

# BLM – Transporting Nuclear Materials

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class: \_\_\_\_\_

## Design Portfolio Assessment

|   | Comments |
|---|----------|
| <b>Design Brief</b>   |          |
| 4 – Brief is well-developed and contains all necessary information<br>3 – Brief is satisfactory and specifications mostly complete<br>2 – Brief is simple and specifications partially complete<br>1 – Brief is poorly developed and incomplete                               |          |
| <b>Research</b>   |          |
| 4 – Research is well-organized and well-documented<br>3 – Satisfactory research presented<br>2 – Research presented but lacks depth<br>1 – Minimal research presented   |          |
| <b>Generation of Ideas</b>  |          |
| 4 – Four or more ideas generated that meet design specifications<br>3 – Three distinct ideas generated<br>2 – Two ideas generated, but only one seriously considered<br>1 – Only one idea generated   |          |
| <b>Choice of Solution</b>   |          |
| 4 – Solution and rationale reflect careful consideration of all criteria<br>3 – Solution reflects most criteria and includes a rationale<br>2 – Solution reflects some but not all criteria, no rationale given<br>1 – Solution does not reflect criteria, no rationale given |          |
| <b>Development of the Idea</b>  |          |
| 4 – Development work includes accurate and refined working drawings<br>3 – Development work includes working drawings with some details<br>2 – Development work includes simple working drawings<br>1 – Little evidence of development work                                   |          |
| <b>Planning</b>   |          |
| 4 – Well-developed planning is included for all stages of construction<br>3 – Most stages of the planning process identified in a logical manner<br>2 – Some stages of the planning process identified<br>1 – Minimal planning  |          |

| <b>Construction</b>   |  |
|---|--|
| 4 – Construction follows the plan, and the plan is improved as necessary<br>3 – Construction follows the plan and changes made as necessary<br>2 – Construction somewhat follows the plan<br>1 – Construction does not follow the plan  |  |
| <b>Performance Testing</b>  |  |
| 4 – All five performance tests completed, detailed observations recorded<br>3 – Three to four performance tests completed, observations recorded<br>2 – One to two performance tests completed, observations recorded<br>1 – No performance tests completed   |  |
| <b>Evaluation</b>   |  |
| 4 – Evaluation includes self-criticism and valid judgments and results in significant improvements<br>3 – Evaluation includes valid recommendations and results in some improvements<br>2 – Evaluation leads to some improvements<br>1 – Minimal evaluation is evident, does not lead to improvements |  |