FORM 1 - Sound Level Meter (SLM) Noise Exposure Documentation Form

Person Conducting Survey_____ **SLM Manf & Model**_____ **SLM S/N**_____

SLM Pre-Calibration_____ **(If pre-calibration fails, do not continue survey)**

SLM Post-Calibration_____ **(If post-calibration fails, survey results are invalid)**

Person Being Surveyed_____ **Occupation/Work Activity**_____

Equipment Used_____ **Hearing Protection Y / N Manf & Model**_____

Date_____ **Wind/Weather/Other Conditions**_____

INSTRUCTIONS:
1. **Take several SLM readings for each work activity, and whenever noise exposure changes, throughout the entire work shift.**
2. **Record time at which SLM reading is taken on Table A below.**
3. **When reading noise level, round up to nearest full dBA, add 2 dBA, then record on Table A below. (2 dBA added for SLM errors)**
4. **Measure or estimate the TOTAL exposure time at each noise level and record on Table B on Form 1.2**
5. **The levels and durations of ALL exposures must be recorded, including brief, intermittent noise.**

EXAMPLE 1: **Front-end loader operator spends entire 9-hr (540 min) shift in enclosed cab. SLM readings taken in cab at high RPM (91 dBA), medium RPM (84 dBA), and low RPM (78 dBA). Based on observation of loader operations, estimate 20% of shift at high RPM, 60% of shift at medium RPM, and 20% of shift at low RPM. Thus, SLM readings and observation of operations result in estimate of full-shift noise exposure of 108 minutes @ 91 + 2 = 93 dBA, 324 minutes @ 84 + 2 = 86 dBA, and 108 minutes @ 78 + 2 = 80 dBA**

EXAMPLE 2: **Crusher operator primarily works in enclosed booth, but occasionally needs to remove debris from feed conveyor. SLM readings taken in booth (82 dBA), and adjacent to conveyor (93 dBA). Based on observations of crusher operations over full 10-hr shift, estimate 50 minutes per hour inside booth, and 10 minutes per hour outside booth. Thus, SLM readings and observation of operations result in estimate of full-shift noise exposure of 500 minutes @ 82 + 2 = 84 dBA, and 100 minutes @ 93 + 2 = 95 dBA.**

CAUTION: ***If noise levels change too quickly or over too large a range to accurately document using an SLM and this form, do not use an SLM to determine noise exposure. Use a noise dosimeter.***

TABLE A - Sound Level Meter (SLM) Readings

Location/Work Activity/Equipment Operated/Source of Noise (Include Equipment ID)	Time of Reading	Noise Level (Round SLM Reading Up To Nearest Full dBA, Then Add 2 dBA)

Continue On Next Page (Form 1.2)

CONTINUATION OF TABLE A (from Form 1.1)

Location/Work Activity/Equipment Operated/Source of Noise (Include Equipment ID)	Time of Reading	Noise Level (Round SLM Reading Up To Nearest Full dBA, Then Add 2 dBA)

TABLE B - Exposure Times

Noise Level in decibels	Estimate Of Total Shift Time Exposed At This Noise Level (Rounded Up To 15 Min., 30 Min., Or Nearest Full Hour)	Noise Level in decibels	Estimate Of Total Shift Time Exposed At This Noise Level (Rounded Up To 15 Min., 30 Min., Or Nearest Full Hour)	Noise Level in decibels	Estimate Of Total Shift Time Exposed At This Noise Level (Rounded Up To 15 Min., 30 Min., Or Nearest Full Hour)
Less Than 80	Not Applicable	92		105	
80		93		106	
81		94		107	
82		95		108	
83		96		109	
84		97		110	
85		08		111	
86		99		112	
87		100		113	
88		101		114	
89		102		115	
90		103		More Than 115	Not Applicable
91		104			