

## 8. ECHO

Enforcement & Compliance History Online (ECHO) focuses on facility compliance and EPA/state enforcement of environmental regulations. Roughly 800,000 regulated facilities under the following environmental statutes are included in ECHO: Clean Air Act (CAA) Stationary Source Program, Clean Water Act (CWA), National Pollutant Discharge Elimination System (NPDES), and Resource Conservation and Recovery Act (RCRA). Through ECHO, site visitors can find inspection, violation, enforcement action, informal enforcement action, and penalty information about facilities for the past three years.

### 8.1 Open [ECHO](#).

### 8.2 Select **Water Data Search** from the list of options in the left, blue menu bar.

CWA data shown in ECHO comes from the Permit Compliance System (PCS) or the Integrated Compliance Information System - National Pollutant Discharge Elimination System (ICIS-NPDES). There is a gradual migration taking place as PCS is being phased out and replaced by ICIS.

### 8.3 Select Search **ICIS-NPDES**.



8. ECHO




8.4 Enter **SD0020796** into the Permit IDs box within the Facility Characteristics section and click the **Search** button.

8.5 Click the green **Map icon** on the Search Results page in the right, upper corner. Maps are available in three options from Google: map, satellite and hybrid. Violation information will appear on the map.

1 Records Returned

Information on the [enforcement process](#) is available on the FAQ page.  
 Entries in gray text denote records that are not federally required to be reported to EPA. These data may not be complete.

[New Search](#)  
[Add/Remove Columns](#)  
  [Download](#)

Facility Information <small>(select buttons next to the name to view additional reports - <a href="#">Legend</a>)</small>	Program ID#	Inspections (5 yrs)	Qtrs in Non Compliance (3 yrs)	# Effluent Exceedances (3 yrs)	Alleged Current Significant or Cat 1 Violations	Informal Enforcement Actions/NOVs (5 yrs)	Formal Enforcement Actions (5 yrs)	Penalties (5 yrs)	TRI Releases to Water (lbs)	Percent Minority (3 mile radius)
<a href="#">LEAD - DEADWOOD SANITARY DISTRICT</a> FO BOX 413 DEADWOOD, SD 57732   	SD0020796	5	3	3	no		1			4

Report Generated on 12/29/2009

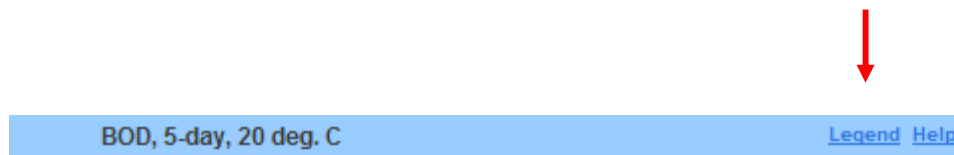
8.6 Click the **Lead-Deadwood Sanitary District** link at the bottom of the map. A detailed facility report appears.

8.7 Scroll down the detailed facility report to the Formal Enforcement Actions section.

**How many formal enforcement actions have been taken within the past 5 years?**

8.8 Scroll up to the Three Year Compliance Status by Quarter section. Click the **all violations** link. The NPDES Effluent Charts page opens.

8.9 Scroll to the first parameter, BOD. Looking at the BOD chart, notice the Legend and Help links in the top blue bar with the name of the parameter, BOD, 5-day, 20 deg. C. These links are available in the same location for each parameter in this section.



The ECHO legend provides the key for understanding the violation graphs. If the shape is open with a blue outline (not filled in with color), then a violation did not occur. If the shape is open but is a color other than blue, there was a previous violation that has been resolved. If the shape is filled in, there is a current violation. Red stands for Significant Noncompliance (SNC) and is the most egregious violation. Purple stands for Reportable Noncompliance (RNC). Yellow stands for an effluent violation. This violation is not as serious as an SNC or RNC. Green stands for a monitoring/reporting violation, in which case a report was not submitted properly.

