

Level	Attribute	Value	ICIS SQL	PCS SQL	Notes
Facility	State		icis_facility_interest.state_code	STTE IN ('AZ', 'DE', 'IA', 'KS', 'ME', 'MS', 'NC', 'ND', 'NJ', 'OR', 'SC', 'VA', 'VT', 'WA', 'WV', 'WY')	
	Count of facilities		count(distinct icis_facility_interest_id)	count(distinct NPID)	
Permit	Major/minor	Major	icis_permit.major_minor_status_flag = 'M'	MADI = 'M'	
		Non-major	nvl(icis_permit.major_minor_status_flag, 'N') = 'N'	MADI IS NULL	Non-majors includes unpermitted facilities in ICIS (major_minor_status_flag is null) and PCS (MADI is null).
	Permit type	NPDES individual	icis_permit.permit_type_code = 'NPD'	PTYP IS NULL	
		NPDES general	icis_permit.permit_type_code = 'GPC'	PTYP IN ('G', 'R')	
		Unpermitted	icis_permit.permit_type_code = 'UFT'	PTYP = 'U'	
	Active status	Active	icis_permit.permit_status_code not in ('TRM', 'RET', 'NON', 'PND')	IACC='A' and (PTYP!='U' or PTYP IS NULL)	Active-only should exclude unpermitted facilities. In ICIS, unpermitteds are excluded because their permit_status_code is null. In PCS, unpermitteds may be recorded as active, so we have to explicitly exclude them (unless PTYP is already constrained to other values).
Authority	State	icis_permit.agency_type_code not in ('EC6', 'EO6', 'EP6', 'RG6')	EPST NOT IN ('E', 'P', 'Q') OR EPST IS NULL		
		EPA	icis_permit.agency_type_code in ('EC6', 'EO6', 'EP6', 'RG6')	EPST IN ('E', 'P', 'Q')	
Enforcement action	Lead agency	State	icis_activity.state_epa_flag = 'S'	EATP = 'S'	
		EPA	icis_activity.state_epa_flag = 'E'	EATP = 'E'	
	Action type	Informal action	icis_activity.activity_type_code = 'AIF'	ENAC NOT IN ('A1', 'A5', 'C1', 'C2', '21', '22', '25', '71', '72', '75', '89', '97')	
		Formal action	icis_activity.activity_type_code in ('AFR', 'JDC')	ENAC IN ('A1', 'A5', 'C1', 'C2', '21', '22', '25', '71', '72', '75', '89', '97')	
		Formal action that addresses SNC	icis_activity.activity_type_code in ('AFR', 'JDC') and icis_enf_conclusion.enf_conclusion_action_code not in ('APO', 'NOD')	ENAC IN ('C1', 'C2', '21', '22', '25', '71', '72', '75', '89', '97')	
	Achieved Date		icis_enforcement.achieved_date	ENDT	
	Final order entered date/issued date		icis_enf_conclusion.settlement_entered_date	ENDT	
	Penalty assessed		icis_enf_conclusion.fed_penalty_assessed_amt (EPA lead) or icis_enf_conclusion.state_local_penalty_amt (State lead)	APAM or APPA	
	Complaint lodged date		icis_enf_conclusion.settlement_lodged_date	ENDT	
	Complaint filed date		icis_sub_activity.actual_date where icis_sub_activity.sub_activity_type_code = 'CMF'	ENDT	
Violation type code			EVTPT		
Single event violation	Lead agency	State	icis_activity.state_epa_flag = 'S'	RDS1 IS NULL OR SUBSTR(RDS1, 1, 1) NOT IN ('E', 'T')	
		EPA	icis_activity.state_epa_flag = 'E'	SUBSTR(RDS1, 1, 1) IN ('E', 'T')	
	Violation date		icis_npdes_violation.single_event_violation_date	SVDT	
Inspection	Count of inspections		count(activity_id) where icis_activity.activity_type_code = 'INS'		
	Lead agency	State	icis_activity.state_epa_flag = 'S'	(INSP IN ('A', 'L', 'P', 'S', 'T') OR INSP IS NULL) AND TYPI != 'O'	per CMS 1.A.1, 1.B.a
		EPA	icis_activity.state_epa_flag = 'E'	INSP IN ('B', 'E', 'J', 'N', 'O', 'R')	per CMS 1.A.1, 1.B.a
	Inspection date		icis_activity.actual_end_date	DTIN	per CMS 1.A.1, 1.B.a
Compliance schedule	CS milestone in FY		cse.schedule_date between date '2010-10-01' and date '2011-09-30'	((DTSC < '20101001' and DTRC is null) or DTSC between '20101001' and '20110930') and CSFN is not null	
	unresolved CS violations within date range		v.mc_resolution_code in ('A', '1') or v.mc_resolution_date > date '2011-09-30')	SRCC in ('1', 'A') OR SRDC > '20110930'	
	scheduled permit milestone in FY		icis_perm_schedule_event.schedule_date between date '2010-10-01' and date '2011-09-30'	((DTSC < '20101001' and DTRC is null) or DTSC between '20101001' and '20110930') and CSFN is null	
	unresolved permit violation for FY		(icis_npdes_violation.mc_resolution_code in ('1', 'A') or icis_npdes_violation.mc_resolution_date > date '2011-09-30')	SRCC in ('1', 'A') OR SRDC > '20110930'	
DMR	DMR violation		icis_npdes_violation.violation_code in ('E90', 'D80', 'D90')	MVIO != 'E00'	
	DMR due date		icis_dmr_event.monitoring_period_end_date	MVDT	DMR due dates are readily available in ICIS, but not in PCS, so for consistency use the monitoring period end date for both. The monitoring period end date is also more appropriate for violation counts.