

circumferential head weld at approximately the 9:00 o'clock position on the valve end. The diameter of the breach appears to be the size of a "pencil point" (approximately 0.9 mm). The breach and surrounding area showed no signs of impact or corrosion damage. A temporary patch was placed on the breach.

The cylinder was placed in the refurbishment building and received a post relocation visual inspection in accordance to procedure P-2400, "Handling and Inspection of DOE 48-Inch Diameter UF6 Cylinders." No breach was detected during this inspection.

RESOLUTION/RECOMMENDED ACTIONS: Apply a permanent patch to the cylinder to permanently fix the breach. The permanent weld repair of cylinder 6780 was planned and conducted utilizing exemplary attention to the safe conduct of the repair work. The work resulted in a successful permanent fix with no incidence of personnel or environmental safety problems.

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NAME OF REVIEWING OFFICIAL: J. F. Preston

PRIORITY DESCRIPTOR: Green/Good Work Practice

KEYWORDS: cylinder, breach, UF6

REFERENCES: ORO--BJC-K25GENLAN-1998-0010

DOE FUNCTIONAL CATEGORIES: Occupational Safety and Health

BJC FUNCTIONAL CATEGORIES: SH - Safety, PC - Planning and Controls

HAZARDS: Personnel Protection, Other

WORK ACTIVITY: Radiological, Work Control, Other

FOLLOW-UP ACTION: Information in this report is accurate to the best of our knowledge. As means of measuring the effectiveness of this report please notify Joanne E. Schutt at (423)574-1248, e-mail at s6u@ornl.gov of any action taken as a result of this report or of any technical inaccuracies you find. Your feedback is important and appreciated.