



March 25, 2019

El Paso County  
Planning and Community Development  
2880 International Circle  
Colorado Springs, CO 80910

**Noxious Weed Management Plan**

To whom it may concern,

The proposed Hale Sand Pit Expansion is located on a 150-acre tract of land located southeast of Peyton and currently contains a 9.9-acre sand mining area located at the southwest corner of the property. The existing vegetation on site consists of native grasslands. The proposed expansion will permit an additional 52.5 acres of land for sand mining. The proposed expansion will be performed in 10-acre maximum blocks. Each block will be disturbed, mined, and then reclaimed before mining activities begin in the next block. Reclamation includes the seeding of the disturbed areas once mining operations are complete within each block to restore the site to natural conditions. The reclamation plan consists of:

1. The topsoil will be moved back over the disturbed area and regraded at no more than 4:1 slopes, although it is expected that the reclaimed condition will match existing slopes (+/- 1.0%).
2. Topsoil will be applied to at a minimum 3" of depth.
3. Apply 50# nitrogen (1.2# per 1,000 ft<sup>2</sup>) and 50# phosphate (1.2# per 1,000 ft<sup>2</sup>) to topsoil.
4. Revegetation will be performed by using the following seed mix:

<u>SPECIES</u>	<u>VARIETY</u>	<u>100% RATE</u>	<u>PROPOSED MIXTURE</u>
Sideoats Grama	Vaughn	9.0# PLS*	50%
Pubescent Wheatgrass	Luna	14.0# PLS*	30%
Crested Wheatgrass	Nordan	10.0# PLS*	20%

\*PLS = Pure Live Seed

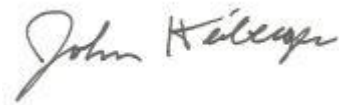
5. Drill grasses with adapted grass drill equipment having depth bands and press wheels. Time of drilling February 1 to May 15 or October 15 to freeze-up. Depth of seeding is 1-3" to ½" deep.
6. Apply mulch – 4,000# per acre of native grass hay or wheat straw. This needs to be crimped in. This operation is done after seeding and fertilizing.

The above reclamation plan will ensure to the best possible extent that noxious weeds will not grow within the mining blocks.

During the construction phase, vehicle tracking control is implemented at the entrance and exit of the site. Vehicle tracking control will ensure that invasive plant species will be removed from the tires of any trucks entering and exiting the site and therefore will prevent the spread of invasive plant species, if any exist.

Sincerely,

KIMLEY-HORN AND ASSOCIATES, INC.

A handwritten signature in black ink that reads "John Heiberger". The signature is written in a cursive style with a large initial "J" and "H".

John Heiberger, P.E.  
Project Manager / Associate