1.0 PCS Data Elements Included in IDEA Data Download

The Integrated Data for Enforcement Analysis (IDEA) system incorporates data from the Permit Compliance System (PCS).

1.1 PCS DESCRIPTION

PCS is an information management system maintained by the Office of Compliance to track permit compliance and enforcement status of facilities regulated by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act. PCS is designed to support the NPDES program at the state, regional, and national levels. PCS is used by the following:

```
AZ - Arizona                    NJ - New Jersey
DE - Delaware                   OR - Oregon
IA - Iowa                       SC - South Carolina
KS - Kansas                     VA - Virginia
ME - Maine                      VT - Vermont
MS - Mississippi                WA - Washington
NC - North Carolina             WV - West Virginia
ND - North Dakota               WY - Wyoming
```

Active facilities are those currently in operation. Major/federally-reportable are facilities for which states must submit compliance and enforcement data to EPA. Under the Clean Water Act (CWA) a major facility is any NPDES facility or activity classified as such by the regional administrator, or in the case of approved state programs, the regional administrator in conjunction with the state director. Major municipal dischargers include all facilities with design flows of greater than one million gallons per day and facilities with EPA/state approved industrial pretreatment programs. Major industrial facilities are determined based on specific ratings criteria developed by EPA/state.

Minor/not federally-reportable are facilities for which states are not required to submit data to EPA. EPA is therefore not able to verify the accuracy or comparability of data for these permits, although the Agency tracks their names and locations and may have some data about their inspections and enforcement activity.

PCS records included in the download files are those for any permit indicated as belonging to one of the PCS user States. PCS includes the following data types:

•	Permit facility data
•	Compliance schedule violations
•	Inspection information
•	Enforcement actions

Only certain data elements from PCS are incorporated into IDEA and a subset of these are provided in the download format. This document contains a list of these data elements, as well as definitions. The data element table in Section 1.2 presents the PCS data elements in related groups.

1.1 PCS DATA ELEMENTS BY TABLE

Element Name	Data Type	Length	Long Name
**Permittee Information (PCS01.TXT 88,242 Records)**			
NPDES	Char	9	NPDES Identification Number
NAM1	Char	30	Facility Name 1
NAM2	*Char*	30	Facility Name 2
RSTR	Char	60	Facility Street Address
CYNM	Char	20	Facility City Name
CNTY	Char	5	County Code
STATE	Char	2	State Code
FLAT	Num	6	Latitude
FLON	Num	7	Longitude
IACC	Char	1	Facility Active Flag
MADI	Char	1	Major Discharge Indicator
PTYP	Char	1	Permit Type Code
FTYP	Char	1	Facility Type Code
SIC2	Num	4	SIC Code – Facility Description
LONC	Char	1	Latest Official Non-Compliance (Derived Value)
PTAC	Date	8	Permit Expiration Date
FHBC	Num	8	USGS Hydro Basin Code
FHBC_TEXT	Char	35	USGS Hydro Basin Code - Description
RWAT	Char	35	Receiving Waters
S303D	Char	1	Within .5 miles of 303D listed stream
COMBSO	Char	9	Number of Current CSO Outfalls
**Inspections (PCS02.TXT 354,335 Records)**			
NPDES	Char	9	NPDES Identification Number
INSPDTE	Num	9	Inspection Date
INSPTYP	Char	1	Inspection Type
INSPCOD	Char	1	Inspection Code
**Historic Compliance (PCS03.TXT 1,418,306 Records)**			
NPDES	Char	9	NPDES Identification Number
HQRTR	Num	5	Historic Noncompliance Quarter (YYYYQ)
HLRNC	Char	1	Historic Last Reported Noncompliance
**Effluent Violations (PCS04.TXT 396,833 Records)**			
NPDES	Char	9	NPDES Identification Number
DSCH	Char	3	Discharge Number from Pipe Schedule
PARAMTR	Char	5	Parameter Code
MVDT	Date	8	Monitoring Date
MVIO	Char	3	Effluent Violation Code – Worst Violation
VIND	Char	1	Violation Indicator
VWCS	Num	5	Highest Per cent Violation

