

QL2.1 ENHANCE PUBLIC HEALTH AND SAFETY

INTENT:

Take into account the health and safety implications of using new materials, technologies or methodologies above and beyond meeting regulatory requirements.

LEVELS OF ACHIEVEMENT

IMPROVED	ENHANCED	SUPERIOR	CONSERVING	RESTORATIVE
(2) Assessment of new requirements. In addition to the health and safety plans and programs put in place as required by law and regulation, the owner and the project team identify, assess and institute new standards, methods and procedures to address any additional risks and exposures created by the application of new technologies, materials, equipment and methodologies. Requirements are passed down to the construction contractor in the form of construction specifications. (A, B, C)			(16) Excellence in all categories. The project team puts in place health and safety plans and programs that substantively exceed all applicable regulations. Explicit and comprehensive consideration given to the application of new technologies, materials, equipment and methodologies, and the corresponding new and health and safety requirements and considerations. (A, B, C)	

DESCRIPTION

The purpose of this credit is to ensure that the owner and the project team take into account new health and safety issues that may arise because of the use of new materials and/or the application of new technologies and methodologies. After assessing the risks associated with the use of new materials, technologies and/or methodologies, additional health and safety protocols should be added to address the additional risks. These new protocols need to be compatible with existing and accepted protocols.

Given the relative newness of many of the technologies and methodologies used to improve sustainable performance, the project team is expected to carry out additional assessments covering the potential risks to public health and the environment, and to project workers. Any significant risks uncovered should be addressed in the project health and safety plans.

The project team must consult with the government officials responsible for public and environmental health and safety. Together, they will review project plans and assess the risks and exposures associated with any new materials, equipment, processes, technologies or methodologies to be used in the project. Health and safety plans and protocols should be adjusted to address the additional risks and exposures. A final compatibility check should be run, to check overall protocol compatibility.

The addition of new and appropriate health and safety requirements, specifications and protocols may require consultation and signoff by environmental and health and safety officials.

ADVANCING TO HIGHER ACHIEVEMENT LEVELS

Benchmark: Project health and safety plans meet the minimum requirements. No additional consideration of new technologies and methodologies unless specified in applicable laws and regulations.

Performance improvement: Increase the detail and comprehensiveness of the evaluation and risk assessment of all the new and/or non-standard technologies, materials, equipment and methodologies to be employed on the project. Institution of the appropriate changes in project design and construction to reduce the risk to public and worker health and safety to acceptable levels. Institution of the appropriate health and safety methodologies and protocols during construction.

EVALUATION CRITERIA AND DOCUMENTATION

- A. Have the project owner and the project team assessed the exposures and risks created by the application of new and/or non-standard technologies, materials, equipment and methodologies to be employed on the project?
 1. Reports documenting the assessment of the exposures and risks to public health and safety.
- B. Have the project owner and the project team assessed and made the appropriate changes to the project design to reduce the risk to public and worker health and safety to acceptable levels, and received approval and signoff by the appropriate environmental and public health and safety officials?

**METRIC:**

Efforts to exceed normal health and safety requirements, taking into account additional risks in the application of new technologies, materials and methodologies.

1. *Documentation of where and the degree to which the project owner and the project team changed the design of the project to better protect public health and safety.*

2. *Evidence of approval and signoff by the appropriate environmental and public health and safety officials.*

C. Have the project owner and the project team instituted the appropriate health and safety methodologies and protocols during construction?

1. *Evidence of approval and signoff by the appropriate environmental and public health and safety officials.*

2. *Evidence that the health and safety methodologies and protocols have been passed onto the constructor.*

RELATED CREDITS

QL1.1 Improve Community Quality of Life

QL2.6 Improve Accessibility, Safety, & Wayfinding

LD1.1 Provide Effective Leadership & Commitment