

## Sound Testing for District 15 State Championship Events

### Background:

AMA rule C.13.c – Machines entered in all meets (except Drag Racing and Bonneville Speed Trials) shall have mufflers/silencers which do not exceed the maximum db(A) required by the state where the meet is being held or 99db(A), whichever is less, measured at half maximum rpm per MIC manual SAE J1287 test at .5 meters (20 inches).

A recent letter sent to all promoters/clubs start conducting sound tests at all amateur events.

The District held a Board Meeting on May 5, 2007 to discuss several issues and the sound requirements was brought forth. It was decided that the District would conduct sound tests at all the State MX Championships for 2007. The testing of motorcycles will be randomly selected by class. While no one who is + 3 db(A) be disqualified, the machine will be subject to repeated testing through the series.

### Reason:

The sound issue has become one of the most important issues as it relates to land closures. Over the past couple of years with the advent of the 4-stroke motorcycle many tracks have been forced to close down.

The sound wave of a 4-stroke travels further because of larger wave length vs the smaller higher pitched 2-stroke sound.

### Testing:

The promoter/club will provide an open area approximately 50' square to allow sound testing. The motorcycles will be allowed to be warmed up prior to the test. Bikes being checked for sound should be warmed up and then shut off and pushed to the testing area. Once a bike is at the test area, the rider and the bike will be asked to ride the bike to the sound test station. The rider will get off the bike and hold the bike on the opposite side of the exhaust. The tester will then throttle up the motorcycle to the required RPM and read the results and recorded. It is important to remember that talking within the 50' area could cause a higher reading, so we ask that nobody talk except the tester. Once the test is complete the rider will push the motorcycle out of the 50' area and the next motorcycle and rider enter the test area.

Please remember nobody will be disqualified for exceeding the db(A). The machine that records higher than legal limits will be noted and subject to retest at subsequent state MX events. If there is no improvement shown then the District referee and the board could consider disqualification.

Hint: Repack your muffler/silencer.