	Limit	Measurement		Violation		
		no violn	violn	resolved	not resolved	
Max	—	△	▲	◇	◆	SNC
Avg	- - - - -	◇	◆	◇	◆	RNC
Min	—	▽	▼	◇	◆	effluent
					◆	monitoring/reporting

Looking at the chart, on which day were BOD violations recorded? \_\_\_\_\_

- 8.10 **Right-click** the BOD View Detail link, located just below the Legend and Help links at the top of the chart. A list of options appears. Choose **Open in New Window**. The BOD chart and its table of data appear in a new window.

Permit ID: SD0020796  
Address: POB DEADWOOD SD 57732  
Status: Effective  
Designation: Major  
Owner/Operator: Municipal or water district

BOD, 5-day, 20 deg. C

Discharge Point: 001  
Monitoring Location: Effluent gross  
Sampling Period: Monthly

Quantity Violns

Opens selected link in a new window.

Statute	Source ID	Type of Action	Lead Agency	Date
CWA	SD-N00000116	Administrative - Informal	State	10/20/2005

**Formal Enforcement Actions - (05 year history)**  
AFS, PCS, RCRAInfo, NCDB

Statute	Source ID	Type of Action	Lead Agency	Date	Penalty	Penalty Description
No data records returned.						

ICIS

Primary Law/Section	Case Number	Case Type	Lead Agency	Case Name	Issued/Filed Date	Settlement Date	Federal Penalty	State/Local Penalty	SEP Cost	Comp Action Cost
No data records returned.										

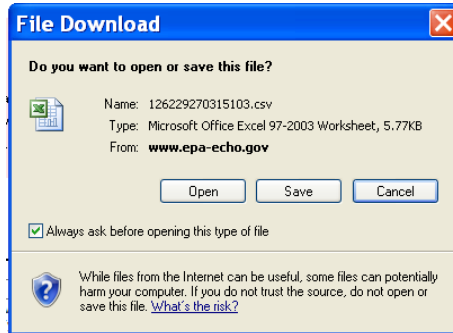
Scrolling through the table of data, what is the average limit number for BOD?  
\_\_\_\_\_

Still looking at the table of recorded data, on which date were violations recorded for BOD? \_\_\_\_\_

8.11 Scroll up and click the **green Download box**.



8.12 A file download box will appear. Select **Save** and the data can be opened in an Excel spreadsheet.



8.13 Return to the Detailed Facility Report page, Three Year Compliance Status by Quarter. Notice the “NMth” row for BOD, coliform and nitrogen.

**Where can the meaning of “NMth” be found?** \_\_\_\_\_

**What is the meaning of NMth?** \_\_\_\_\_  
 (Hint: Press Ctrl + F to help find NMth)

8.14 Return to ECHO’s home page, and select **Water Data Search** from the list on the left-hand side.

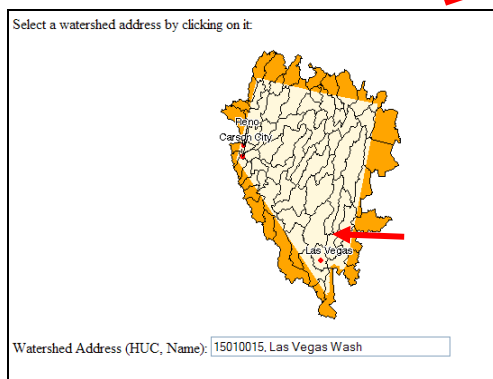
8.15 Click **ICIS**.




8.16 Scroll down the Search Compliance Form to the **Watershed Criteria** section.

8.17 Click the **Map** link and choose **Nevada**.

8.18 Click the city of **Las Vegas** on the map. The Watershed Criteria box automatically fills in the Las Vegas HUC.



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- 8.19 Click the **Search** button.
- 8.20 Click the purple **E** in the first column next to Timet Facility/BMI Complex. The E provides a direct link to the effluent charts and data. 
- 8.21 Click the **Back** button and return to the Search Results page.
- 8.22 Click the **Timet Facility/BMI Complex** hyperlink and review the detailed facility report.

**What do the red numbers indicate?** \_\_\_\_\_