

C-745-C Cylinder Storage Yard

The C-745-C cylinder storage yard is located in the northwest quadrant of the plant within the DOE Material Storage Area (DMSA) 1. Access to the yard is currently controlled by administrative procedures and guidelines. The C-745-C cylinder storage yard is approximately 440,000 square feet in area and currently stores approximately 2,500 14-ton DOE cylinders. The cylinders are predominantly stored on concrete piers with wooden saddles (see Fig. 2). Several of the concrete piers have been excavated and removed from the yard. Typically the cylinders that are now stored on these concrete piers are single stacked so as to mitigate the rate of subsidence of the concrete piers. Cylinder rows in this yard generally run west to east with cylinder positions running north to south. The C-745-C cylinder storage yard has concrete trench drains that gravity drains the storm water from the yard. The trench drains empty into a ditch on the north perimeter of the yard which ultimately discharges into DOE's KPDES Outfall 001. The electrical utilities for the C-745-C cylinder storage yard consist of electrical power for a security lighting circuit. Electrical power for the security lighting is distributed via overhead and underground distribution feeds. The lighting circuit consists of six 60-foot poles with two lights per pole fed via underground secondary series distribution.



Figure 2. Saddle with cylinders resting on piers.