

Treasure Comments

From: Jule Thomas <jtwerks@yahoo.com>
Sent: Monday, November 27, 2017 10:05 PM
To: Treasure Comments
Subject: Treasure's Blasting Dangers for Old Town

Earlier this year, Pat Sweeney of Treasure was quoted in the Park Record contending that the explosion blasts required to build Treasure won't be heard past a few hundred feet from the spot where the explosives are set off or, according to Sweeney, if they are heard, the noise would be "barely perceptible" at that distance. "It's different than war. It's very controlled. It's a super-specialty."

Note to Pat Sweeney: explosives used in war are very controlled and a "super-specialty", and they create massive disruption.

Following are excerpts from a [report](#) on Construction Blasting Fundamentals published by the International Risk Management Institute (IRMI). I've bolded some points in the excerpts that demonstrate the unreasonable risks and dangers that residents of Old Town will be forced to accept if the proposed Treasure project is approved:

Fumes are toxic and noxious gases are produced by the detonation of explosives...Factors such as water penetration, and chemical reaction with the host rock will affect the amount of fumes produced by an explosive detonation or conflagration.

Commercial explosives release tremendous amounts of energy when detonated. The blast design challenge is to effectively use this energy in the most efficient way to fragment rock in a controlled way. **The great energy release of explosive can also cause less desirable effects, such as excessive ground vibration and concussion, overbreaking of the rock, and possible pre-compression failure of the adjacent explosive loads. Blast results may be difficult to predict since they are greatly influenced by the in situ rock conditions. All rocks contain fissures—like bedding planes, partings, and joints—that are opened up by explosion gases and rock movement.**

Blasting near structures or urban areas adds a special set of additional concerns. The need for pre-blast structure surveys, vibration and air-blast monitoring, stringent blast effect control measures, and **effective blast area security and warning methods must be evaluated for close-in blasting.** Geological conditions will also influence blast planning. **Physical rock properties and structural conditions will present special blast control challenges.**

Due to the risks and dangers the massive amount of blasting that the Treasure project would place on Old Town's residents and guests, and of the other Land Management

Code Criteria that cannot be met or sufficiently mitigated, a Conditional Use Permit should not be granted to the Treasure project.

With regards,
Julie Thomas