Element Name	Data Type	Length	Long Name
SNCE	Char	1	RNC Detected
SNDE	Date	8	RNC Date for DMR
SRDE	Date	8	RNC Resolution Date
Single Event Violations (PCS05.TXT 92,085 Records)			
NPDES	Char	9	NPDES Identification Number
SVCD	Char	5	Single Event Violation Code
SVDT	Num	8	Single Event Violation Date
SNCS	Char	1	Single Event Violation RNC Detection Code
SNDS	Num	8	Single Event Violation RNC Detection Date
SRCS	Char	1	Single Event Violation RNC Resolution Code
SRDS	Date	8	Single Event Violation RNC Resolution Date
Compliance Schedule Violations (PCS06.TXT 108,511 Records)			
NPDES	Char	9	NPDES Identification Number
VCSN	Char	2	Compliance Schedule Number
VDCD	Char	4	Data Source Code
CVEV	Char	5	Event
CVIO	Char	3	Violation Code
CVDT	Num	6	Violation Date YYYYMM
SNCC	Char	1	RNC for Event
SNDC	Num	6	Date of RNC YYYYMM
SRCC	Char	1	Resolution of RNC
SRDC	Num	6	Resolution Date YYYYMM
DTSC	Num	8	Date
DTAC	Num	8	Actual Date
Enforcement Actions (PCS07.TXT 183,436 Records			
NPDES	Char	9	NPDES Identification Number
ENAC	Char	2	Enforcement Action Code
EATP	Char	1	Enforcement Action Type Order Issued (EPA/State)
ENDT	Num	9	Enforcement Action Date
APAM	Num	6	Penalty Amount Assessed
APPA	Num	6	Penalty Assessed by Judicial Decree

2.0   PCS Data Element Definitions

The following is a list of the PCS data elements and PCS-derived elements that appear in the IDEA download. The data elements are listed alphabetically by data element name.

APAM (Penalty Amount Assessed) A six-digit field that represents the dollar amount of the assessed administrative penalty, as identified in the final order.

APPA (Penalty Assessed by Judicial Decree) A six-digit field that represents the dollar amount of the Administrative Penalty Order as assessed by an officer of the court.

COMBSO Number of current CSO outfalls

CVDT (Compliance Schedule Violation Date) The actual date of the compliance schedule violation. It is usually equal to the compliance schedule date (DTSC).

CVEV (Compliance Schedule Violation Event Code) The compliance schedule event which is being violated. It relates a schedule violation to a compliance schedule event in the compliance schedule record.

CVIO (Compliance Schedule Violation Code) Violation code describing both automatically and manually detected compliance schedule violations.

C10	REPORTED LATE VIOLATION
C20	ACHIEVED LATE VIOLATION
C30	UNACHIEVED VIOLATION
C40	NOT RECEIVED VIOLATION
M00	MANUAL COMP VIOLATION (GENERIC)
M10	MANUAL REPORTED LATE VIOLATION
M20	MANUAL ACHIEVED LATE VIOLATION
M30	MANUAL UNACHIEVED VIOLATION
M40	MANUAL NOT RECEIVED VIOLATION

CNTY (County Code) FIPS Code for county where the facility is located.

CYNM (City Name) The name of the city where the facility is located. Each city name is defined with its corresponding city code in the system's city-state code table.

DSCH (Discharge Number) A three-digit code assigned for each point of discharge.

EATP (Enforcement Action Type Order Issued EPA/State) Indicates whether an enforcement action was issued by a state ('S') or EPA ('E').

ENAC (Enforcement Action Code) A code describing which enforcement action was taken in response to a violation.

