, emissions trading allowed, Federally-enforceable and compliance requirements. Any operating source with Title V permit application pending should have the “V” air program code with the operating status of “P” for pending entered in AFS. Once the permit has been issued, the operating status should be upgraded to “O” for operating.

Each Air program offers data on the following:

- Historical Compliance Status (quarterly for the past two years—1992 to present)
- Action/Activity Data (inspections, enforcement actions, etc.—1978 to present)
- Operating Status

Only certain data elements from AFS are incorporated into IDEA. This document contains the AFS Data Element table as well as definitions of the AFS data elements in IDEA download query.

## 1.2 AFS Datasets

Element Name	Data Type	Length	Description
Facility/Source Level Identifying Data			
<b>AFSID</b>	<b>Char</b>	<b>10</b>	<b>AFS Identifier: State-County-Plant Number</b>
PNME	Char	26	Plant Name
STRT	Char	30	Plant Street Address
CYNM	Char	30	Plant City
CNTY	Char	3	Plant County Code
STAB	Char	2	State Abbreviation
ZIPC	Char	9	Zip Code
SIC1	Num	4	Primary SIC Code
SIC2	Num	4	Secondary SIC Code
NIC1	Char	6	NAIC Code
GOVT	Char	1	AFS Governmental Facility Code
FEDREP	Char	1	Federally Reportable? (Y/N)
DCL1	Char	2	EPA Classification Code
OPST	Char	1	Operating Status
DCS1	Char	1	EPA Compliance Status
HPV	Char	1	Current High Priority Violator
Air Program			
<b>AFSID</b>	<b>Char</b>	<b>10</b>	<b>AFS Identifier: State-County-Plant Number</b>
APC1	Char	1	Air Program Code
AST1	Char	1	Air Program Status
DLA1	Char	2	EPA-State Classification Code
DCA1	Char	1	EPA-State Compliance Status
SPH1	Char	71	Subparts for Air Program Codes
PLAP	Char	5	Pollutant Code
DCLP	Char	2	Pollutant Classification
DCAP	Char	1	Pollutant Compliance Status
Actions			
<b>AFSID</b>	<b>Char</b>	<b>10</b>	<b>AFS Identifier: State-County-Plant Number</b>
RANT1	Char	2	National Action Type
RDTA1	Date	7	Date Achieved (YYMMDD)
RARCALL	Char	11	Air Program Code -all
RPAM1	Num	7	Penalty Amount (in thousands of dollars)
RRSC1	Char	2	Result code – Stack test and Title V review
RPLC1	Char	5	Pollutant Code
Historical Compliance- Source Level			
<b>AFSID</b>	<b>Char</b>	<b>10</b>	<b>AFS Identifier: State-County-Plant Number</b>
HMONTH	Num	6	Historical Compliance Month (yyyymm)
HHPV	Char	1	Historical High Priority Violator
HDCS1	Char	1	Historical Compliance Status
Historical Compliance- Air Program Level			
<b>AFSID</b>	<b>Char</b>	<b>10</b>	<b>AFS Identifier: State-County-Plant Number</b>
APC1	Char	4	Air Program Code
HDT1	Num	5	Historical Compliance Date
HAST1	Char	1	Historical Air Program Status
DCH1	Char	1	Historical Compliance Status

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## 1.3 AFS Data Element Definitions

The following is a list of AFS data elements and AFS-derived elements contained in the sample download. The data elements are listed alphabetically by data element name. .

**AFSID** (AFS Identifier) A ten-character alphanumeric code which uniquely identifies each permitted plant. A combination of the Census FIPS state code, the FIPS county code and the unique AFS plant ID compose the AFSID.

**APC1** (Air Program Code) A one-character code used to identify 1) the regulatory air program(s) that applies to a particular plant or point, and 2) the regulatory air program(s) authorizing and associated with an action taken by a local, state or federal regulatory agency. Air Program Code values include:

A = Acid Precipitation  
I = Native American  
M = MACT (Section 63 NESHAPS)  
V = Title V Permits  
0 = SIP Source  
1 = SIP Source under federal jurisdiction  
3 = Non-Federally Reportable Source  
4 = CFC Tracking  
6 = PSD  
7 = NSR  
8 = NESHAP  
9 = NSPS

**AST1** (Air Program Status) A one-character code representing the operational condition of the plant. Air Program Status values include:

C Under Construction  
D NESHAP Demolition  
I Seasonal  
L Landfill  
O Operating  
P Planned (Has Applied For A Construction Permit)  
R NESHAP Renovation  
S NESHAP Spraying  
T Temporarily Closed  
X Permanently Closed

**CNTY** (Plant County Code) Field containing the code of the county where the plant is located.

**CYNM** (Plant City Name) Field containing the name of the city or town where the plant is located.

**DCA1** (EPA –State Compliance Status) A one-character code reflecting EPA’s determination of compliance for a facility (or point within a facility) by an Air program. Status values include:

A Unknown With Regard To Procedural Compliance

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B	In Violation With Regard To Both Emissions And Procedural Compliance
C	In Compliance With Procedural Requirements
M	In Compliance - CEMS
P	Present, See Other Program(s)
U	Unknown By Evaluation Calculation (Generated Value-Not Available For Input)
W	In Violation With Regard To Procedural Compliance
Y	Unknown With Regard To Both Emissions And Procedural Compliance
0	Unknown Compliance Status
1	In Violation - No Schedule
2	In Compliance - Source Test
3	In Compliance - Inspection
4	In Compliance - Certification
5	Meeting Compliance Schedule
6	In Violation - Not Meeting Schedule
7	In Violation - Unknown With Regard To Schedule
8	No Applicable State Regulation
9	In Compliance - Shut Down

