

NATURAL RESOURCES CONSERVATION SERVICE
CONSERVATION PRACTICE STANDARD

SPOIL SPREADING

(acre)
CODE 572

DEFINITION

Disposing of surplus excavated materials.

Scope

This standard applies to the disposal of spoil by placing it in surface depressions, by shaping, by spreading it over the surface of adjacent lands along the ditch, canal, or other excavations from which the spoil was removed, or by placing it on other specified areas.

PURPOSES

To permit use of land occupied by spoil for agriculture and other purposes, to facilitate establishing and controlling vegetation along banks, to provide a travelway along banks for use and maintenance, to provide borrow for land grading, leveling, or smoothing, or to improve landscape quality.

CONDITIONS WHERE PRACTICE APPLIES

This practice applies to sites where spoil material is available from excavation of channels, drainage ditches, irrigation canals, or other construction sites and where it is desirable and economically feasible to achieve one or more purposes.

CRITERIA

Spoil shall be spread over a designated area according to an approved plan or as modified by a technician at the site where authorized in the contract or otherwise feasible. Provisions shall be made for the diversion or safe passage of surface water concentrating on the land side of the spoil-banks along channels, ditches, or canals. Location and placement of spoil should be such as to avoid unnecessary destruction of riparian vegetation.

The spoil shall be placed so as not to endanger the stability of the ditch bank and shall not exceed 3 ft. in height above the natural ground surface, except by special design. The finished surface shall slope away from the edge of the channel or berm as feasible.

For spoil spreading along channels, ditches, or canals, surfaces of spoil shall not be steeper than 4 horizontal to 1 vertical on the land side and 3 horizontal to 1 vertical on the channel side if a berm is established. If the spoil is spread to the edge of the channel, the channel side slope of the spoil shall be shaped to join the side slope of the ditch bank so that loose spoil will not roll or wash into the channel or ditch.

Spoil spreading for other construction sites shall be in accordance with the standard and specification of the applicable conservation practices and shall be shaped to a designed form that blends visually with the landscape. Where appropriate, consideration should be given to using spoil for direct or indirect human benefits such as blocking views, deflecting or redirecting wind or snow, and other uses that may be identified as desirable.

CONSIDERATIONS

Water Quantity

1. Effects on the water budget, especially on runoff, infiltration, deep percolation, and ground water recharge.
2. Effects on the distribution of snow derived soil moisture.

Water Quality

1. Erosion during establishment.
2. Effects of spoil placement on long-term erosion and sediment delivery.
3. Whether or not placement causes dissolved substances, including toxic, to enter surface or ground water.
4. Effects on visual quality of downstream water.

Endangered Species Considerations

Determine if installation of this practice with any others proposed will have any effect on any federal or state listed Rare, Threatened or Endangered species or their habitat. NRCS's objective is to benefit these species and others of concern or at least not have any adverse effect on a listed species. If the Environmental Evaluation indicates the action may adversely affect a listed species or result in adverse modification of habitat of listed species which has been determined to be critical habitat, NRCS will advise the land user of the requirements of the Endangered Species Act and recommend alternative conservation treatments that avoid the adverse effects. Further assistance will be provided only if the landowner selects one of the alternative conservation treatments for installation; or at the request of the landowners, NRCS may initiate consultation with the Fish and Wildlife Service, National Marine Fisheries Service and/or California Department of Fish and Game. If the Environmental Evaluation indicates the action will not affect a listed species or result in adverse modification of critical habitat, consultation generally will not apply and usually would not be initiated. Document any special considerations for endangered species in the Practice Requirements Worksheet.

PLANS AND SPECIFICATIONS

Plans and specifications for spoil spreading shall be in keeping with this standard and shall describe the requirements for properly applying the practice to achieve its intended purpose.

OPERATION AND MAINTENANCE

An operation and maintenance plan must be prepared by the Designer for use by the owner or other responsible for operating this practice. The plan should provide specific instructions for operating and maintaining the system to insure that it functions properly. It should also provide for periodic inspections and prompt repair or replacement of damage components.