

a. If Omar accepts the client's decision and continues to perform his services as an employee of the contractor.

If he accepted the decision, he will endanger several individuals. This is will violate one of the fundamental canon of ethics for engineer, Hold paramount the safety, health, and welfare of the public. In this scenario, he should have reported his client for disregarding this serious health concern. While he may have a short-term benefit, such as staying on his job. The long-term consequence of this will be devastating on his career and there is a big possibility he will lose his license of being an engineer.

b. If Omar continues to have concerns regarding this matter and decline further work on the project.

If he continues to have concerns regarding this matter and decline further work on the project, it will be the ideal scenario. He has the obligation of putting others health in the consideration before working on a project. An engineer shall not aid or abet the unlawful practice of their client. He also has the obligation of documenting then reporting this matter to the proper authority. This is because even if he refused on the project, the client might just hire another engineer and these peoples lives are still in potential threat.