DCAP (Pollutant Compliance Status) Field containing the code for the Air Program pollutant compliance status. Status values include:

A	Unknown With Regard To Procedural Compliance
B	In Violation With Regard To Both Emissions And Procedural Compliance
C	In Compliance With Procedural Requirements
M	In Compliance - CEMS
P	Present, See Other Program(S)
U	Unknown By Evaluation Calculation (Generated Value-Not Available For Input)
W	In Violation With Regard To Procedural Compliance
Y	Unknown With Regard To Both Emissions And Procedural Compliance
0	Unknown Compliance Status
1	In Violation - No Schedule
2	In Compliance - Source Test
3	In Compliance - Inspection
4	In Compliance - Certification
5	Meeting Compliance Schedule
6	In Violation - Not Meeting Schedule
7	In Violation - Unknown With Regard To Schedule
8	No Applicable State Regulation
9	In Compliance - Shut Down

DCH1 (Historical EPA Plant Compliance Status) A one-character code reflecting EPA's determination of compliance for a facility (or point within a facility) with regard to pollutants regulated by an Air program or by the procedural requirements of a permit. In the absence of an EPA value, this element displays the state value. There are four compliance categories: In Compliance, Out of Compliance, On Schedule, and Unknown Compliance. AFS compares values entered at the plant program pollutant level to determine the most serious compliance violations. AFS displays these values at the plant Air program level. AFS, in turn, displays the most serious Air program values at the plant general level. Valid EPA Compliance Status codes for the plant/source level (DCS1), air program level (DCA1), pollutant level (DCAP), as well as for the historic plant compliance fields (DCH1 and HDCS1) include:

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### **Out of Compliance**

B = In violation with regard to both emissions and procedural compliance

1 = In violation—no schedule

6 = In violation—not meeting schedule

W = In violation with regard to procedural compliance

### **Unknown Compliance**

Y = Unknown with regard to both emissions and procedural compliance

0 = Unknown compliance status

A = Unknown with regard to procedural compliance

7 = In violation—unknown with regard to schedule

### **On Schedule**

5 = Meeting compliance schedule

### **In Compliance**

C = In compliance with procedural requirements

4 = In compliance—certification

3 = In compliance—inspection

M = In compliance—CEMS

2 = In compliance—source test

8 = No applicable state regulation

9 = In compliance—shut down

P = Present, see other program(s)

**DCL1** (EPA Classification Code) A two-character code that categorizes plants according to the Alabama Power Decision's definition of a Major Source, or the 1993 EPA Compliance Monitoring Branch Classification Guidance. If there is no EPA Classification Code present, then this field displays the State Classification Code value. AFS generates a plant classification reflecting the highest emission level classification of criteria pollutants regulated by an Air program. DCL1 reflects the EPA Classification Code at the general plant level. Valid EPA Classification codes for the plant/source level (DCL1), the pollutant level (DCLP) and the air program level (DLA1) include:

- A** Actual or potential emissions are above the applicable major source thresholds.
- A1** Actual or potential controlled emissions >100 tons/year as per Alabama Power Decision.
- E1** Unregulated pollutant actual or potential controlled emissions >100 tons/year as per Alabama Power Decision.
- SM** Potential emissions are below all applicable Major Source enforceable regulations or limitations.
- A2** Actual emissions <100 tons/year, but potential uncontrolled emissions >100 tons/year.
- E2** Unregulated pollutant actual emission <100 tons/year.
- B** Potential uncontrolled emissions <100 tons/year
- ND** Major Source thresholds are not defined.
- C** Class is unknown.
- UK** Unknown.

**DCS1** (EPA Plant Compliance Status) A one-character code reflecting EPA's determination of compliance for a facility (or point within a facility) with regard to pollutants regulated by an Air program or by the procedural requirements of a permit. Values include:

- A Unknown With Regard To Procedural Compliance
- B In Violation With Regard To Both Emissions And Procedural Compliance
- C In Compliance With Procedural Requirements
- M In Compliance - CEMS

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P	Present, See Other Program(S)
U	Unknown By Evaluation Calculation (Generated Value-Not Available For Input)
W	In Violation With Regard To Procedural Compliance
Y	Unknown With Regard To Both Emissions And Procedural Compliance
0	Unknown Compliance Status
1	In Violation - No Schedule
2	In Compliance - Source Test
3	In Compliance - Inspection
4	In Compliance - Certification
5	Meeting Compliance Schedule
6	In Violation - Not Meeting Schedule
7	In Violation - Unknown With Regard To Schedule
8	No Applicable State Regulation
9	In Compliance - Shut Down

DLA1 (EPA State Classification Code) A two-character code that categorizes plants according to the Alabama Power Decision's definition of a Major Source, or the 1993 EPA Compliance Monitoring Branch Classification Guidance. Values include:

A	Actual or potential emissions are above the applicable Major Source Threshold.
A1	Actual or Potential Controlled Emissions > 100 Tons/Yr As Per Ala. Power
A2	Actual Emissions < 100 Tons/Yr But Potential Uncontrolled Emissions > 100 Tons/Yr
B	Potential Uncontrolled Emissions < 100 Tons/Yr
C	Class Is Unknown.
E1	Unregulated Pollutant Actual Or Potential. Controlled. Emissions > 100 Tons/Yr As Per Ala Pwr
E2	Unregulated Pollutant Actual Emissions < 100 Tons/Yr But Potential Uncontrolled Emissions > 100 Tons/Yr.
ND	Major Source Thresholds Are Not Defined.
SM	Pot Emissions Below Major Source Thresholds If Complies With Fed Regs/Limits
UK	Unknown Pollutant Classification

FEDREP (Federally Reportable) IDEA generates the Federally Reportable indicator. FEDREP displays a "Y" if the facility is federally reportable and a "N" if the facility is not federally reportable. A facility is federally reportable if:

AFS.DCL1 = A, A1, A2, SM  
OR  
AFS.APC1 = 8, 9 *and* AFS.DCS1 is not equal to 8.

GOVT (AFS Government Facility Code) A one-character code indicating if plant is government facility.

HAST1 (Historical Compliance Status) A one-character code representing the operational condition of the plant. Air Program Status values include:

C	Under Construction
D	NESHAP Demolition
I	Seasonal
L	Landfill

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- O Operating
  - P Planned (Has Applied For A Construction Permit)
  - R NESHAP Renovation
  - S NESHAP Spraying
  - T Temporarily Closed
  - X Permanently Closed

HDT1 (Historical Compliance Date) Date associate with Air Program level compliance status.

HDCS1 (Historical EPA Plant Compliance Status) A one-character code reflecting EPA's determination of compliance for a facility (or point within a facility) with regard to pollutants regulated by an Air program or by the procedural requirements of a permit. Values include:

- A Unknown With Regard To Procedural Compliance
- B In Violation With Regard To Both Emissions And Procedural Compliance
- C In Compliance With Procedural Requirements
- M In Compliance - CEMS
- P Present, See Other Program(S)
- U Unknown By Evaluation Calculation (Generated Value-Not Available For Input)
- W In Violation With Regard To Procedural Compliance
- Y Unknown With Regard To Both Emissions And Procedural Compliance
- 0 Unknown Compliance Status
- 1 In Violation - No Schedule
- 2 In Compliance - Source Test
- 3 In Compliance - Inspection
- 4 In Compliance - Certification
- 5 Meeting Compliance Schedule
- 6 In Violation - Not Meeting Schedule
- 7 In Violation - Unknown With Regard To Schedule
- 8 No Applicable State Regulation
- 9 In Compliance - Shut Down

HHPV (Historical High Priority Violator) A one-character code indicating if plant was categorized as a High Priority Violator. Values include

- B Violation Unaddressed; EPA And State Share Lead Enforcement
- C Violation Addressed; EPA And State Share Lead Enforcement
- D Src W/Svil=B W/Changed Comp. Status Code from 1 Or 6 To 2,3,4,8 Or 9(Obsolete)
- E Violation Unaddressed; EPA Has Lead Enforcement
- F Violation Addressed; EPA Has Lead Enforcement
- G Src W/Svil=E W/Changed Comp. Stat. Code From 1 Or 6 To 2,3,4,8 Or 9(Obsolete)
- H EPA (Lead) Resolved In A Prior Fiscal Year (Obsolete)
- P Both (Lead) Resolved In A Prior Fiscal Year (Obsolete)
- S Violation Unaddressed; State/Local Has Lead Enforcement
- T Violation Addressed; State Has Lead Enforcement
- U Src W/Svil=S W/Changed Compliance Status from 1 Or 6 To 2,3,4,8, Or 9 (Obsolete)
- V State (Lead) Resolved in A Prior Year (Obsolete)
- X Violation Unaddressed; Enforcement Lead Unassigned

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HMONTH (Historical Compliance Month) Month associated with HHPV status. Format is YYYYMM.

HPV (Current High Priority Violator) A one-character code indicating if plant is currently categorized as a High Priority Violator. Values include

- B Violation Unaddressed; EPA And State Share Lead Enforcement
- C Violation Addressed; EPA And State Share Lead Enforcement
- D Src W/Svil=B W/Changed Comp. Status Code From 1 Or 6 To 2,3,4,8 Or 9(Obsolete)
- E Violation Unaddressed; EPA Has Lead Enforcement
- F Violation Addressed; EPA Has Lead Enforcement
- G Src W/Svil=E W/Changed Comp. Stat. Code from 1 Or 6 To 2,3,4,8 Or 9(Obsolete)
- H EPA (Lead) Resolved In A Prior Fiscal Year (Obsolete)
- P Both (Lead) Resolved In A Prior Fiscal Year (Obsolete)
- S Violation Unaddressed; State/Local Has Lead Enforcement
- T Violation Addressed; State Has Lead Enforcement
- U Src W/Svil=S W/Changed Compliance Status from 1 Or 6 To 2,3,4,8, Or 9 (Obsolete)
- V State (Lead) Resolved in A Prior Year (Obsolete)
- X Violation Unaddressed; Enforcement Lead Unassigned

OPST (Operating Status) A one-character code representing the operational condition of the plant. The operating status for a plant is generated from the most significant operative value assigned to subordinate Air programs. Valid Operating Status codes include:

- C UNDER CONSTRUCTION
- D NESHAP DEMOLITION
- I SEASONAL
- L LANDFILL
- O OPERATING
- P PLANNED (HAS APPLIED FOR A CONSTRUCTION PERMIT)
- R NESHAP RENOVATION
- S NESHAP SPRAYING
- T TEMPORARILY CLOSED
- X PERMANENTLY CLOSED

NIC1 (Primary NAIC Code) The Primary NAIC Code is the North American Industry Classification (NAIC) code for the plant. The North American Industry Classification System (NAICS) has replaced the U.S. Standard Industrial Classification (SIC) system.

PAM1 (Penalty Amount) Indicates the amount of the civil penalty assessed against a facility in the final agreement between the enforcement authority and the plant.

PLAP (Pollutant Code) A five-character code that identifies a pollutant tracked at the air program level. See Appendix 1 for values.

PNME (Plant Name) The name associated with a plant at a given location.

RANT1 (National Action Type) A two-character code identifying a compliance activity. The National Action Type field translates region-specific action type codes to the corresponding EPA Region compliance activity code. Valid National Action Type values for RANT1 include:

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C1 = 113 Conference	1C = EPA PSD application complete
C2 = 113 (D) APO recalculated	1D = State criminal referral
C3 = 113D Pen collected	1E = Civil referral to state attorney
C4 = Final Compliance	1F = Contractor listing
C5 = Order/decreed expires	2A = EPA source test conducted
C6 = Amendment	2C = EPA PSD permit issued
C7 = Close-out memo issued	2D = State court consent decree
C8 = Decree lodged	2E = State day zero
DY = SV lead changed	2F = State day 120
ER = Compliance certification EPA review	2G = Contractor de-listing
HR = 113D Hearing	2H = AHEARA certification
RT = SV reported as addressed	2I = AHEARA de-certification
RV = SV deleted	2J = Notification received
SE = 113D Settlement	2K = Compl. by state, no action required
SR = Compliance certification state review	2L = Proposed SIP revision will lead to
UB = 113D UNMIT EC BEN	2M = Proposed SIP/FIP revision will lead to
UC = 113D UNMIT GRAV COMP	2T = Federal day 150 (previous to 10/92 day
US = 113D Total UNMIT PEN	2Z = Federal day zero
VE = SV reported as added	3A = Owner/operator-conducted source test
VL = SV reported as added	3C = New source commence construction
VR = Violation resolved	3D = State civil penalty assessed
WD = 113D Withdrawn	3E = Warning notification violation
1A = EPA inspection—level 2 or greater	3F = Warning substantive violation
1B = 113 (D) (4) Innov. Tech. Order approved/issued	4A = NESHAP waiver of compliance issued
4B = EPA civil referral	6D = State PSD application complete
4C = New source start-up	7A = Notice of noncompliance (Section 120)
4D = State noncompliance penalty assessed	7B = EPA civil penalty assessed
4E = Civil referral notification by EPA	7C = State NOV issued
4F = Administrative order notification deficiency by	7D = State PSD permit issued
4G = Civil referral notification deficiency	7E = EPA 167 order
4H = Administrative order substantive	7F = 113D APO complaint filed
4I = Civil referral substantive violation by	7G = Compl. by EPA, no act on required
4J = Administrative order substantive violation by	8A = EPA 113 (A) order issued
4K = Civil referral substantive violation by	8B = 113(D) penalty order filled
4L = EPA pre-NOV letter sent	8C = State administrative order issued
5A = EA pre-NOV letter sent	8D = Offset applicability determination
5B = EPA criminal action	9A = 113(D) delayed compliance order
5C = State inspection—level 2 or greater	approved/issued
5D = State PSD applicability determination	9B = EPA PSD applicability determination
6A = EPA NOV issued	9C = State civil action
6B = EPA court consent decree	9D = Offset permit issued
6C = State source test conducted	9Z = SVIL determination

RDTA1 (Date Achieved) Field that indicates the date (YYMMDD) of a completed compliance action. Duplicate dates in this field have been “rolled up” and eliminated by IDEA to avoid double counting.

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RPAM1 (Penalty Amount) Field that indicates the amount of the civil penalty assessed against a facility in the final agreement between the enforcement authority and the plant. Duplicate penalty amounts in this field have been “rolled up” and eliminated by IDEA to avoid double counting.

RPLC1 (Pollutant Code) A five-character code that identifies a pollutant tracked at the action level. See Appendix 1 for values

RRSC1 (Result Code) Code indicating results of Stack Test and Title V review values include:

01	ACTION ACHIEVED
02	NOT ACHEIVED
03	ACTION RESCHED.
97	APPROVED
98	DISAPPROVED
99	PENDING
FF	STACK TEST FAILED
FR	FED REPT VIOL
MA	QEER ADEQUATE
MC	IN COMPLIANCE
MI	QEER INADEQUATE
MR	RETEST REQ
MU	UNKNOWN CMST
MV	IN VIOLATION
PP	STACK TEST PASSED

SIC1 (Primary SIC Code) The *Primary SIC Code* is the four-character Standard Industrial Classification code that classifies the main product produced or service performed at the plant.

SIC2 (Secondary SIC Code) The Secondary SIC Code is the four-character Standard Industrial Classification code that classifies a product produced or service performed at the plant that is other than the one described by the Primary SIC Code (SIC1).

SPH1 (Subparts for Air Program Codes) Subpart reporting is not mandatory. Values for NONMACT NESHAP include:

B	RADON FROM UNDERGROUND URANIUM MINES
BB	BENZENE EMISS FROM BENZENE TRANSFR OPER
C	BERYLLIUM
D	BERYLLIUM ROCKET MOTOR FIRING
E	MERCURY
F	VINYL CHLORIDE
FF	BENZENE WASTE OPERATIONS
H	RADIONUCS OTR THN RADON FROM DPT OF ENGY
I	RADIONUCS NRC LICNSD OR FEDRL, NOT SUB-H
J	EQUIP LEAK (FUGITIVE EMISS SRC) BENZENE
K	RADIONUCS FROM ELEMENTAL PHOSPHORUS PLNT
L	BENZENE FROM COKE BY-PRODUCT RECOVERY
M	ASBESTOS
N	INORGANIC ARSENIC, FROM GLASS MANUFACT
O	INORG ARSENIC FROM PRIMARY COPPER SMLTR

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P	INORG ARSENIC, ARS TRIOXIDE, METAL ARS
Q	RADON FROM DOE FACILITIES
R	RADON FROM PHOSPHOGYMSUM STACKS
T	RADON, DISPOSAL OF URANIUM MILL TAILINGS
V	EQUIPMENT LEAKS (FUGITIVE EMISSIONS SRC)
W	RADON FROM OPERATING MILL TAILINGS
Y	BENZENE EMISS FROM BNZN STORAGE VESSELS

Values for NSPS/SIP include:

AA	ELEC-ARC STEEL FURNACE 10/21/74-8/17/83
AAA	EL-ARC FRN, ARGON-02 DECARB VESSL 8/7/83
BB	KRAFT PULP MILLS
BBB	RUBBER TIRE MANUFACTURE
CC	GLASS MANUFACTURING PLANT
CCCC	COMMERCIAL & INDUSTRIAL SOLID WASTE INCINERATORS CONSTRUCTED
CE	EXISTING HOSPITAL/MEDICAL/INFECTIOUS WASTE INCINERATORS
D	FOSSIL FUEL GENER BUILT AFTER 8/17/71
DA	ELEC UTIL STEAM GENER AFTER 9/18/78
DB	INDUS-COMMERC-INSTITUTL STEAM GENERATOR
DC	SMALL INDUS-COMMER-INSTITUTL STEAM GENER
DD	GRAIN ELEVATORS
DDD	VOC EMISS FROM POLYMER MANUFACTURING
E	INCINERATORS
EA	MUNICIPAL WASTE COMBUSTORS
EC	NEW HOSPITAL/MEDICAL/INFECTIOUS WASTE INCINERATORS
EE	SURFAC COATING OF METAL FURNITURE
F	PORTLAND CEMENT PLANTS
FFF	FLEXIBLE VINYL/URETHANE COATING/PRINTING
G	NITRIC ACID PLANTS
GG	STATIONARY GAS TURBINES
GGG	EQUIP VOC LEAKS PETROLEUM REFINERIES
H	SULFURIC ACID PLANTS
HH	LIME MANUFACTURING PLANTS
HHH	SYNTHETIC FIBER PRODUCTION FACILITIES
I	ASPHALT CONCRETE PLANTS
III	VOC EMISS OF SOCFI AIR-O2 UNIT PROCESS
J	PETROLEUM REFINERIES
JJJ	PETROLEUM DRY CLEANERS
K	PETROLEUM STORAGE VESSEL 6/11/73 5/19/78
KA	PETROLEUM STORAGE VESSEL 5/19/73 7/23/84
KB	VOLATILE LIQ/PETRO STORAGE VESSEL 7/23/84
KK	LEAD-ACID BATTERY MANUFACTURING PLANTS
KKK	VOC EMISS, ONSHORE NATURAL GAS PROC PLNT
L	SECONDARY LEAD SMELTERS
LL	METALLIC MINERAL PROCESSING PLANTS
LLL	SO2 EMISS, ONSHORE NATURAL GAS PROC PLNT
M	SECONDARY BRASS & BRONZE PRODUCTN PLANTS
MM	AUTO/LT-DUTY TRK SURFACE COATING OPERATN
N	PRIMARY EMISS BASIC O2 PROCESS FURNACES
NA	SECNDRY EMISS BASIC O2-PROC STEEL FACIL
NN	PHOSPHATE ROCK PLANTS
NNN	VOC EMISS OF SOCFI DISTILLATION OPERATN

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O	SEWAGE TREATMENT PLANTS
OOO	NONMETALLIC MINERAL PROCESSING PLANTS
P	PRIMARY COPPER SMELTERS
PP	AMMONIUM SULFATE MANUFAC
PPP	WOOL FIBERGLASS INSULATION PRODUCTION - NSPS
Q	PRIMARY ZINC SMELTERS
QQ	GRAPH ART: PUBLICATION ROTOGRAVURE PRINT
QQQ	VOC EMISS PETRO REFINERY WATERWASTE SYS
R	PRIMARY LEAD SMELTERS
RR	PRESSR-SENS TPE, LABEL SURFACE COATING
RRR	SOCMI REACTOR
S	PRIMARY ALUMINUM REDUCTION PLANTS
SS	LARGE APPLIANCES
SSS	MAGNETIC TAPE COATING
T	PHOSPHATE FRTLZR: WET-PROC PHOSPH ACID
TT	METAL COIL SURFACE COATING
TTT	IND-SURF-COAT: PLASTICS, BUSINESS MACHNS
U	PHOSPHATE FRTLZR: SUPERPHOSPHORIC ACID
UU	ASPHALT PROCESSING & ROOFING MANUFACTURE
UUU	CALCINERS/DRYERS IN MINERAL INDUSTRIES
V	PHOSPHATE FRTLZR: DIAMMONIUM PHOS PLANT
VV	EQUIPT VOC LEAKS IN SYNTH-ORGAN-CHEM MFG
VVV	POLYMERIC COATING OF SUPPORTING SUBSTRATS FACILITIES - NSPS
W	PHOSPHATE FRTLZR: TRIPLE SUPERPHOS PLNT
WW	BEVERAGE CAN SURFACE COATING
WWW	MUNICIPAL SOLID WASTE LANDFILLS
X	PHOSPHATE FRTLZR: GRANULAR 3-SUPER STOR
XX	BULK GASOLINE TERMINALS
Y	COAL PREPARATION PLANTS
Z	FERROALLOY PRODUCTION FACILITIES

STAB (State Code) Two-character postal abbreviation code to identify the state where the plant is located.

STRT (Plant Street Address) Field that indicates the street address for the physical location of the plant.

ZIPC (Zip Code) Field that contains the five or nine-digit zip code for the plant address.

## APPENDIX 1- POLLUTANT CODES

AB	ASBESTOS
ACEHY	ACETALDEHYDE
ACEPH	ACETOPHENONE
ACET	ACETONE
ACETM	ACETAMIDE
ACETR	ACETONITRILE
ACETY	ACETYLENES (ALKYNES)
ACRAC	ACRYLIC ACID
ACRLA	ACRYLAMIDE
ACRLE	ACROLEIN
ACRNI	ACRYLONITRILE
ADMIN	ADMINISTRATION
AGC	SILVER COMPOUNDS
AL-PT	ALUMINUM (TSP)
ALC	ALUMINUM COMPOUNDS
ALDHY	ALDEHYDES
ANILI	ANILINE
ANISO	ANISIDINE,O-
ANTCO	ANTIMONY COMPOUNDS (E649921)
AROM	AROMATICS
ARSCO	ARSENIC COMPOUNDS (E649418)
AS	ARSENIC
ASC	ARSENIC COMPOUNDS
BA-PT	BARIUM
BAC	BARIUM COMPOUNDS
BAYGN	BAYGON
BDCEE	BIS(2-CHLOROETHYL) ETHER
BE	BERYLLIUM
BEC	BERYLLIUM COMPOUNDS
BENYC	BENZYL CHLORIDE
BENZI	BENZIDINE
BERCO	BERYLLIUM COMPOUNDS (E649947)
BETRC	BENZOTRICHLORIDE
BIPHE	BIPHENYL
BROMO	BROMOFORM
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
BUT13	BUTADIENE,1,3-
BZ	BENZENE
CAA	CHLOROACETIC ACID
CACHO	CATECHOL
CACNA	CALCIUM CYANAMIDE
CADCO	CADMIUM COMPOUNDS (E649954)
CADIS	CARBON DISULFIDE
CAPRO	CAPROLACTAM
CAPTA	CAPTAN
CARBA	CARBARYL
CATET	CARBON TETRACHLORIDE
CD	CADMIUM

CDC	CADMIUM COMPOUNDS
CE	COKE OVEN EMISSIONS
CFC	CHLOROFLUOROCARBONS
CHACP	CHLOROACETOPHENONE
CHBET	CHLOROBENZILATE
CHBNZ	CHLOROBENZENE
CHBT2	CHLOROBUTADIENE,2-,1,3-
CHDIF	CHLORODIFLUOROMETHANE
CHETB	CHLOROMETHYLETHER,BIS
CHLBN	CHLORAMBEN
CHLFO	CHLOROFORM
CHLRD	CHLORDANE
CHPR3	CHLOROPROPENE ,3-
CHRCO	CHROMIUM COMPOUNDS (E649962)
CH4	METHANE
CL	CHLORINE
CLD	CHLORINATED DIOXIN
CLD&F	CHLORINATED DIOXIN AND FURANS 2,3,7,8 CONGENERS ONLY (TEQ) (E17000407)
CLETH	CHLOROETHANE
CLPH	CHLOROPHENOLS
CNC	CYANIDE COMPOUNDS
CO	CARBON MONOXIDE
COBCO	COBALT COMPOUNDS (E649970)
COC	COBALT COMPOUNDS
COE	COKE OVEN COMPOUNDS (E649830)
COS	CARBONYL SULFIDE
CRC	CHROMIUM COMPOUNDS
CRSL	CRESOL (ALL ISOMERS)
CRSLM	CRESOL,M-
CRSLO	CRESOL,O-
CRSLP	CRESOL,P-
CR6PT	CHROMIUM VI
CU-PT	COPPER (TSP)
CUC	COPPER COMPOUNDS
CUREN	CURENE
C9H12	ETHYLIDENE-2-NORBORNENE
DBCP1	DIBROMOCHLOROPROPANE,1,2,3-
DBNZF	DIBENZOFURAN
DCB14	DICHLOROBENZENE,1,4-
DCB33	DICHLOROBENZIDINE,3,3'-
DCE11	DICHLOROETHANE,1,1-
DCP12	DICHLOROPROPANE,1,2-
DCP13	DICHLOROPROPENE,1,3-
DDE	DDE (DICHLORODIPHENYLDICHLOROETHYLENE)
DDVP	VAPONA
DEHP	ETHYLHEXYLPHTHALATE,BIS,2-
DES	DIETHYL SULFATE
DIAZM	DIAZOMETHANE
DIETA	DIETHANOLAMINE

