

TREASURE HILL


Blasting Analysis & Concrete Batch Plant – March 8, 2006





Blasting Analysis Conclusions

- *Blasting projects can be conducted safely and without causing harm to your home.*
- *Where appropriate, blast mats will be used to reduce fly rock, the surface wetted to reduce dust, and the latest noise reduction techniques used.*

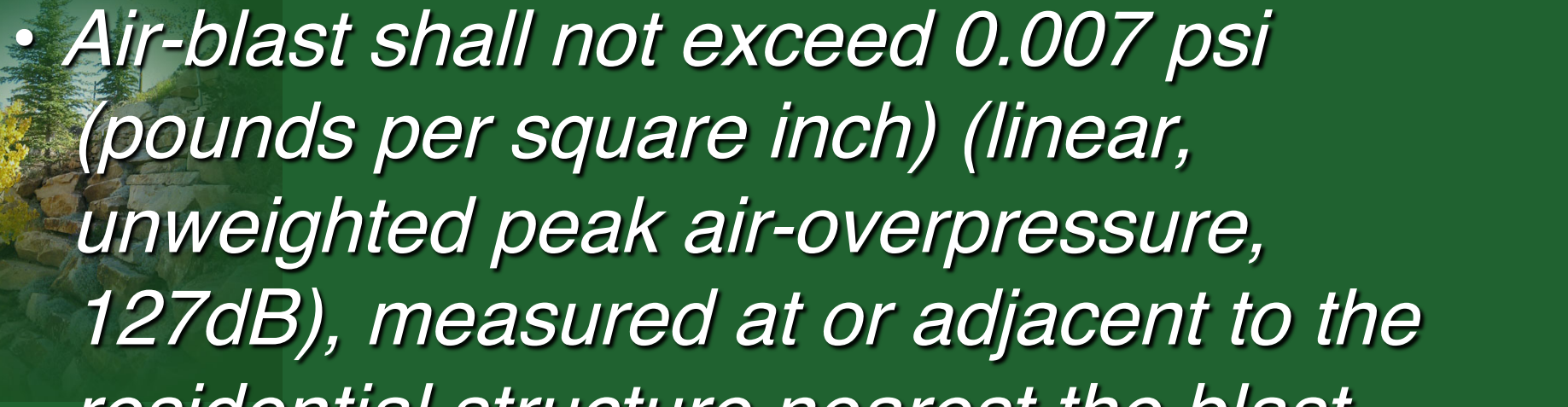
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- *Any form of adverse affect to nearby homes from blasting activity is a very rare occurrence.*
 - *Good communications with the neighbors living near blasting operations is of up most importance to the Applicant who also strives to be a good neighbor.*

- *The best way to safeguard your home is with well designed blasts that reduce vibration potential. This includes monitoring vibration levels during every blasting event with a seismograph and by strictly enforcing all local and State blasting regulations.*

