

PLANNED TASK OBSERVATION (PTO) CHECKLIST FOR NOISE MEASUREMENTS

- Date of Report:
- Mine/Shaft/Operation:
- Commodity:
- Type of Mining:
- Workplace (SAMOHP Code):

Name:

Date:

Location:

1. INSTRUMENT SETUP & CALIBRATION

TASK	YES	NO	COMMENTS/NOTES
Is the integrating sound level meter (ISLM) calibrated to Class-2 standards as per IEC 61672-1 and SANS 61672-1?	☐	☐	
Has the instrument been fitted with the manufacturer-recommended windshield for accuracy?	☐	☐	
Has the Occupational Exposure Limit (85 dB(A)) and Threshold Level (80 dB(A) OR None) been confirmed?	☐	☐	
Has the Energy Exchange or Doubling Rate (3 dB(A)) been set correctly?	☐	☐	
If the instrument allows, have the measurement criteria been verified or adjusted via onboard software/firmware?	☐	☐	
Has the instrument's acoustic sensitivity been verified using a Class 2 sound calibrator before starting the shift?	☐	☐	
Was a calibration check performed at the end of the shift, with results within 1 dB(A) of the initial calibration?	☐	☐	

2. INSTRUMENT SETTINGS

TASK	YES	NO	COMMENTS/NOTES
A-weighting set to on (for human hearing frequency-weighted measurements)?	☐	☐	
Time Weighting: Is it set to “fast” or “impulse” for impulsive noise?	☐	☐	
If the noise is impulsive but the SLM does not support impulse integration, has the LAeq been adjusted? • <i>Impulsive = increased by 5 dB(A) for moderately impulsive noise?</i> • <i>Highly impulsive = increased by 12 dB(A)?</i>	☐	☐	
Is Sound Incidence set to “frontal” if the microphone is facing the noise source?	☐	☐	
Is Sound Incidence set to “random” if the noise is multi-directional or non-directional?	☐	☐	
Is the Frequency Filter set to off?	☐	☐	
Is the Operating Mode set to Integrate or LAeq?	☐	☐	

3. MEASUREMENT LOCATION & DISTANCE

TASK	YES	NO	COMMENTS/NOTES
Is the microphone positioned 1 meter away from the noise source, as far as reasonably practicable?	☐	☐	
Has the microphone been placed at the appropriate position to represent the actual exposure to noise?	☐	☐	

4. MEASUREMENT PROCEDURES

TASK	YES	NO	COMMENTS/NOTES
For steady noise, was a minimum measurement time of 1 minute used?	☐	☐	
For varying or cyclical noise, was the measurement time sufficient to capture variations and work task cycles?	☐	☐	
Was the detail recorded for the equipment measured, e.g cyclical or varying noise, time of measurement, distances from source, etc?	☐	☐	

5. DATA REPORTING & DOCUMENTATION

TASK	YES	NO	COMMENTS/NOTES
Is the noise equipment correctly grouped for make and model, as stipulated in the Noise Measurement Guidance Note Annexure 2?	☐	☐	
Is the noise data reported calculated as a Logarithmic value?	☐	☐	
Is the total number of equipment types used, along with noise levels, reported quarterly in the milestone report?	☐	☐	

Signature of Observer:

Signature of Section 12.1:

Date of Observation:

Date of Approval:

Comments / Additional Observations: