



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

What's so Significant about SNC?

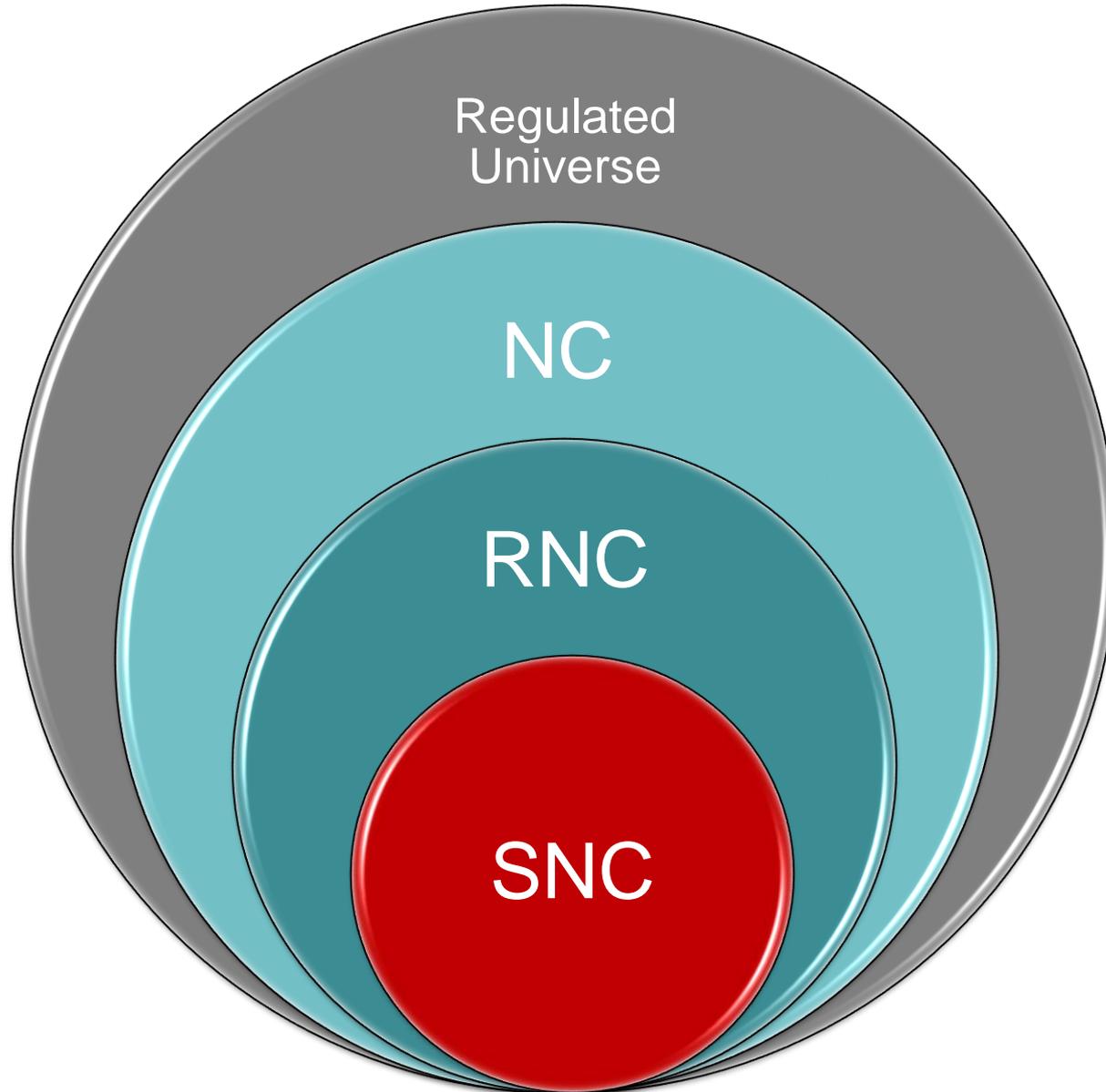
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Compliance and Enforcement



Significant Noncompliance (SNC)

- 💧 Subset of reportable noncompliance (RNC)
- 💧 Violations most likely to result in environmental harm
- 💧 SNC not a regulatory requirement, it is a tool developed as national guidance



Why is SNC Important?

