**Air Monitoring Equipment Skill Sheet**

Student: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Evaluator: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 🞏 Pass 🞏 Fail

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| Equipment Used for Observation: | Make | Model |
| Air Monitor / 4-Gas Detector |  |  |

\_\_\_\_\_\_ (initial) I have reviewed the Owners/Operator’s manual for the above Gas Detector and been given an opportunity to ask questions.

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| **Required Knowledge**: |
| *The student shall demonstrate they have the necessary information to safely operate the above air monitor to the satisfaction of the evaluator.* |
| The use of each control knob, switch, button and connector of the monitor/detector | 🞏 Pass 🞏 Fail |
| The meaning of each display element on the screen of the monitor/detector | 🞏 Pass 🞏 Fail |
| The meaning of each type of visual & audible alarm given by the monitor/detector | 🞏 Pass 🞏 Fail |
| The four locations of a confined space that must be tested before entering that space. | 🞏 Pass 🞏 Fail |
| The acceptable readings for the concentrations of each of the 4 gases monitored. | 🞏 Pass 🞏 Fail |
| The proper actions to take upon an activated alarm. | 🞏 Pass 🞏 Fail |

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| **Demonstrated Skill: Start-up and daily bump test of monitor/detector** |
| *The student shall start the air monitor, perform the daily bump test, and prepare the unit for day’s use.* |
| Student turns on the monitor by pressing ⭘. Unit activates. | 🞏 Pass 🞏 Fail |
| Student points to each display element on screen and explains its meaning. | 🞏 Pass 🞏 Fail |
| Student verifies the test gas being used matches the span concentration values for the detector and gas is not expired. Student attaches regulator and tubing to test cylinder. | 🞏 Pass 🞏 Fail |
| Student initiates bump testing by attaching hose to inlet connector on monitor. Student verifies monitor/detector alerts properly to test gases.  | 🞏 Pass 🞏 Fail |
| Student concludes bump test by disconnecting hose and allowing sensors return to normal (0 for hazardous gases and 20.9 for O2) readings. | 🞏 Pass 🞏 Fail |
| Student turns unit off by pushing and holding ⭘. Student returns detector to case. | 🞏 Pass 🞏 Fail |

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| **Demonstrated Skill: Monitoring the atmosphere in a confined space** |
| *The student shall conduct air monitoring of a confined space with 100% accuracy.* |
| Student turns on the monitor by pressing ⭘. Unit activates. Student observes self-test and verifies proper operation of monitor/detector. | 🞏 Pass 🞏 Fail |
| Student tests pump by briefly covering inlet connection. | 🞏 Pass 🞏 Fail |
| Student connects sampling hose to inlet connection and pinches end of hose to test for tight connections. Pump alarm sounds. | 🞏 Pass 🞏 Fail |
| Student tests atmosphere at entrance to confined space BEFORE removing cover, allowing 2 seconds for each 1 foot of sampling tube + 2 minutes (two by two rule). | 🞏 Pass 🞏 Fail |
| If atmosphere is safe, remove cover to confined space and test again at entrance using ‘two by two rule’ as above. | 🞏 Pass 🞏 Fail |
| Student continues atmospheric testing at 4 ft. intervals using ‘two by two rule’. | 🞏 Pass 🞏 Fail |
| Student completes air sampling portion of Confined Space Permit. | 🞏 Pass 🞏 Fail |

Comments: