**NR\_QA\_Checks\_MOVES2014b\_v3**

August 8, 2018

The QA checks script is intended to identify obvious problems with the tables in a designated MOVES2014 formatted nonroad county database (CDB) that could cause problems with the run (errors) or cause unexpected or inappropriate results. For a single CDB, you invoke the checks using a DOS window and typing in the string:

mysql –uXXXXX -pYYYYY ZZZZZZZZZ < “C:\...\ NR\_QA\_Checks\_MOVES2014b\_v3.sql”

Where:

* XXXXX is your MySQL user ID.
* YYYYY is your MySQL password.
* ZZZZZZZZZ is your nonroad county database name.
* C:\...\ is the path to the directory with the QA tool script.
* It is assumed that the MySQL application is in your default path.

The results of the QA check of the tables is stored locally in a new MySQL database (“all\_nrcdb\_checks”) as a new table called “all\_county\_database\_checks”. The result table can be viewed and exported using MySQL commands or the MySQL Workbench application. For example, the final line in the batch example (below) shows a simple MySQL command that exports the contents of the result table to a text file for submittal as a report.

If your state has many counties, you may wish to automate the checking process. Below is an example of a batch file written to check the three counties for the state of Delaware. The batch file deletes the old version of the report text file (named with the PSC), clears the MySQL buffer of previous work and drops the previous version of the database used to store the aggregated results from the individual checks. Then MySQL is directed to each county database (i.e., c10001y2017\_nr\_20181211) using the QA script (NR\_QA\_Checks\_MOVES2014b\_v3.sql).

Note that the directory path must be included so that the file can be properly located by MySQL. The path you use can be different than the location (C:\.....\) shown in this example. The final line in the batch file exports the results into the report text file. A directory path can also be added to this file name as well to help locate the file once it has been populated.

del "C:\.....\DEDNR\_NR\_QA\_Report.txt"

mysql -uXXXXX -pYYYYY -e "flush tables;"

mysql -uXXXXX -pYYYYY -e "drop database if exists all\_nrcdb\_checks;"

mysql -uXXXXX -pYYYYY c10001y2017\_nr\_20181211 < "C:\.....\NR\_QA\_Checks\_MOVES2014b\_v3.sql"

mysql -uXXXXX -pYYYYY c10003y2017\_nr\_20181211 < "C:\.....\NR\_QA\_Checks\_MOVES2014b\_v3.sql"

mysql -uXXXXX -pYYYYY c10005y2017\_nr\_20181211 < "C:\.....\NR\_QA\_Checks\_MOVES2014b\_v3.sql"

mysql -uXXXXX -pYYYYY -e "select \* from all\_nrcdb\_checks.all\_county\_database\_checks;" > "C:\.....\DEDNR\_NR\_QA\_Report.txt"

The XXXXX value is the MySQL user name and the YYYYY value is the MySQL password. The file generated by this script (DEDNR\_NR\_QA\_Report.txt) is the quality assurance (QA) report required by the EIS process. You can name this report what you like by editing the text in the batch file.