Allows targeting of limited enforcement resources to those violations posing the greatest risk to health and the environment



SNC Effluent Violations

- 💧 Effluent limits
- 💧 Any effluent violation causing a water quality or health problem



SNC Non-Effluent Violations

- 💧 Unpermitted discharge
- 💧 Unauthorized bypass
- 💧 Pass through of pollutants
- 💧 Failure to implement or enforce a pretreatment program

Permit or Enforcement Schedule Violations

- 💧 Permit Schedule Violations
- 💧 Pretreatment schedule milestone violations
- 💧 Administrative Order or Court Order milestone violations
- 💧 SNC if not complete within 90 days of scheduled date



Event	Amt Due	Amt Paid	Due Date	Actual Date
Status/Progress Report			07/28/2017	07/25/2017
Status/Progress Report			01/28/2017	01/28/2017
Status/Progress Report			07/28/2016	07/25/2016
Status/Progress Report			01/28/2016	01/29/2016
Status/Progress Report			07/28/2015	07/23/2015
Status/Progress Report			01/28/2015	01/28/2015
Status/Progress Report			07/28/2014	07/28/2014
Facility Evaluation Plan			04/16/2014	04/16/2014
Status/Progress Report			01/28/2014	01/28/2014
Corrective Action Completed			01/16/2014	12/30/2013
Status/Progress Report			07/28/2013	07/28/2013
Response Due			07/15/2013	07/16/2013
Response Due			04/16/2013	04/15/2013
Response Due			04/16/2013	04/15/2013

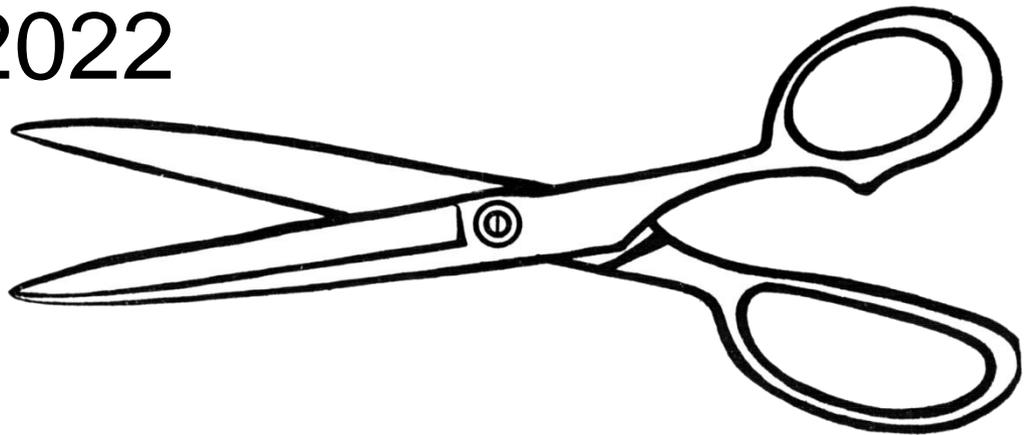
Permit Reporting Violations

- 💧 Discharge monitoring reports
 - 💧 Missing, late, or incomplete
- 💧 Pretreatment performance reports
- 💧 I&I reports
- 💧 Annual reports
- 💧 Sludge reports



EPA National Compliance Initiative (NCI)

- 💧 June 7, 2019 CWA NPDES SNC NCI
- 💧 50% reduction NPDES SNC rate
- 💧 Reduce rate from 29.4% to 14.7% by end of FFY 2022



Why the SNC Initiative?

- 💧 National SNC rate consistently high for decades at 20-30%
- 💧 Increase rate of environmental law compliance
- 💧 SNC data can be used to track and measure noncompliance trends nationally, regionally, and state by state



Which Facilities?

- 💧 All individually permitted NPDES facilities with serious violations (majors in SNC, and minors in category I RNC)