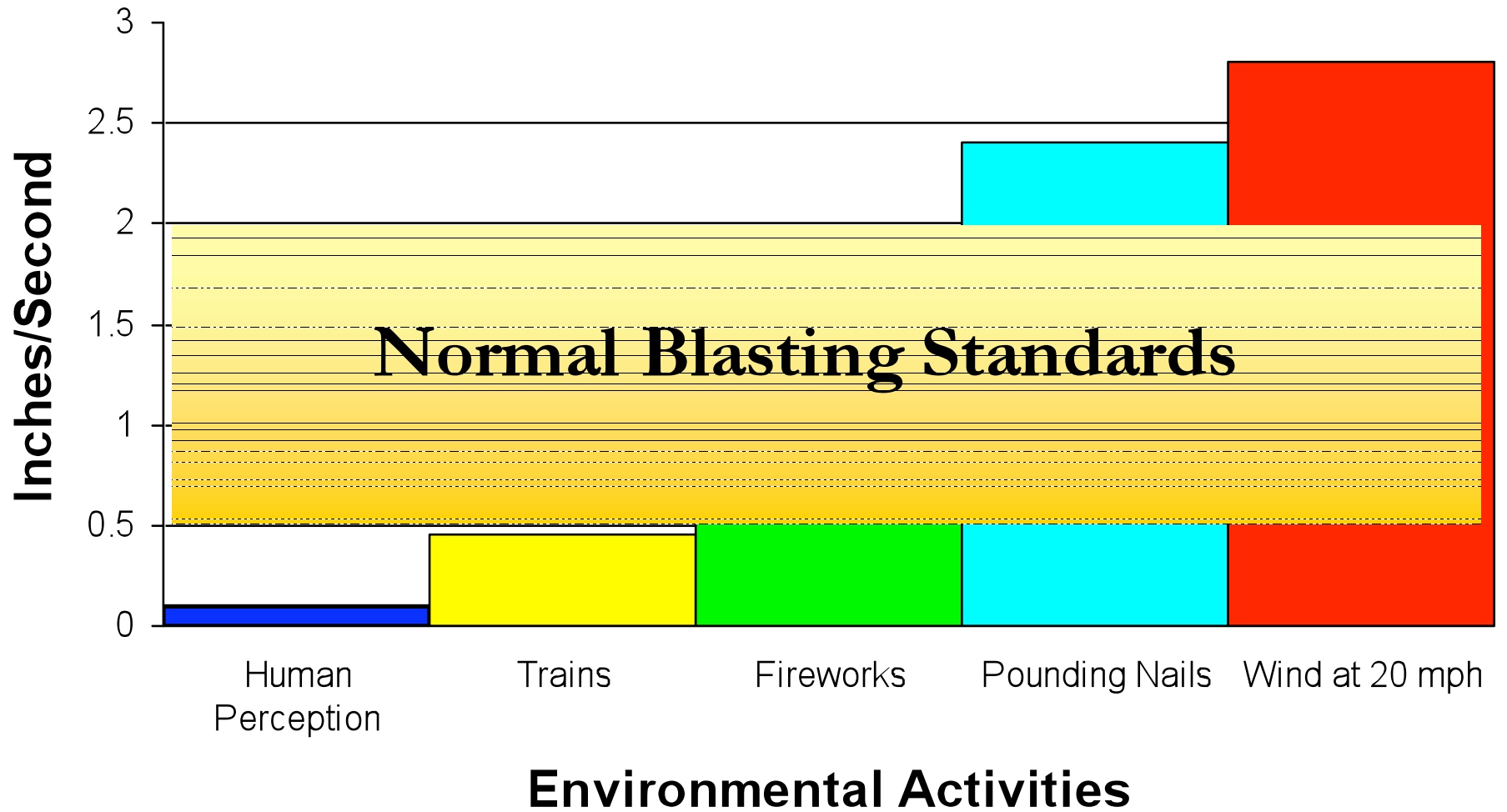


Blasting Analysis Proposed Standards

- *Treasure Hill proposes limiting blasting to the hours of 10:00 a.m. to 4:00 p.m., Monday through Friday (excepting holidays) conforming to the following standards:*
- *Blast vibration shall not exceed 0.5 inches/second peak particle velocity (ppv) (intensity of vibration), measured at or adjacent to the residential structure nearest the blast.*

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- *Air-blast shall not exceed 0.007 psi (pounds per square inch) (linear, unweighted peak air-overpressure, 127dB), measured at or adjacent to the residential structure nearest the blast.*
 - *Nearby residences will be offered a pre-blasting inspection free of charge to record the condition of their structure prior and post blasting.*

Intensity Comparisons



Examples of Blasting



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Examples of Blasting



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Concrete Batch Plant Conclusion

- *An on-site concrete batch plant is not feasible nor is it in the best interest of area residents.*
- *See letter from Norm Anderson, area manager of Jack B. Parson Companies*



Hopper Bin



Loading Concrete Mixer Truck



Loading Hopper Bin



Comparison of Cement Delivery Truck
Versus Concrete Mixer Truck



Bulk cement delivery, sand and gravel delivery trucks are 50 feet long, and with pup are 85 feet long, versus concrete mixer trucks which are 34 feet long. Batch plant building and silos approximately 40 feet high.



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