
RESTRICTIONS FOR BLASTING OPERATIONS

The Grand River Dam Authority (GRDA) is an agency of the State of Oklahoma

These guidelines address questions related to blasting operations within GRDA's rights of way (ROW). The information contained below does not cover all restrictions or all situations and is not intended to give consent to use GRDA's ROW. The below restrictions are subject to change at any time and without any notice. **THE BELOW STATEMENTS ARE GUIDELINES ONLY, AND ARE NOT INTENDED TO WAIVE ANY RIGHTS OR INTERESTS IN THE RIGHTS OF WAY POSSESSED BY GRDA.**

1. The peak particle velocity shall not exceed 2 inches per second at any distribution or transmission structure.
2. There shall be an area of undisturbed soil around any distribution structure or down-guy that will be a minimum of 25 feet radius from each pole or corner of a structure. Radiuses of undisturbed soil around the down-guy shall be measured from the point where the down-guy enters the earth.
3. There shall be an area of undisturbed soil around any transmission structure that will be a minimum of 75 feet radius from each pole or corner of a structure. A down-guy for a transmission structure shall have an area of undisturbed soil around it that is a minimum of 30 foot radius from the down guy. Radiuses of undisturbed soil around the down-guy shall be measured from the point where the down-guy enters the earth.
4. The Operator cannot make an island of any structure. There must be an accessible path to all structures at all times, so as to provide vehicles and large trucks to access the structures and conductors for maintenance and repair purposes.
5. Blasting and mining is allowed in the rights of way (ROW) and between structures, subject to the following conditions:
 - a. Maintain the radius of undisturbed soil as defined above.
 - b. No flyrock shall be allowed to go into the air around the electrical conductors.
 - c. No conductive firing lines shall be allowed to go into the air and touch the electrical conductors.
 - d. After mining is completed in the area defined as GRDA's ROW, there shall be an area 75 feet wide that will provide vehicles and large trucks access to the structures and conductors for maintenance and repair purposes. Any slopes in this access area along the ROW shall have a minimum of a 2:1 ratio (minimum of 2 feet horizontal for 1 foot vertical). The accessibility to the ROW shall be completed within 30 days following discontinuing mining of that area. The Operator is obligated to complete the accessibility to the ROW even if this variance is no longer in effect.
6. GRDA shall be notified in writing or by phone at least 14 days before initial blasting is scheduled to occur within 150 feet of the centerline of any transmission line. After leaving an area that has been blasted within 150 feet of the centerline, notice shall be given again if re-entering that area at a later date to do more blasting and mining. The written or phone notice shall state the dates of intended blasting. Prior notice is required in order to allow GRDA sufficient time to schedule alternate arrangements if needed to provide services to GRDA's customers at the time of blasting.

Dated 2/15/2013