05	Phone call
06	Permit appeal to EPR

07	Meeting with permittee
08	Letter of violation—effluent
09	Compliance inspection
10	308 Administrative Order
11	Administrative action planned
12	Pollution prevention order
13	Administrative action pending
14	308 order for MWPP
15	Section 308 letter
16	Show cause hearing or meeting
17	505 citizen suit notice
18	Adjudicatory hearing requested
19	Pretreatment referral
20	Notice of Violation (NOV)
21	Administrative Order (AO)
22	Administrative consent order (ACO)
23	309(A) (5) (A) Order
24	309 (A) (6)
25	Consent decree
26	Contempt action
27	Judicial action planned
29	Judicial action pending
30	Agency enforcement review
31	Referred to higher level review
32	Under review by state Attorney General
33	Under review by EPA Headquarters
34	Cease and Desist order
35	Stipulation court order
36	Civil action filed
37	Trial court order
38	Criminal action filed
39	Citizen suit consent decree
40	Penalty recommended
41	Contested case hearing
42	301 (I) extension
43	Permit modification request
44	Permit modification pending
45	Permit modified
46	Permit reissued
47	Tie in to municipality planned
48	Tie in to municipality underway
49	Sewer ban imposed
50	Referred to Attorney General—other
51	EIS required
52	Negative declaration
53	Referred to Attorney General—effluent

54	MCP required AO—EO
55	Compliance order with penalty
56	MCP schedule AO—EO
57	Under enforcement review
58	MCP schedule consent decree
59	Sewer ban early warning
60	CCP required AO—EO
61	Notice of potential penalty
62	CCP schedule AO—EO
63	Compliance order
65	Pretreatment NCP's
66	Consent administrative order with penalty
67	State agreed order
68	Compliance order/notice potential penalty
69	Other
70	Comment
71	Pretreatment consent decree
72	Pretreatment administrative order
73	404 dredge/fill administrative order
74	Failure to reapply
75	Federal facility compliance agreement
76	Administrative order – MCP
77	Referred to region
78	Administrative complaint field
79	Judicial administrative decree
80	Pollution control board EO
81	Final order of the board
82	Notice of noncompliance
83	Notice of Violation, FML
84	Stipulation/Order of RMDL action
85	Final order of abatement
86	Stipulation agreement
87	Director final findings/order
88	Enforcement conference agreement
89	Order of suspension
90	Order of revocation
91	Enforcement notice letter
92	Pre-enforcement conference letter
93	Enforcement conference letter
94	Director's warning letter
95	Enforcement conference
96	Administrative enforcement order
97	Emergency order, governor
98	Notice of violation, INFML
99	Notice of noncompliance, INFML

ENDT (Enforcement Action Date) The date of the enforcement action.

FBHC (USGS Hydro Basin Code) An eight-digit code assigned by the United States Geological Survey to identify drainage water basins for facilities by their geographic location. Also referred to as Cataloging Unit (CU) or Hydrologic Unit Code (HUC) by frequent users of Reach information.

FLAT (Latitude) The latitude of the facility or permit holder as maintained in the PCS system.

FLON (Longitude) The longitude of the facility or permit holder as maintained in the PCS system.

FTYP (Facility Type Code) A one-character field that combines information stored in the Industry Classification (INCL) and the Type of Ownership (TYPO) fields. Values include:

F	FEDERAL
I	INDUSTRIAL
M	MUNICIPAL
O	OTHER

HLRNC (Historic Noncompliance) The Historic Noncompliance field is derived by IDEA. IDEA retains the compliance data for the last eight quarters and displays it in this field. The noncompliance data corresponds to the quarter in HQRTR. The following codes indicate historic noncompliance:

C	COMPLIANT
D	NC-SNC DMR NON-RECPT
E	NC-SNC EFFLUENT VIOL
N	NC-RNC VIOLTNS ONLY
P	RESOLVED PENDING
R	RESOLVED
S	NC-SNC COMP SCHD VIO
T	NC-SNC COMP SCHD RPT
X	NC-SNC EF NONMNTH AV

HQRTR (Historic Noncompliance Quarter) This field displays the quarter that is referred to in the HNC field. IDEA retains historic noncompliance information for the last two years or eight quarters. Valid entries in this field include numbers from 1 to 8.

