

# Instructions

## ***Precipitation, Evaporation and Runoff for NE-ENG-81 Animal Waste Systems***

### Instructions for use of NE-ENG-81

These worksheets can be used in sizing animal waste facilities. If an animal waste facility has no drainage area contribution, columns 4 and 5 will be used in the design to show depth adjustments needed because of the weather.

If the facility contains an open lot, the circled items in Example 2 will be used in the design of the facility.

This Worksheet is to be used as a tool to estimate runoff when designing livestock waste control facilities. Input is limited to selected cells and the user will only be able to select these cells.

The following is a list of cells where Input is allowed and a description of how data should be input.

<b>Landowner</b>	Self Explanatory
<b>Practice</b>	Self Explanatory
<b>NRD</b>	Self Explanatory
<b>By &amp; Date</b>	Self Explanatory
<b>Field Office</b>	Self Explanatory

<b>County</b>	By placing the cursor in the county, a drop down box will appear allowing the county to be selected from the list
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### Design Storage Period

The from and thru storage months should be entered as the first day of the months to be stored. For example, if the desired storage period is from May thru October, the 1st month should be entered as 4/1 and the 2nd month should be entered as 9/1. Do not enter the year when entering the storage months.

### Optional Entry Cells.

#### These two cells are:

100 year rainfall - This may be used in certain situations as required by NDEQ/EPA.

Contributing Drainage area CN - This can be used if you have some non-lot area contributing runoff to a Waste Storage Facility. When you enter the standard 1 day CN, a 30 day CN will be calculated and used

To begin entering data, select the tab at the bottom labeled "NE-ENG-81".

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