

## SUBPART D - EXHIBITS

### §NE511.82(1) Field Data Check Sheet for Small Dams

U. S. Department of Agriculture  
Soil Conservation Service

NE-ENG-304  
3/84

#### FIELD DATA CHECK SHEET FOR SMALL DAMS

Structure  
Watershed

Legal Description  
County,

	X or N/A	Designed by	Checked by
Quadrangle Map:			
a) Drainage area			
b) Average slope			
Hydrology (NE-ENG-16):			
a) Design storm for principal spillway			
b) Design storm for emergency spillway			
c) Soil complex number			
Utility check sheet (SCS-ENG-6):			
a) Utility card notice (SCS-ENG-5)			
Field Notes: (use bound field notebooks on large structures)			
a) Title page completed			
b) BM description			
c) Date, weather, party, page no. reference title			
d) Reduced by, checked by			
e) Topog notes			
f) Staking notes			
g) Core trench notes			
h) Principal spillway notes			
i) Emergency spillway notes			
j) Final construction check notes			
k) Foundation drains staking & check notes			
Geology investigation (SCS-ENG-375):			
Topographic Map:			
a) Benchmarks			
b) North arrow			
c) Structure centerline			
d) Principal and emergency spillways			
e) Scale			
f) Title block			
g) Contour line elevation			
Cross-section:			
a) Scale			
b) Title			
c) Elevations of principal spillway, emergency spillway, top of structure			
d) Center line of principal spillway and emergency spillway			
Drainage Profile (at least 600 ft. downstream and 100 ft. upstream of overfall or elevation of top of structure)			
a) Scale			
b) Title			

## PART 511 DESIGN

NE511.82(2)

	X or N/A	Designed by	Checked by
c) Center line of structure			
d) Elevations of principal spillway spillway, top of structure, drawdown, outlet, emergency flowline and pertinent upstream structures.			
Storage Table			
a) Beneficial use permit (Dept. of Water Resources)			
b) 2 ft. increments			
Spillways:			
a) Emergency spillway rating and design (NE-ENG-41a)			
b) Principal spillway -Beta route (NE-ENG-41)			
c) Cross-section at principal spillway (NE-ENG-42)			
Estimates:			
a) Earthfill yardage including core trench and emergency spillway (NE-ENG-15/SCS-ENG-523A)			
b) Cost estimate (SCS-ENG-523A)			
Specifications:			
a) Specification check sheet (NE-ENG-47)			
b) Appropriate specifications			
c) Appropriate drawings			
d) Emergency spillway description (NE-ENS-38 or 39)			
Inspection Reports (NE-ENG-49 & 49a - use bound diary on larger structures)			
As Built Plans:			
a) Embankment yardage (NE-ENG-41 or NE-ENG-15)			
b) Cutoff trench and dike computations			
c) Profile including principal spillway (NE-ENG-42)			
d) Plot cutoff trench excavation			
e) Drain fill yardage			
f) Plot channel excavation if applicable			
Dam Inventory			
a) Submit on dams of inventory size.			