## APPENDIX 1- POLLUTANT CODES

DMANN	DIMETHYLANILINE,N,N-
DMAZ4	DIMETHYLAMINOAZOBENZENE,4-
DMB33	DIMETHYLBENZIDINE,3,3'-
DMD44	DIPHENYLMETHANEDIISOCYANATE,4,4'-
DMFNN	DIMETHYLFORMAMIDE,N,N-
DMH11	DIMETHYLHYDRAZINE,1,1-
DMN	N-NITROSODIMETHYLAMINE
DMPHT	DIMETHYL PHTHALATE
DMSAT	DIMETHYL SULFATE
DMTCH	DIMETHYLCARBAMYL CHLORIDE
DMXBZ	DIMETHOXYBENZIDINE,3,3'-
DNBP	DI-N-BUTYL PHTHALATE
DNP	DINITROPHENOL,2,4-
DNT24	DINITROTOLUENE,2,4-
DOC+	4,6-DINITRO-O-CRESOL INCLUDING SALTS_(E650077)
DT24	DIAMINOTOLUENE,2,4-
DXN14	DIOXANE,1,4-
EBENZ	ETHYLBENZENE AKA-PHENYLETHANE
ECH	EPICHLOROHYDRIN
EDB	ETHYLENE DIBROMIDE
EDC	ETHYLENE DICHLORIDE
EO	ETHYLENE OXIDE
EPB12	EPOXYBUTANE,1,2-
ETACR	ETHYL ACRYLATE (INHIBITED)
ETGLY	ETHYLENE GLYCOL
ETHAN	ETHANOL
ETHYL	ETHYLENE AKA-ETHENE
ETLEN	ETHYLENEIMINE
ETU	ETHYLENE THIOUREA
FACIL	FACILITY-WIDE PERMIT REQUIREMENTS
FD	FUGITIVE DUST
FE	FUGITIVE EMISSIONS
FL	FLUORIDES
FMF	FINE MINERAL FIBERS_(E649533)
FORM	FORMALDEHYDE
FURAN	FURAN
GLYC	GLYCEROL
GLYET	GLYCOL ETHERS (E651141)
HC	TOTAL HYDROCARBONS
HCB	HEXACHLOROBENZENE
HCCH	1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE (AKA LINDANE)
HCCPD	HEXACHLOROCYCLOPENTADIENE
HCE	HEXACHLOROETHANE
HCL	HYDROGEN CHLORIDE
HCY	HYDROGEN CYANIDE
HC13B	HEXACHLORO-1,3-BUTADIENE
HC36	METHYL ETHYL KETONE
HC53	TETRACHLOROETHYLENE (PERCHLOROETHYLENE)

HC81	XYLENE(S)
HDRQ	HYDROQUINONE
HDRZB	HYDRAZOBENZENE
HDRZN	HYDRAZINE
HF	HYDROFLUORIC ACID
HG	MERCURY
HGC	MERCURY COMPOUNDS
HMPA	HEXAMETHYLPHOSPHORAMIDE
HNO3	NITRIC ACID
HPTCR	HEPTACHLOR
HSO4P	SULFURIC ACID
HXMDI	HEXAMETHYLENE DIISOCYANATE
HXNE	HEXANE,N-
H2	HYDROGEN
H2S	HYDROGEN SULFIDE
ISBTA	PROPANE, 2-METHYL-, ISOBUTANE
ISPBZ	ISOPROPYLBENZENE AKA-CUMENE
ISPR	ISOPHORONE
KETON	KETONES
LEACO	LEAD COMPOUNDS (E650002)
MAGCO	MANGANESE COMPOUNDS (E650010)
MC	METHYLENE CHLORIDE
MCANH	MALEIC ANHYDRIDE
MEA44	METHYLENEDIANILINE,4,4'-
MEBRO	METHYL BROMIDE
MECHE	METHYL CHLOROMETHYL ETHER
MECLD	METHYL CHLORIDE
MEISC	METHYL ISOCYANATE
MERCO	MERCURY COMPOUNDS (E650028)
MMA	METHYL METHACRYLATE
MMH	METHYL HYDRAZINE
MN-PT	MANGANESE
MNC	MANGANESE COMPOUNDS
MNU	N-NITROSO-N-METHYLUREA
MPN42	METHYLPENTANONE,4-,2-
MTBE	ETHER, TERT-BUTYL METHYL
MTNIO	METHANE, IODO-
MTNOL	METHANOL
MTXLR	METHOXYCHLOR
MXYL	M-XYLENE AKA-1,3-DIMETHYLBENZENE
NAPH	NAPHTHALENE
NB	NITROBENZENE
NDP4	NITRODIPHENYL,4-
NH3	AMMONIA
NI-PM	NICKEL POWDER
NI-PT	NICKEL
NIC	NICKEL COMPOUNDS
NIKCO	NICKEL COMPOUNDS (E650036)
NIPR2	NITROPROPANE,2-