IACC (Facility Active Flag) A code that indicates whether the facility is currently active ('A') or inactive ('I').

INSPCOD (Inspection Code) One-character code that identifies the lead agency (i.e., EPA, State) conducting the inspection (named in INSPTYP).

C	Contractor	**R**	EPA (regional)
E	Corps of Engineers	**S**	State
J	Joint EPA & State (EPA lead)	**T**	Joint EPA & State (State lead)
N	NEIC		

INSPDTE (Inspection Date) Identifies the calendar date of the listed inspection (named in INSPTYP).

INSPTYP (Inspection Type) Contains a code describing the type of inspection that was conducted.

INSPTYP			
A	Performance audit	P	Pretreatment compliance inspection
B	Compliance bio-monitoring	R	Reconnaissance
C	Compliance evaluation (non-sampling)	S	Compliance sampling
D	Diagnostic	T	Field audit inspections
E	Corps of Engineers inspection	U	Independent user inspection w/ pretreatment audit
F	Pretreatment follow-up	W	Stormwater
G	Pretreatment audit	X	Toxics inspection
H	Compliance assistance	Y	CSO inspection
I	Industrial user inspection	Z	Sludge
J	Compliant	2	IU sampling inspection
K	CAFO (Concentrated Animal Feed Operation)	3	IU non-sampling inspection
L	Enforcement case support	4	IU toxics inspection
M	Multimedia	5	IU sampling inspection w/pretreatment audit
N	Spill	6	IU non-sampling inspection w/ pretreatment audit
O	Compliance evaluation inspection	7	IU toxics w/ pretreatment audit

LONC (Latest Official Non-Compliance) Derived values include:
    C   COMPLIANT
    D   NC-SNC DMR NON-RECPT
    E   NC-SNC EFFLUENT VIOL
    N   NC-RNC VIOLTNS ONLY
    P   RESOLVED PENDING
    R   RESOLVED
    S   NC-SNC COMP SCHD VIO
    T   NC-SNC COMP SCHD RPT
    X   NC-SNC EF NONMNTH AV

MADI (Major Discharge Indicator) One-character code that designates the facility as a major or minor discharger. A blank in this field indicates a minor discharger, an 'M' in this field indicates a major discharger.

MVDT (Measurement/Violation Monitoring Period End Date) An eight-digit field that indicates the monitoring period end date (YYYYMMDD) as stated on the Discharge Monitoring Report (DMR).

MVIO (Measurement/Violation Code) A three-character effluent violation code that describes the worst violation detected for this report parameter's measurements. Values are shown below.

8

D10 DMR Overdue (EPA)
D20 DMR Overdue (State)
D30 DMR Overdue (EPA/State)
E00 Measurement Only, No Violation
E01 Monitor Only, Quantity Absent
E11 Monitor Only, Concentration Absent
E21 Monitor Only, Quantity/Concentration Absent
E31 Limited, Quantity Absent
E41 Limited, Concentration Absent
E51 Limited, Quantity/Concentration Absent
E90 Numeric Violation

NAM1 (Facility Name 1) Contains a facility name segment which is part of the FNML. The FNML is the official or legal name used to distinguish this entity from similar entities, if any, in the same geographical area. The FNML is generally the name that appears on the NPDES application form. This particular facility name segment is the first 30 positions of the FNML.

NAM2 (Facility Name 2) Contains a facility name segment which is part of the FNML, the official or legal name used to distinguished this entity from similar entities, if any, in the same geographical area. The FNML is generally the name that appears on the NPDES application form. This particular facility name segment is the second 30 positions of the FNML.

NPDES (National Pollution Discharge Elimination System) This field contains a NPDES number formatted to define the general permit, the industrial classification, and the sequence number. This NPDES number may reflect either the permit or a facility covered by the permit.

