

1. Bulk ammonia nitrate is purchased to ICEM Engineering Co.Ltd. specification.
2. Distillate oil purchased to ICEM Engineering Co.Ltd. specification.
3. Components are mixed to a standard recipe, adding inert diluents to yield a blasting agent with a specific detonation velocity. Various metal combinations and thickness require the explosive to be formulated with different, specific velocities. Mixing is performed in a temperature and humidity controlled building. The particle size and distribution is controlled by specified grinding time and verified by sieve analysis. The density of the batch mixture is measured and recorded.

#### **HOLD POINT**

4. The bulk, blasting agent mixture is weighed, bagged, recorded and identified by batch number and type. It is called ANFO (ammonia nitrate, fuel oil). It is very stable and safe to handle.
5. Explosive velocity for each batch is verified by detonating a sample of the mixture from the batch and electronically measuring and recording the velocity.
6. Upon verification of the velocity, the batch is accepted and certified for production use.

#### **HOLD POINT**

7. Batch serial number and number of bags are entered into a dated inventory log.