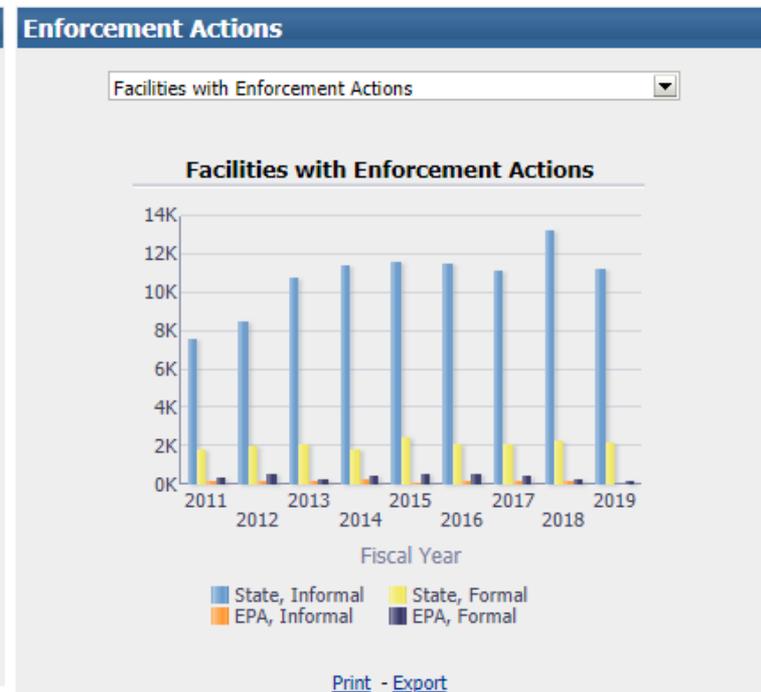
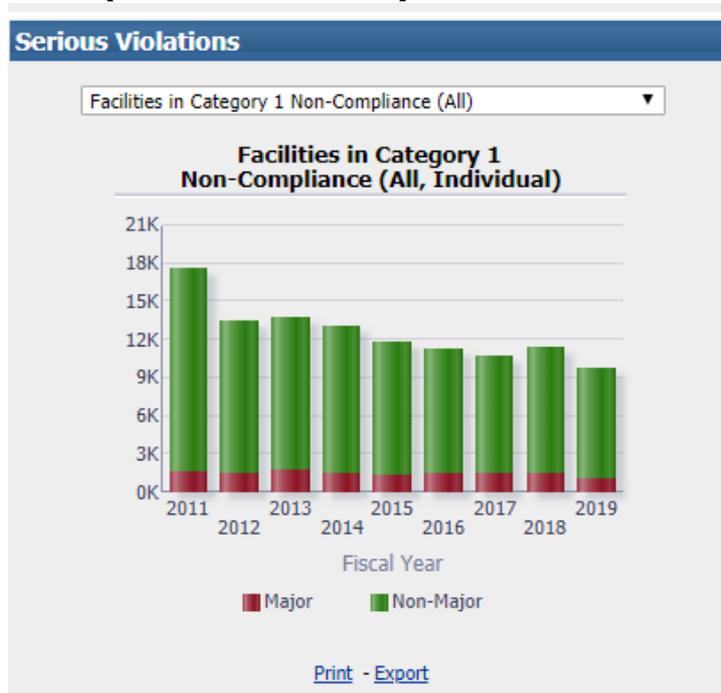


Majority of SNC Violations?

- 💧 Majority of SNC Violations are related to reporting
 - 💧 Non-receipt of reports
 - 💧 Late Reports
 - 💧 Incomplete Reports

Where Will the Reports be Found?

💧 Enforcement and Compliance History Online (ECHO)



ECHO

- 💧 Identifies violations based on data, compared to permit requirements in ICIS
- 💧 Evaluates whether required data was received on time
- 💧 Recognizes formal enforcement actions

ECHO

- 💧 Data available in ECHO 2.5 months after the end of the quarter
- 💧 Calculated on a 4 quarter rolling rate
- 💧 Each State is responsible for quality assurance on its data
- 💧 Critical for batch submission states like Missouri

ECHO Challenges

- 💧 If we have data errors, and late submissions they must be entered by hand in order to be counted accurately
- 💧 Data errors corrected by batch take too long to re-run in ECHO, unlikely to be corrected before report is posted

ECHO Future Solutions

- 💧 EPA is attempting to make the process of re-running corrected data easier
- 💧 New NPDES Noncompliance Report (NNCR) is due 12/21/2021

