COMPETENCY CHECKLIST
HAZARD/RISK ASSESSMENT PROCEDURES

Technician: _____ Date: _____/_____/_____

The following air monitoring competencies should be demonstrated in a controlled environment such as skill stations or simulated incidents:

AREA 2.1 HAZARD AND RISK ASSESSMENT – AIR MONITORING, SAMPLE COLLECTION & QUALITATIVE ANALYSIS			
No.	**Requirement**		
2.1.1	Given various written scenarios, demonstrate the ability to select the appropriate air monitoring instrument(s) necessary for the qualitative and quantitative analysis of the potentially hazardous environment caused by airborne gases or vapors.	_____ (Signature)	__/__/__ (Date)
2.1.2	Given air monitoring devices provided by the employer, demonstrate the ability to complete the following: 1) determine the inherent safety rating of the instrument and 2) properly start and prepare the instrument for operation in accordance with manufacturer recommendations.	_____ (Signature)	__/__/__ (Date)
2.1.3	Demonstrate proper field maintenance of all air monitoring devices provided by the employer in accordance with the employer's written air monitoring equipment plan and the recommendations of the manufacturer.	_____ (Signature)	__/__/__ (Date)
2.1.4	Given a simulated incident involving an unidentified hazardous material and equipment provided by the employer, demonstrate the ability to properly conduct air monitoring including proper: 1) monitoring sequence, 2) approach, 3) sampling patterns, 4) selection of elevations and, 5) speed and interpret the instrument readings.	_____ (Signature)	__/__/__ (Date)
2.1.5	Given controlled skill stations with live samples, demonstrate proper reading and interpretation of including indification of potential false negatives and positives, for each of following types of air monitoring instruments: [ ] pH indicators or meters, [ ] radiation survey instruments, [ ] personal alarms and [ ] dosimeters, [ ] oxygen concentration instruments, [ ] combustible gas indicators, [ ] electro chemical gas monitors, [ ] color-metric detectors tubes and/or badges , [ ] photo-ionization detectors, [ ] flame-ionization detectors, [ ] IR Spectrometry and [ ] other instruments provided by the employer.	_____ (Signature)	__/__/__ (Date)

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No.	**Requirement**		
2.1.6	Demonstrate the ability to properly document air monitoring activities in accordance with the employer's emergency response plan.	_____ (Signature)	__/__/__ (Date)
2.1.7	Properly describe to the assessor the differences between 1) instrument calibration, 2) field calibration check, 3) spanning and 4) bump test, as well as the applicability for each process.	_____ (Signature)	__/__/__ (Date)
2.1.8	Given an unknown gas or vapor, demonstrate the ability to identify or classify the material by hazard using air monitoring instruments.	_____ (Signature)	__/__/__ (Date)
2.1.9	Demonstrate the ability to obtain an air sample for off-site analysis using equipment and procedures provided by the employer.	_____ (Signature)	__/__/__ (Date)
2.1.10	Demonstrate the ability to document sample collection procedures and the chain of custody in a manner consistent with law enforcement evidence gathering procedures.	_____ (Signature)	__/__/__ (Date)
Evaluator Remarks			
		_____ (Signature)	__/__/__ (Date)