

Rules to Live By Calculator



<http://arlweb.msha.gov/drs/rlb-violations-calculator.asp>

Rules to Live By Calculator

- ✎ It's a tool for mine operators, miners, and MSHA to calculate a mine's violation rate for the standards associated with the Rules To Live By (**RLB**) initiative.
- ✎ The goal is to prevent fatalities in mining because too many miners still lose their lives in preventable accidents.
- ✎ The loss of even one miner causes devastation and pain to the victim's family and friends.
- ✎ MSHA inspectors will share the results with mine operators during each inspection period.
- ✎ MSHA will review Rules to Live By violations for potential impact inspections each quarter.

Rules to Live By Calculator

This new tool can be used by mine operators to:

- ∞ Identify areas that require attention
- ∞ Track compliance with **RLB** Standards:
 - Check tool for improving or declining progress
- ∞ Develop training for mine examiners and supervisors
- ∞ Develop Accident Prevention materials for Parts 46 and 48 required training by focusing on cited **RLB** standards

Mine Data Retrieval System (MDRS)

- ☞ To use the tool, users will first need the **Mine ID number**.
- ☞ If you do not know the Mine ID, use the **Mine Data Retrieval System**.
- ☞ Find it on the MSHA website... **www.msha.gov**.
- ☞ In the middle of the page, and under **Mine Data Sources and Calculators**, click on the first bullet... **Mine Data Retrieval System**

MINE DATA SOURCES AND CALCULATORS

Mine Data Retrieval System

- Get violation, accident and inspection data for any mine or contractor

Data Sources

- Part 50 Data
- Part 50 Reports
- MSHA Datasets
- DOL Enforcement Data 2.5

Compliance Tools

- Monthly Monitoring Tool for Pattern of Violations (POV)
- Significant and Substantial (S&S) Rate Calculator
- Rules to Live By Calculator
- Key Underground Coal Standards (Part 75) Calculator

Mine Data Retrieval System (MDRS)

Operator Name:

Type in Operator Name Here

OR

OR

Mine Name:

Type in Mine Name Here

State:

All States (Optional w/ Name Searches)

Mines Desired:

AND

All Mines

Select the State

Include/Exclude Abandoned Mines

We have excluded abandoned mines by default in order to limit the returns for your search.

To include Abandoned Mines in your search results, uncheck the box.

Click

SEARCH

To Use the RLB Calculator

- ∞ The Beginning Date and Ending Date are pre-populated but can be modified for a specific date range.
- ∞ The default date range can be used by clicking submit after entering the Mine ID.
- ∞ There is a lag time associated with entering the data into MSHA systems, which may be reflected in the results of this application.
- ∞ To ensure that the application generates accurate results, the Ending Date must be at least **14 days prior to the date you are performing the search.**
- ∞ The national average is calculated based on the most recent one-year period.

Enter Mine ID and Dates

Rules to Live By Calculator

The Rules to Live By Calculator allows mine operators, miners and others to calculate a mine's violation rate for the standards most often associated with fatal accidents, as identified in MSHA's [Rules to Live By](#) initiative.

To learn more about how to use this tool, please see the [one-page introductory guide](#) or this [PowerPoint presentation](#).

Enter a Mine ID:

If you do not know the Mine ID, you can find it through the [Mine Data Retrieval System](#).

Date Range:

By default, the tool will search the most recent period for which data is available - the last quarter for underground mines and the last two quarters for surface mines and facilities. You can also input other date ranges. Data is available from January 1, 2010 up to 14 days prior to today's date. Only the current operator's history will be retrieved. Further more, data is refreshed on the 15th of every month.

Check Results:

The results page shows the number of Rules to Live By citations or orders issued and the number of inspection hours at that mine during the time frame. It also compares the mine's citation and order rate with the national average for that mine type in the most recent one-year period, and provides a link to each standard cited.

MSHA Inspector will share the results with Mine Operators during the inspection period. Additionally, MSHA will review the Rules to Live By violations for potential impact inspections each quarter.

MSHA Mine ID:

SEARCH

To conduct additional searches outside the most recent inspection period, select dates below:

MSHA Mine ID:

Beginning Date:

Ending Date:

SEARCH

Enter Mine ID and Dates

Rules to Live By Calculator

The Rules to Live By Calculator allows mine operators, miners and others to calculate a mine's violation rate for the standards most often associated with fatal accidents, as identified in MSHA's [Rules to Live By](#) initiative.

To learn more about how to use this tool, please see the [one-page introductory guide](#) or this [PowerPoint presentation](#).

Enter a Mine ID:

If you do not know the Mine ID, you can find it through the [Mine Data Retrieval System](#).

Date Range:

By default, the tool will search the most recent period for which data is available - the last quarter for underground mines and the last two quarters for surface mines and facilities. You can also input other date ranges. Data is available from January 1, 2010 up to 14 days prior to today's date. Only the current operator's history will be retrieved. Further more, data is refreshed on the 15th of every month.

Check Results:

The results page shows the number of Rules to Live By citations or orders issued and the number of inspection hours at that mine during the time frame. It also compares the mine's citation and order rate with the national average for that mine type in the most recent one-year period, and provides a link to each standard cited.

MSHA Inspector will share the results with Mine Operators during the inspection period. Additionally, MSHA will review the Rules to Live By violations for potential impact inspections each quarter.

MSHA Mine ID:

SEARCH

To conduct additional searches outside the most recent inspection period, select dates below:

MSHA Mine ID:

Beginning Date:

Ending Date:

SEARCH

Enter MSHA Mine ID

Rules to Live By Calculator

The Rules to Live By Calculator allows mine operators, miners and others to calculate a mine's violation rate for the standards most often associated with fatal accidents, as identified in MSHA's [Rules to Live By](#) initiative.

