I recommend making a full copy of database before starting. These steps were tested in the offline stack using MySQL Workbench. The SQL command in between sets of asterisks should be entered and wait for successful completion before going to the next step. Halt process on any error condition.

**Step 1**

1st step for creating copy of main table structure and data

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CREATE TABLE if not exists hydrologs.mon1\_load LIKE hydrologs.upflume1;

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**Step 2**

Load all data from flat file into temporary data table. This enables a method to check for entry duplications prior to modifying main table so that only unique entries will be loaded. The local of the upflume.txt file will need to be modified to represent actual location.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD DATA LOCAL INFILE 'c:/watershed/upflume1.txt'

INTO TABLE hydrologs.mon1\_load

FIELDS TERMINATED BY ','

LINES TERMINATED BY '\n'

IGNORE 1 LINES;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Step 3**

Manually Updates main table from temp load table

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insert into hydrologs.upflume1 select \* from hydrologs.mon1\_load WHERE (ID, UNIXtime) NOT IN (select ID, UNIXtime from hydrologs.upflume1);

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**Step 4**

Cleans up by removing temporary table

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Drop table if exists hydrologs.mon1\_load;

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