PARAMTR (Parameter Code) A five-digit field that contains the parameter code. Usually the field contains a STORET parameter code; but, for toxicity testing parameters, the field contains a PCS-devised parameter code.

PPTAC (Permit Expiration Date) Date on which a given permit is scheduled to expire. An expired date does not mean the facility is operating without a permit. In most cases, the facility has applied for a permit renewal, but the responsible authority (local, state, or federal) has not completed the re-issuance. Typically facilities operate under the conditions of the expired permit until the renewal has been processed. Some states are experiencing a backlog in issuing permit renewals, particularly under the Clean Water Act. EPA suggests contacting the relevant state agency for more information about permit renewal status.

PTEV (Permit Expiration Event Code)

PTYP (Permit Type Code) The default type is standard. Values include:

	STANDARD
A	AFO/CAFO
B	STATE INDVL AFO/CAFO PERMITS
C	CONTROL/APPROVAL AUTH.
D	DUMMY EDI
F	GEN PMT COVRD FACILTY

```
G      GENERAL
H      STATE-WIDE GENERAL PERMTS
I      IND. PERMIT
J      STATE INDVL NON-NPDES PERMITS
L      SLUDGE ONLY
M      COMBINED SEWER OVERFLOW
N      SSO-SATEL-U
P      PRETREATER
R      STORM WATER GENERAL
S      STORMWATER
T      TEST EDI
U      UNPERMITTED
W      WETLANDS
X      GROUNDWATER
Y      304 L PERMIT
Z      DIS CON MECH-SPRFND SITES
```

RSTR (Facility Street Address) A 60 character field that contains the street address of the facility.

RWAT (Receiving Waters) The name of the river, stream, tributary, lake, or other body of water into which the effluent is discharged.

S303D (Within .5 miles of 303D listed stream)

SIC2 (SIC Code—Facility Description) The four-digit code for the principal activity causing the discharge at the facility as defined by the 1987 Standard Industrial Classification (SIC) Manual).

SNCC (QNCR Compliance Schedule Violation Detection Code) Indicates reportable noncompliance (RNC) for a particular compliance schedule violation event. Note that "Dis" means "discretionary."

A	Enf – Administrative Order	N	Rpt – Nonreceipt of DMR/CS report
B	DIS-Manual 2A4 – pass-thru	P	Enf – Administrative Order, non-monthly average
C	Chr – Chronic violation	Q	Dis-Manual 2B – Pretreatment
D	Dis-Manual other	R	Trc – Trace violation, non-monthly average
E	Dis-Manual 2F – Permit narrative	S	Sch – Compliance schedule violation
F	Dis-Manual 2G – Violation of concern	T	Trc – Trace limitations exceeded
G	Dis-Manual 2A1 – Effluent violation	U	Eff – Other violation w/ trace non-monthly average
H	Chr – Chronic violation, non-monthly average	V	Eff – Other violations with trace
I	Dis-Manual 2A2 – Unauthorized bypass	W	Dis-Manual 2E – Deficient report
J	Dis-Manual 2A3 – Unauthorized discharge	X	Eff-Manual Other violation with trace
K	Rpt – Nonreceipt violation, non-monthly average	Y	Trc – Manual trace
M	Dis-Manual 2B – Pretreatment	Z	Chr – Manual chronic

SNCE (QNCR Measurement/Violation Detection Code) A one-character field that indicates reportable noncompliance (RNC) for a particular measurement or Discharge Monitoring Report (DMR) non-receipt violation SRDC (QNCR Compliance Schedule Violation Resolution Date) The actual date of resolution or reported noncompliance for a particular compliance event.

SNCS (Single Event Violation RNC Detection Code) Indicates reportable noncompliance (RNC) for a particular violation event

SNDC (QNCR Compliance Schedule Violation Detection Date) A six-digit field that indicates the actual date (YYYYMM) of reportable noncompliance (RNC) for a particular compliance schedule violation event.

