

C-745-L Cylinder Storage Yard

The C-745-L cylinder storage yard is located within the southeast quadrant of the plant immediately south of the C-745-G cylinder storage yard (see Fig. 8). The cylinder storage yard borders Arizona Avenue to the north, a concrete service drive to the east, 14th Street to the west and USEC cylinder storage yard C-745-U to the south. The C-745-L cylinder storage yard is separated into two sections (north and south) by Alabama Avenue. The northern section of the yard can be accessed from the north, south, east and west sides. Access to the southern section of the yard is available primarily from the north and west sides of the yard. The northern section



Figure 8. View of C-745-L cylinder yard from the Northeast corner looking Southwest.

consists of a newly constructed (11/99) concrete cylinder storage area of approximately 196,000 square feet and 14 inches thick. The southern section of the yard consists of a gravel cylinder storage area of approximately 108,000 square feet. Both sections are cleared of cylinders. When populated cylinder rows will run north to south with cylinder positions running west to east.

The northern section of the yard has an 18-inch water main that runs from north to south through the center of the yard. The concrete surface of the yard is sloped to gravity drain all water into four catch basins that empty into the 18-inch main. The 18-inch main connects to a 24-inch main at the Alabama Avenue. The 24-inch main runs west parallel to Alabama Avenue across the southern sections of C-745-L and C-745-K cylinder storage yards. At the intersection of 13th Street and Alabama it ties into a 42-inch main line that runs to Patrol Road 5 then discharges into KPDES Outfall 017.

The southern section of the yard has a subsurface storm water drainage system. The collection piping system drains water into a drain line that runs through the center of the yard. This 12-inch line begins at the southern end of the yard and flows north, increasing to 15-inches midway, and is connected to the 24-inch main line along Alabama Avenue. The water is ultimately discharged to KPDES Outfall 017.

The electrical systems in the C-745-K, L and M cylinder storage yards are currently under transition due to recent construction for upgrading the C-745-L (North) cylinder storage yard to a concrete surface. The security lighting for the construction of K, L and M cylinder storage yards is distributed from a lighting power panel located in the northeast corner of the southern section of C-745-K cylinder storage yard. The circuit for the new power panel is supplied from a 112.kVA pad-mount transformer located adjacent to the new power panel. The 13.8 kV feeder in that area supplies the new transformer. Security lighting for C-745-L (North) is complete and three lights in C-745-M and C-745-K (South) along Alabama Avenue are installed.