

Valley Leach Facility 2

Phase 3 Stage A.1 Record of Construction

Photograph Log

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Photo 1 – Cut sloping the PSSA subgrade (May 20, 2022)



Photo 2 – Drilling the Honda UG Working (June 6, 2022)



Photo 3 – Cutting material from the ridge south of the PSSA (June 8, 2022)



Photo 4 – Structural Fill placement and compaction (June 9, 2022)



Photo 5 – Excavation of the Sakhir UG working (June 13, 2022)



Photo 6 –Excavation of the Honda UG working (June 20, 2022)



Photo 7 – SLF hauling and placement on the PSSA slopes (June 21, 2022)



Photo 8 – Geogrid placement over the Honda (June 30, 2022)



Photo 9 – SLF compaction using a tethering system (July 21, 2022)



Photo 10 – Drilling the Sakhir UG Working (July 22, 2022)



Photo 11 – Secondary geomembrane deployment (July 25, 2022)



Photo 12 – PSSA anchor trench excavation (July 26, 2022)



Photo 13 – Nuclear densometer testing of SLF (August 1, 2022)



Photo 14 – Double fusion weld seaming of secondary geomembrane (August 3, 2022)



Photo 15 – Covering the geogrid over the Sakhir (August 10, 2022)



Photo 16 – Extrusion welding of repairs on secondary geomembrane (August 24, 2022)



Photo 17 – LVSCF placement (August 30, 2022)



Photo 18 – Excavation of the leak detection trench (August 24, 2022)



Photo 19 – Leak detection trench backfill (August 31, 2022)



Photo 20 – SLF placement over the leak detection trench (September 1, 2022)



Photo 21 – Fusion welding of HDPE LVSC riser pipes (September 15, 2022)



Photo 22 – LVSCF depth check (September 19, 2022)



Photo 23 – Primary geomembrane deployment (September 20, 2022)



Photo 24 – Finished LVSC riser pipes (September 22, 2022)



Photo 25 – Welding of pipe boots around the LVSC risers (October 1, 2022)



Photo 26 – Primary geomembrane vacuum box testing (October 3, 2022)



Photo 27 – PSSA anchor trench backfilling (October 3, 2022)



Photo 28 – Primary geomembrane double fusion weld seaming (October 11, 2022)



Photo 29 – Primary Geomembrane extrusion welding of repairs (October 12, 2022)



Photo 30 – Exposing the geomembrane at the Phase 2 tie-in (October 13, 2022)



Photo 31 – Air pressure testing of primary geomembrane (October 17, 2022)



Photo 32 – 80-mil geomembrane deployment (October 18, 2022)



Photo 33 – Compaction of anchor trench backfill (October 24, 2022)



Photo 34 – DCF placement in the PSSA (November 7, 2022)



Photo 35 – Installation of HVSC risers (November 21, 2022)



Photo 36 – High Volume Solution Collection manifold installation (November 23, 2022)



Photo 37 – Placement of select DCF around risers (December 6, 2022)