



30% Project Review

Submit by January 30, 2026

See 2026 Team Manual for Instructions

You may change the size of the boxes or add boxes, unless noted.

Please do not change the titles or page format. Use 10-pt. or larger font size.

Items in italics within each box should be removed and/or replaced with relevant information prior to submission.

TEAM NAME:

UNIVERSITY:

TEAM LEADER NAME & EMAIL:

TASK NUMBER:

PROJECT WORKING TITLE:

PROJECT SUMMARY – *List no more than five key Task Requirements (as a bulleted list) and explain how each element of the design meets each requirement.*

LENGTH LIMITS: - *One line of text per entry – Complete sentences not required. Keep it brief and easy to scan.*

- *All information should fit within this box on page 1. Please do not enlarge the size of this box.*

Example:

- *List the first task requirement here*
 - *Describe how design maps to the requirement (keep to one line in length)*
 - *Add more items if needed for this task requirement (It is ok to have a single bullet under a requirement)*

- *List another task requirement here*
 - *List how design maps to the requirement*
 - *Add more items if needed for this task requirement*

- *Etc.*

COMPLETE PROCESS FLOW AND/OR SYSTEMS DIAGRAMS – *Include all diagrams that outline the system flow such as a PFD; system schematics; diagrams that outline instrumentation, control systems, power flow, and/or circuits; computer architectures, etc. Insert more pages if needed to ensure easy-to-read diagrams.*

PRELIMINARY DATA AND/OR CALCULATIONS THAT SUPPORT THE PROPOSED DESIGN. *This might include expected chemical reactions (reactants, reaction times, etc.), flow volumes and rates, and other relevant details. If you are lacking any data, be transparent and outline how you expect to collect the data.*

A ROUGH ESTIMATE OF SCALE-UP PROJECT COSTS. *This will provide your client with an opportunity to assess the feasibility of your design. (Based on your design and estimated costs, perhaps they would want to suggest modifications for inclusion in the final design.) If you are lacking any data, be transparent and outline how you expect to collect the data.*

PLANNED BENCH-SCALE DEMONSTRATION ANALYTICAL TESTING PROCESSES – *Since not all projects have the same requirements, complete items below that apply to your project, and delete those that do not apply.*

Include all testing protocols that are listed in your task problem statement, as well as additional testing protocols you plan to incorporate.

1. *Sample creation, processing, and collection*
2. *Sample analytical testing*
3. *Data Collection*
4. *Data Recording*
5. *Data Transmission*
6. *Data Reporting*
7. *Other items as needed*

3-D DRAWING(S) OF THE PRIMARY BENCH-SCALE DEMONSTRATION EQUIPMENT YOU PLAN TO BRING TO THE CONTEST FOR YOUR BENCH-SCALE DEMONSTRATION – *This is not required for all Tasks. If your Task Problem Statement requires this, follow the instructions given in the task Problem Statement and those given below. Use more space if needed.*

As you plan the bench-scale demonstration, note that the entire system must fit within the prescribed booth space (10' x 10') and an 8' banquet table, and that you will only have access to 120V power (no fume hoods, ovens, etc.).

1. *In lieu of a 3-D drawing, you may submit three views: top, front, and side.*
2. *Plans must be drawn to scale with dimensions labeled (only outer dimensions are necessary, but submit what is easiest for you).*
3. *Keep it simple - only include the primary processing/evaluating equipment.*
4. *Drawings that WERC cannot easily interpret will be returned to the team for revisions.*
5. *You are allowed to change plans after submitting the 30% Review. Changes? Contact werc@nmsu.edu*
6. *Add more pages, as needed, to include readable images and labels.*