Car Dumpers

**Duration:** 60 mins  |  **Level:** Intermediate  |  **Pass mark:** 80%

**Course Description:**

Coal handlers operate and maintain the equipment used to transport and unload coal cars. This equipment may include rotary car dumpers, positioners, and retarders. To help coal handlers develop the skills needed to work safely with this equipment, this course describes how rotary car dumpers, positioners, and retarders work. It also explains how this equipment is generally operated during receiving operations, and how it is maintained.

**Learning Objectives:**

- Name the three basic steps involved in receiving operations
- Describe the general function of the following equipment: positioners, rotary car dumpers, scales, dust control equipment, and retarders
- List some of the jobs that coal handlers generally perform during receiving operations
- Identify the basic parts of a rotary car dumper
- Describe the function of the following dumper components: platform, cradle, clamping system, spill truss, drive system, limit switches, and mechanical stops
- Name the basic controls used to operate a rotary car dumper and explain the function of each control
- Describe how to inspect a rotary car dumper
- Describe some of the preventive maintenance jobs a coal handler should perform on a rotary car dumper
- Describe some of the safety procedures that coal handlers should follow during receiving operations
- Describe general receiving operations at a plant that requires cars to be separated before they are unloaded
- Describe general receiving operations at a plant where cars remain coupled during unloading
- Describe the major components of a positioning system and explain how a positioner works
- Describe the major components of a retarder and explain how a retarder works
- Describe some of the inspections generally performed on positioners and retarders
- Describe general receiving operations at a plant that uses a positioner and retarder