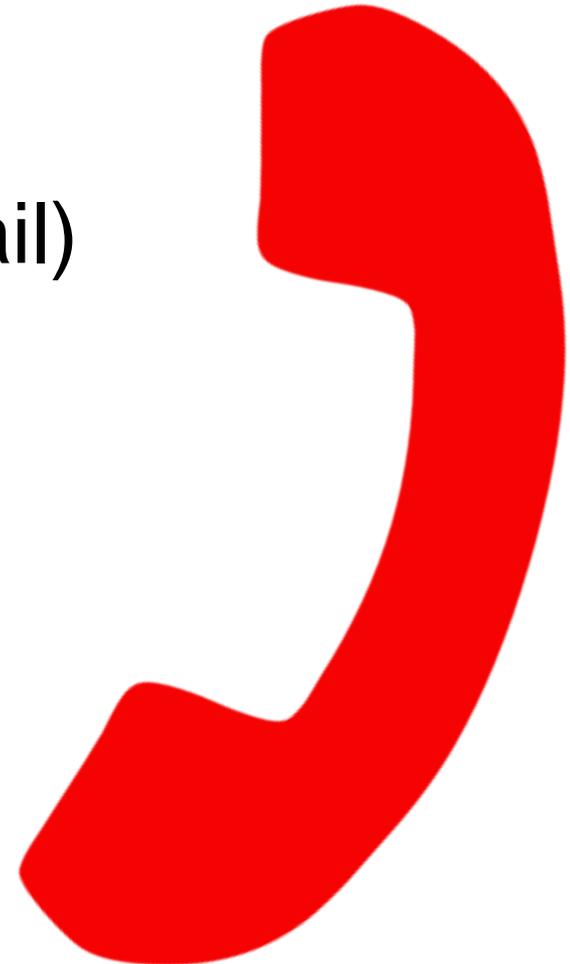


DNR's Response?

- 💧 Use Dialer for specific reminders
- 💧 Share SNC statistics with staff monthly
- 💧 Distribute monthly action lists for specific parameters
- 💧 Monitor progress monthly

State Tools

- 💧 Reminders
 - 💧 Dialer (telephone or email)
 - 💧 Record Review letters
- 💧 Compliance Assistance
- 💧 Formal enforcement



Targeted Reminders

- 💧 History of late, incomplete, or failed submissions
- 💧 History of incorrect entry of DMR data



Targeted Assistance

- 💧 Review DMR data, permit and inspections
- 💧 Suggest specific type of assistance
 - 💧 Operational improvements
 - 💧 Guidance for upgrades

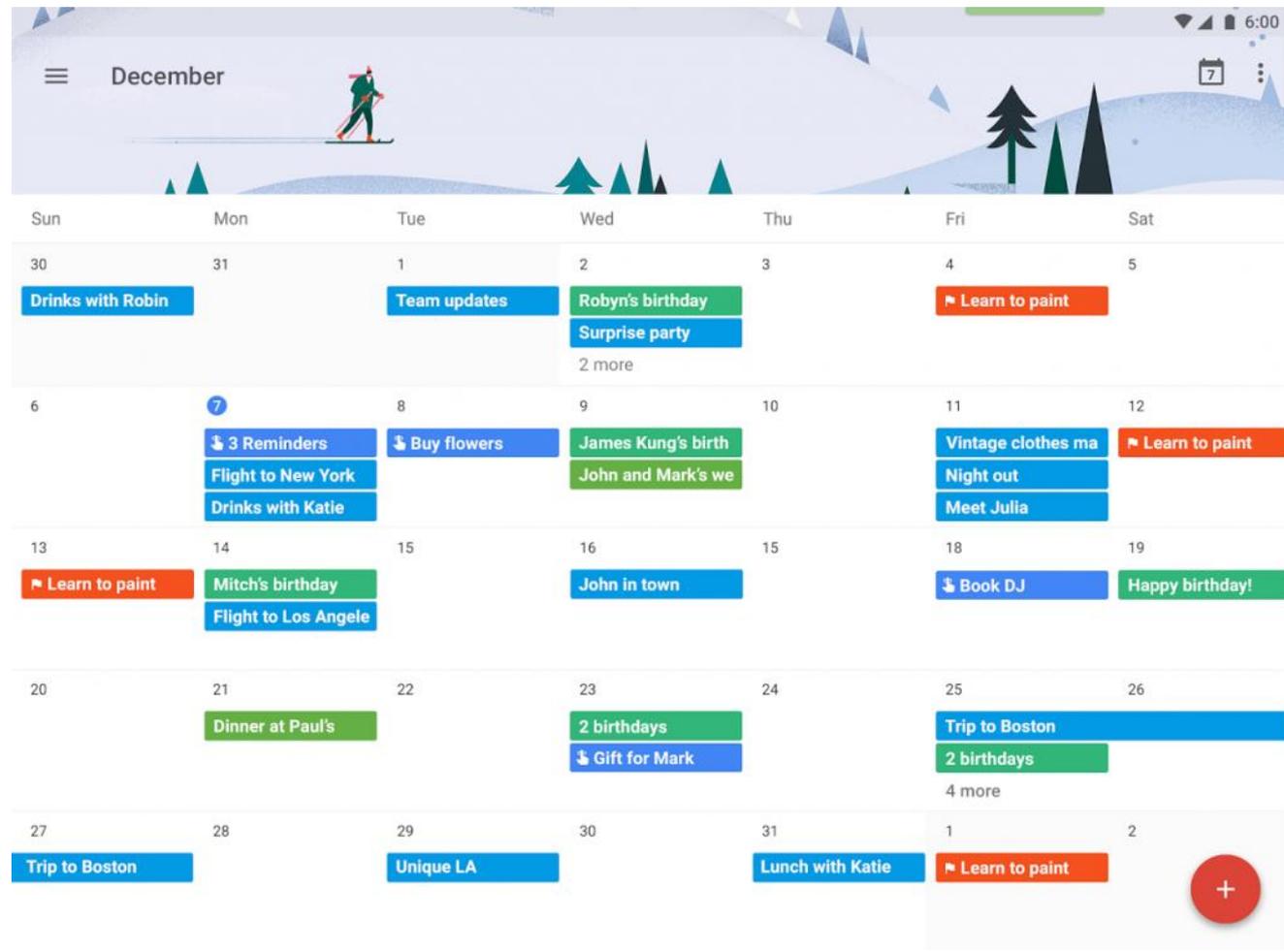
How can DNR and Environmental Professionals Help Facilities Get and Stay out of SNC?