To learn more about how to use this tool, please see the [one-page introductory guide](#) or this [PowerPoint presentation](#).

Enter a Mine ID:

If you do not know the Mine ID, you can find it through the [Mine Data Retrieval System](#).

Date Range:

By default, the tool will search the most recent period for which data is available - the last quarter for underground mines and the last two quarters for surface mines and facilities. You can also input other date ranges. Data is available from January 1, 2010 up to 14 days prior to today's date. Only the current operator's history will be retrieved. Further more, data is refreshed on the 15th of every month.

Check Results

The results p
hours at that
average for t

Enter Mine ID and Click **Search** to use the same default range that MSHA will be using during its review for potential impact inspections.

inspection
e national
ited.

MSHA Inspe

review the Rules to Live By violations for potential impact inspections each quarter.

MSHA will

MSHA Mine ID:

SEARCH

To conduct additional searches outside the most recent inspection period, select dates below:

MSHA Mine ID:

Beginning Date:

Ending Date:

SEARCH

Enter MSHA Mine ID and Dates

Rules to Live By Calculator

The Rules to Live By Calculator allows mine operators, miners and others to calculate a mine's violation rate for the standards most often associated with fatal accidents, as identified in MSHA's [Rules to Live By](#) initiative.

To learn more about how to use this tool, please see the [one-page introductory guide](#) or this [PowerPoint presentation](#).

Enter a Mine ID:

If you do not know the Mine ID, you can find it through the [Mine Data Retrieval System](#).

Date Range:

By default, the tool will search the most recent period for which data is available - the last quarter for underground mines. Data is available for surface mines and underground mines. Data retrieval is available for surface mines and underground mines.

Check

The re
hours a
averag

To review past data outside the most recent inspection period, use the bottom line. The date ranges can be modified, but the Ending Date must be at least 14 days prior to the current date the search is being performed. Enter Mine ID, the desired Dates, and Click **Search**.

MSHA

review the Rules to Live By violations for potential impact inspections each quarter.

Double check that the end date is after the beginning date.

To conduct additional searches outside the most recent inspection period, select dates below:

MSHA Mine ID:

Beginning Date:

mm/dd/yyyy

Ending Date:

mm/dd/yyyy

SEARCH



Rules to Live By Calculation Results

Operator Name: Sample Mine Operator

Mine Name: Sample Mine Name

The evaluation below is for the date range of **01/01/2016** through **03/31/2016**

8 C/O's were issued for Rules to Live By standards during **505.75** inspection hours resulting in a rate of **1.58**
The National Average is **1.7**. **This mine is Lower than the National Average.**

The calculation for this rate is the number of violations / inspection hours X 100

Violation(s)	30 CFR
3	75.202(a)
1	75.220(a)(1)
4	75.370(a)(1)

If the operator's average is lower than the National Average, the rate will be reported in **GREEN**.

National Rates

- At the bottom of the result screen, the National Rate for each Mine Type will be displayed.

An Important Note: The information provided by this application is based on data gathered from various MSHA systems. As there may be a lag time in data being entered into those systems, there will also be a lag in the reflection of that data on this application.

Rules to Live By C/O's per 100 Inspection Hours - 12-month Period 01-Jan-2015 through 31-Dec-2015

Primary Mine Type/Classification	National Rate
Facility Coal	0.51
Surface Coal	0.98
Underground Coal	1.70
Facility Metal/NonMetal	2.17
Surface Metal/NonMetal	2.91
Underground Metal/NonMetal	0.92

Rules to Live By Calculation Results

Rules to Live By Calculation Results

Operator Name: Sample Mine Operator

Mine Name: Sample Mine Name

The evaluation below is for the date range of **01/01/2016** through **03/31/2016**

6 C/O's were issued for Rules to Live By standards during **93.5** inspection hours resulting in a rate of **6.42**.
The National Average is **0.92**. **This mine is Higher than the National Average.**

The calculation for this rate is the number of violations / inspection hours X 100

Violation(s)	30 CFR
2	57.14100(b)
4	57.3360

If the operator's average is higher than the National Average, the rate will be reported in **RED**.



Rules to Live By Calculation Results

Operator Name: Sample Mine Operator

Mine Name: Sample Mine Name

It also allows
you to PRINT.

The evaluation below is for the date range of **01/01/2016** through **03/31/2016**

6 C/O's were issued for Rules to Live By standards during **93.5** inspection hours resulting in a rate of **6.42**
The National Average is **0.92**. **This mine is Higher than the National Average.**

The calculation for this rate is the number of violations / inspection hours X 100

Violation(s)	30 CFR
2	57.14100(b)
4	57.3360

These are
hyperlinked
to the online
30 CFR.

Summary

MSHA Mine ID:

1234567

SEARCH

To conduct additional searches outside the most recent inspection period, select dates below:

MSHA Mine ID:

Beginning Date:

mm/dd/yyyy

Ending Date:

mm/dd/yyyy

SEARCH

- ✎ Insert the 7 digit MSHA Mine ID Number (without a dash).
- ✎ Click the “**SEARCH**” button.
- ✎ Results page will give you the... *(***For the most recent inspection period***)*
 - Number of **Rules to Live By** Citations and Orders
 - Number of Inspection Hours spent
 - Comparison to the National Average
 - List (and Link) of the 30 CFR Standards cited
- ✎ Beginning and ending dates can be entered to conduct a search for a different time period outside of the default date range.

Rules to Live By Calculator

<http://arlweb.msha.gov/drs/rlb-violations-calculator.asp/>