

Guidance for Using Lateral Effect Tables with Soil Survey Changes to Soil Map Units

For those locations with updated soil surveys there are several procedures to take to determine the Lateral Effect setback distance.

1. The soil map unit polygon, the soil map unit, and the major components are the same as the old soil survey.
 - a. Use the Lateral Effect Tables as normal, using the current map unit and component with the old table.
2. The soil map unit polygon is the same, but the soil map unit has changed to a soil map unit that exists on the Lateral Effect Tables.
 - a. Use the Lateral Effects Tables as before, using the new soil map unit and components.
3. The soil map unit polygon has changed, but the soil map unit has not changed.
 - a. Use the Lateral Effects Tables as before, using the existing soil map unit and components.
4. The soil map unit polygon has changed and the soil map unit has changed to a map unit name that exists on the Lateral Effect Tables.
 - a. Use the Lateral Effects Tables as before, using the new soil map unit name and components.
5. The soil map unit polygon has changed and the soil map unit name has changed to a new map unit name that does not exist on the Lateral Effect Tables.
 - a. Contact Mark Larson, Hydraulic Engineer at (605) 352-1209 and mark.e.larson@sd.usda.gov.
 - b. Please have the following information ready:
 - i. Site legal location
 - ii. Current soil map unit
 - iii. Previous soil map unit
 - iv. MLRA