

GCP Oil and Gas Stack Calculator Instructions

The GCP Oil and Gas Stack Calculator is designed to determine if a set of equipment will qualify for the GCP Oil and Gas permit. The tool is optional and requires MS Access to run it.

Instructions:

1. Download the file.
2. Extract the file to a location on your computer. (It may not work if it is run without unzipping it first).
3. Enable content.
4. Do not fill in the top of the page. That will be done automatically later.
5. Delete or write over example equipment that is not used. Records may be deleted by clicking the open boxes to the left of the equipment and hitting the delete key on the keyboard.
6. Give each piece of equipment an ID number or letters.
7. Equipment name is optional for the operation of the program but may be useful.
8. Select the appropriate type of equipment from the dropdown menu for each piece of equipment.
9. Enter the SO₂ emission rate for flares and ECDs. Enter NO_x emission rates for all equipment but flares.
10. Enter stack height for flares. Enter the actual height, temperature, diameter, and velocity for other equipment.
11. Press the calculate button.

The minimum stack parameters, groups, and total emissions will be calculated. If a source does not qualify, a comment such as, "Height is too short. Velocity is too small." should appear. Comments such as, "Temperature OK due to extra stack height." indicate that unit qualifies for the GCP.