## APPENDIX 1- POLLUTANT CODES

NMOL	N-NITROSOMORPHOLINE
NO	NITRIC OXIDE
NO2	NITROGEN DIOXIDE
NVOC	NON-VOLATILE ORGANIC COMPOUNDS
OACID	ORGANIC ACIDS
OD	ODORS
OLEF	OLEFINS
OT	OTHER EMISSIONS OTHER THAN ROAD BASED
OXYL	O-XYLENE AKA-1,2-DIMETHYLBENZENE
P	PHOSPHOROUS (YELLOW)
PAH6	ANTHRACENE
PARAF	PARAFFINS (ALKANES)
PATHI	PARATHION
PB	LEAD
PBB	POLYBROM. BIPHENYLS
PBC	LEAD COMPOUNDS
PCBS	POLYCHLORINATED BIPHENYLS
PCNB	PENTACHLORONITROBENZENE
PCP	PENTACHLOROPHENOL
PDAP	PHENYLENEDIAMINE,P-
PGLY	PROPANEDIOL,1,2-
PHNOL	PHENOL
PHPNE	PHOSPHINE
PHSGN	PHOSGENE
PLB	PROPIOLACTONE,B-
PM10	PARTICULATE MATTER < 10 UM
PM2.5	PARTICULATE MATTER < 2.5 UM
PNP	NITROPHENOL,P-
POM	POLYCYCLIC ORGANIC MATTER
PQNON	P-QUINONE
PRAL	PROPIONALDEHYDE
PRENM	PROPYLENEIMINE
PROSU	PROPANE SULTONE
PROX	PROPYLENE OXIDE
PRPYL	PROPYLENE
PT	TOTAL PARTICULATE MATTER
PTCAN	PHTHALIC ANHYDRIDE
PX	POLLUTANT X
PXYL	P-XYLENE AKA-1,4-DIMETHYLBENZENE
P1	FINE PARTICULATES: HIGH PROBABILITY OF VIOLATION
P2	FINE PARTICULATES: LOW PROBABILITY OF VIOLATION
P224T	PENTANE, 2,2,4-TRIMETHYL-
QNLNE	QUINOLINE
RADNU	RADIONUCLIDES (INCLUDING RADON)5 (E649632)
RD	RADIONUCLEIDES
ROC	REACTIVE ORGANIC COMPOUND
RSC	REDUCED SILVER COMPOUNDS
SB-PT	ANTIMONY (TSP)

SBC	ANTIMONY COMPOUNDS
SEC	SELENIUM COMPOUNDS (E650044)
SF6	SULPHUR HEXAFLUORIDE
SO2	SULFUR DIOXIDE
SO3	SULFUR TRIOXIDE
SO4	SULFATES
STYOX	STYRENE OXIDE
STYR	STYRENE AKA-ETHENYLBENZENE
SVOC	SEMI-VOLITALE ORGANIC COMPOUNDS
TB124	TRICHLOROBENZENE,1,2,4-
TCA	1,1,1-TRICHLOROETHANE
TCDF	TETRACHLORODIBENZOFURAN,2,3,7,8-
TCE12	TETRACHLOROETHANE,1,1,2,2-
TC245	TRICHLOROPHENOL,2,4,5-
TC246	TRICHLOROPHENOL,2,4,6-
TEA	TRIETHYLAMINE
TE112	TRICHLOROETHANE,1,1,2-
THAP	TOTAL HAP POLLUTANT
TI	THALLIUM
TI-PT	TITANIUM (TSP)
TIN	TIN, AS SN
TITE	TITANIUM TETRACHLORIDE
TNMOC	TOTAL NON-METHANE ORGANIC COMPOUNDS
TOLU	TOLUENE AKA-METHYLBENZENE
TOLUO	TOLUIDINE,O-
TOX	TOXAPHENE
TRFLR	TRIFLURALIN
TS	TOTAL REDUCED SULPHUR-SULFIDE
TSP	TOTAL SUSPENDED PARTICULATE (PHYSICAL PROPERTY)
T24DI	TOLUENE,24,DIISOCYANATE
URTHN	URETHANE
VC	VINYL CHLORIDE
VE	VISIBLE EMISSIONS
VHAP	VOLATILE ORGANIC HAZARDOUS AIR POLLUTANT
VOC	VOLATILE ORGANIC COMPOUNDS
VYAC	VINYL ACETATE
VYBR	VINYL BROMIDE
ZN	ZINC
ZNC	ZINC COMPOUNDS
11DCE	DICHLOROETHYLENE,1,1-
124TB	1,2,4-TRIMETHYLBENZENE AKA-PSEUDOC
2,4-D	2,4-DICHLOROPHENOXYACETIC ACID
2ACFL	FLUORENYLACETAMIDE,N-,2-
24XYL	XYLENOL
3CLET	TRICHLOROETHYLENE
43516	TRANS-CROTONALDEHYDE
43520	CIS-CROTONALDEHYDE
95166	HYDRAZINE MONOHYDRATE