- 💧 Avoid SNC
- 💧 Prompt return to compliance
- 💧 Timely formal enforcement



SNC Avoidance Tools

Calendar



The screenshot shows a mobile calendar application for the month of December. The interface includes a header with the month name, a navigation menu, and a decorative background image of a skier. The calendar grid displays events for each day, with color-coded buttons for each event. A red plus sign in a circle is visible in the bottom right corner, indicating a 'Add' button.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30 Drinks with Robin	31	1 Team updates	2 Robyn's birthday Surprise party 2 more	3	4 Learn to paint	5
6	7 3 Reminders Flight to New York Drinks with Katie	8 Buy flowers	9 James Kung's birth John and Mark's we	10	11 Vintage clothes ma Night out Meet Julia	12 Learn to paint
13 Learn to paint	14 Mitch's birthday Flight to Los Angele	15	16 John in town	17	18 Book DJ	19 Happy birthday!
20	21 Dinner at Paul's	22	23 2 birthdays Gift for Mark	24	25 Trip to Boston 2 birthdays 4 more	26
27 Trip to Boston	28	29 Unique LA	30	31 Lunch with Katie	1 Learn to paint	2



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Avoidance Tools Continued

Permit

STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Quarterly Minimum Sampling Requirements

Quarter	Months	Influent Parameters	Report is Due
First	January, February, March	Sample at least once during any month of the quarter	April 28 th
Second	April, May, June	Sample at least once during any month of the quarter	July 28 th
Third	July, August, September	Sample at least once during any month of the quarter	October 28 th
Fourth	October, November, December	Sample at least once during any month of the quarter	January 28 th

The permittee shall also submit a report via the Electronic Discharge Monitoring Report (eDMR) Submission System annually, by January 28th, for the previous calendar year. The report shall contain the following information:

- (a) A summary of the efforts to locate and eliminate sources of excessive infiltration and inflow into the collection system serving the facility for the previous year.
- (b) A summary of the general maintenance and repairs to the collection system serving the facility for the previous year.
- (c) A summary of any planned maintenance and repairs to the collection system serving the facility for the upcoming calendar year. This list shall include locations (GPS, 911 address, manhole number, etc.) and actions to be taken.

Reporting of Non-Detects:

- (a) An analysis conducted by the permittee or their contracted laboratory shall be conducted in such a way that the precision and accuracy of the analyzed result can be enumerated.
- (b) The permittee shall not report a sample result as “Non-Detect” without also reporting the detection limit of the test. Reporting as “Non Detect” without also including the detection limit will be considered failure to report, which is a violation of this permit.
- (c) The permittee shall provide the “Non-Detect” sample result using the less than sign and the minimum detection limit (e.g. <10).
- (d) Where the permit contains a Minimum Level (ML) and the permittee is granted authority in the permit to report zero in lieu of the < ML for a specified parameter (conventional, priority pollutants, metals, etc.), then zero (0) is to be reported for that parameter.
- (e) See Standard Conditions Part I, Section A, #4 regarding proper detection limits used for sample analysis.
- (f) When calculating monthly averages, one-half of the method detection limit (MDL) should be used instead of a zero. Where all data are below the MDL, the “<MDL” shall be reported as indicated in item (c).