SNDE (QNCR Measurement/Violation Detection Date) An eight-digit field that indicates the actual date (YYYYMMDD) of reportable noncompliance (RNC) for a particular measurement or Discharge Monitoring Report (DMR) non-receipt violation.

SNDS (Single Event Violation RNC Detection Date) Date of reportable noncompliance (RNC) for a particular violation event.

SRCC (QNCR Compliance Schedule Violation Resolution Code) A one-character code that indicates resolution of reported noncompliance (RNC) for a particular compliance event.

A	NC-MANUAL UNRESOLVED RNC
B	RE-MANUAL BY EPA/STATE ACTION
W	NC-WAITING RNC RESOLUTION
1	NC-UNRESOLVED RNC
2	RE-BACK INTO COMPLIANCE
3	RP-DUE TO FORMAL EA
4	RP-IN COMPLIANCE LAST QTR
5	RE-RESOLVED RP BY EA W/ CL
6	RE-MANUAL RES BY EA W/ CL
7	RP-MANUAL RP-IN COMP W/ADM LMT
8	RP-MANUAL DUE TO FORMAL EA
9	RE-MANUAL BY BACK INTO COMPL

SRCS (Single Event Violation RNC Resolution Code) Code indicates how RNC was resolved.

A	NC-MANUAL UNRESOLVED RNC
B	RE-MANUAL BY EPA/STATE ACTION
W	NC-WAITING RNC RESOLUTION
1	NC-UNRESOLVED RNC
2	RE-BACK INTO COMPLIANCE
3	RP-DUE TO FORMAL EA
4	RP-IN COMPLIANCE LAST QTR
5	RE-RESOLVED RP BY EA W/ CL
6	RE-MANUAL RES BY EA W/ CL
7	RP-MANUAL RP-IN COMP W/ADM LMT
8	RP-MANUAL DUE TO FORMAL EA
9	RE-MANUAL BY BACK INTO COMPL

SRDC (Compliance Schedule Violation Resolution Date) A six-digit field that indicates the actual date (YYYYMM) of resolution or reported noncompliance for a particular event.

SRDS (Single Event Violation RNC Resolution Date) The Resolution Date indicates when enforcement action against the facility can be closed (when all compliance schedules have been completed).

SRDE (QNCR Measurement/Violation Resolution Date) An eight-digit field that indicates the actual date of resolution of reportable noncompliance (RNC) for a particular measurement or Discharge Monitoring Report (DMR) non-receipt violation

STATE (Facility State) A two-character field that contains the state postal abbreviation for the state in which the facility where the violation(s) occurred is located

SVCD (Single Event Violation Code) A one-character code that describes both automatically and manually detected violations.

VDCD (Compliance Schedule Violation Data Source Code) A four-character field that indicates the compliance schedule data source code of the event being violated.

VCSN (Compliance Schedule Violation Compliance Schedule Number) A two-character field that displays the compliance schedule number of the compliance schedule event being violated.

VDT (Single Event Violation Date) If the facility is identified as being in violation of CWA requirements not related to their established permit requirements or a compliance schedule, these violations are presented in the section titled Single Event Violations. This field that is the date the violation occurred or, if unknown, the date the violation was discovered.

VIND (Measurement Violation Indicator) A one-character flag that indicates whether a measurement violation is linked to an enforcement action.

VWCS (Measurement/Violation Percent-Worst Case) A five-digit field that displays the highest Measurement/Violation Percent Concentration percent. This field is determined by comparing the percents reported in the
- Measurement/Violation Percent Quantity-Average (VQAV),
- Measurement/Violation Percent Quantity-Maximum (VQMX),
- Measurement/Violation Percent Concentration-Average (VCAV),
- Measurement/Violation Percent Concentration-Maximum (VCMX),
- and Measurement/Violation Percent Concentration-Minimum (VCMN) fields.

The field with the highest percent is reported as the Measurement/Violation Percent-Worst Case (VWCS).